



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4182
(909) 396-2000 • www.aqmd.gov

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. Kirkhill, Inc. (Kirkhill) has been required to conduct a Health Risk Assessment (HRA) to evaluate how emissions are released and dispersed from Kirkhill, and the potential impact those releases may have to public health.

Business Name	Address	Type of Business
Kirkhill, Inc.	300 E Cypress Street Brea, CA 92821	Rubber Manufacturing

As the air pollution control agency for this area, South Coast Air Quality Management District (South Coast AQMD) will hold a public meeting in your community to answer questions about the results of Kirkhill’s 2015 Approved HRA. Officials from Kirkhill will also attend the meeting to answer questions about their operations and future plans to reduce emissions impacting your neighborhood.

The public meeting will be held at:

Date & Time	Location
Wednesday, November 13, 2019, 6:00 PM	Brea Junior High School Auditorium 400 N Brea Blvd Brea, CA 92821

Summary of Health Risk Assessment

The 2015 HRA showed that pollutants (primarily hexavalent chromium, 1,3-butadiene, acrylonitrile, benzidine) from **Kirkhill** may cause an increased health risk for people who live and work in the area (see Facility Risk Map).

The attached information sheet provides additional background on the business, air pollutants and health risks.

2015 Approved HRA	
Maximum probability of cancer for those <i>living</i> closest to the facility (30 year exposure)	18.8 in-one-million
Maximum probability of cancer for those <i>working</i> closest to the facility (25 year exposure)	15.9 in-one-million

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 Phu Nguyen at (714) 529-4901 or pnguyen@kirkhill.com.

Businesses should post this notice where it is most likely to be read by employees.

Documents to be distributed at this meeting/event will be made available upon request in appropriate alternative formats to assist persons with a disability. Disability-related accommodations will also be made available to allow participation in the meeting/event. Any accommodations 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 organization. Please telephone the Public Advisors’ Office at (909) 396-2432 from 7:00 a.m. to 5:30 p.m. Tuesday through Friday.

Cleaning the air we breathe...

Facility Risk Map
Kirkhill, Inc.
(South Coast AQMD ID No. 187823)
Brea, California



Public Notification Required if:

- Maximum probability of cancer for those **living** closest to the facility is greater than 10 in-one-million
- Maximum probability of cancer for those **working** closest to the facility is greater than 10 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

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 hexavalent chromium, 1,3-butadiene, acrylonitrile, and benzidine 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 rubber manufacturing processes from devices such as extruders and presses.

Pollutants	Possible Health Effects
Hexavalent Chromium 1,3-Butadiene Acrylonitrile Benzidine	Cancer

How was the health risk from this facility determined?

The 2015 Approved HRA used estimated amounts of pollutants released from operations at Kirkhill. 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 2015 Approved HRA for Kirkhill 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 2015 Approved HRA, based on known information at the time, found that people who live in the area shown on the Facility Risk Map, if continually exposed for 30 years, would have a maximum chance of 18.8 in-one-million of developing cancer due to hexavalent chromium, 1,3-butadiene, acrylonitrile, and benzidine emissions from this facility. Those who work in the area would have a maximum chance of 15.9 in-one-million. Most of the risk is due to emissions from Kirkhill's extruders and presses.

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 in-one-million¹.

¹ 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>

How can I get more information?

A copy of South Coast AQMD's approved health risk assessment for Kirkhill are available online at: <http://www.aqmd.gov/docs/default-source/planning/risk-assessment/hra-report-sept2019.pdf>, or at the following libraries:

OC Public Libraries, Brea Branch
1 Civic Center Circle
Brea, CA 92821
(714) 671-1722
Mon - Thu: 10 AM - 7 PM
Fri - Sat: 9 AM - 5 PM
Sun: Closed

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