



South Coast Air Quality Management District

NOTICE OF VIRTUAL 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. MM West Covina LLC (MM West Covina) has been required to conduct a Health Risk Assessment (HRA) to evaluate how emissions are released and dispersed from MM West Covina, and the potential impact those releases may have to public health.

Business Name	Location Address	Type of Business
MM West Covina LLC	2210 S. Azusa Ave. West Covina, CA 91792	Electricity Generation (Landfill gas)

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 MM West Covina’s 2014 Approved HRA. Officials from MM West Covina will also attend the meeting to answer questions about their operations and future plans to reduce emissions impacting your neighborhood. Due to the nature of recent events surrounding Covid-19, to ensure protection of public health by practicing social distancing, 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 (Meeting is Being Recorded)
Tuesday, May 19, 2020, 6:00 PM	<p>Join Zoom Meeting- from PC, Laptop, or Phone https://scaqmd.zoom.us/j/97364562763 Meeting ID: 973 6456 2763 (applies to all) Teleconference Dial In +1 669 900 6833 One tap mobile +16699006833, 97364562763</p> <p>Phone Controls for participants:</p> <ul style="list-style-type: none"> *9 – Raise hand (for public comment period only)

Note: To view the Spanish version of the presentation, please download from the South Coast AQMD website:
<http://www.aqmd.gov/docs/default-source/planning/risk-assessment/mm-west-covina-presentation-spanish.pdf>

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.





Summary of Health Risk Assessment

The approved HRA, which used 2014 data, showed that pollutants (primarily dioxins, furans, hexavalent chromium, and arsenic) from MM West Covina 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 facility subsequently conducted emissions testing in 2018 and used that data, which was approved by South Coast AQMD for AB 2588 purposes, to conduct an Alternate HRA. The results of that alternate assessment show that the health risks associated with emissions from MM West Covina may be lower than the 2014 Approved HRA originally indicated. This can be seen in the attached Facility Risk Map (Figure 2).

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 both the 2014 Approved HRA and the Alternate HRA.

	2014 Approved HRA	Alternate HRA
Maximum probability of cancer for those living closest to the facility (30 year exposure)	67.2 in-one-million	13.3 in-one-million
Maximum additional cases of cancer (70 year exposure)	6.11	0.31
Maximum short-term non-cancer health effects (1 hour exposure)	1.7 times higher than state health based guidelines	1.7 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 Suparna Chakladar at (951) 833-4153 or schakladar@fortistar.com.

Summary of Health Risk Assessment

Disability and language-related accommodations can be requested to allow participation in the MM West Covina 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.





2014 Approved HRA Facility Risk Map (Figure 1)

MM West Covina
(South Coast AQMD ID No. 113873)
West Covina, California



MM West Covina

Public Notification Area Map

Cancer Risk 10 in-a-million (Yellow Contour)
MM West Covina (Red Outline)

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

Alternate HRA Facility Risk Map (Figure 2)

MM West Covina
(South Coast AQMD ID No. 113873)
West Covina, California



MM West Covina

Risk Contours from Alternate Assessment

Cancer Risk 10 in-a-million (Orange Contour)
MM West Covina (Red Outline)





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 dioxins and furans, hexavalent chromium, arsenic, and Nickel 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 the combustion of landfill gas:

Pollutants	Possible Health Effects
Dioxins and Furans	Cancer, Non-cancer Chronic and Acute
Hexavalent Chromium	Cancer, Non-cancer Chronic
Arsenic	Cancer, Non-cancer Chronic and Acute
Nickel	Cancer, Non-cancer Chronic and Acute

How was the health risk from this facility determined?

Both the 2014 Approved HRA and the Alternate HRA used estimated amounts of pollutants released from operations at MM West Covina. 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 2014 Approved HRA for MM West Covina 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 2014 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 chance of 67.2 in-a-million of developing cancer mainly due to dioxins and furans, hexavalent chromium, and arsenic emissions from this facility. Those who work in the area would have a maximum chance of 8.7 in-a-million. All of the risk is due to emissions from burning landfill gas for electricity generation.

Why do the 2014 Approved HRA and the Alternate HRA have different results?

In the absence of facility specific data for 2014, the facility chose to use default emission factors to derive its emissions, which was the best available data at the time. South Coast AQMD staff reviewed and approved the 2014 HRA based on this information. The 2014 Approved HRA shows a residential cancer risk of a maximum chance of 67.2 in-a-million of developing cancer.

In September of 2018, the facility conducted source testing from the source of dioxins and furans to obtain more accurate emission factors. The source test was approved by South Coast AQMD for AB 2588 purposes and the data from the source test was used to prepare the Alternate HRA. The 2019 Alternate HRA shows a residential cancer risk of a maximum chance of 13.2 in-a-million of developing cancer.

It is possible that the toxic air pollutants present in the landfill gas are not the same in September of 2018 as it was in 2014, since the composition of landfill gas is known to change over time. Therefore, the actual risks in 2014 may be different than what is estimated using the 2018 testing data and presented in the Alternate HRA.

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 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, MM West Covina 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 in-one-million .

How can I get more information?

A copy of South Coast AQMD's approved health risk assessment for MM West Covina are available online at: [http://www.aqmd.gov/docs/default-source/planning/risk-assessment/hra-\(main-and-alt\)-mm-west-covina-llc_2020-01-29.pdf](http://www.aqmd.gov/docs/default-source/planning/risk-assessment/hra-(main-and-alt)-mm-west-covina-llc_2020-01-29.pdf), or at the following libraries once the Covid-19 Safer at Home order has been lifted:

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>

La Puente Library

15920 Central Avenue
La Puente, CA 91744
(626) 968-4613
Tue- Wed: 11 AM – 8 PM
Thurs – Sat: 9 AM – 5 PM

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

