



# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • [www.aqmd.gov](http://www.aqmd.gov)

*Via Email and Certified Mail, return receipt requested*

May 22, 2020

Joy Brooks  
Southern California Edison  
PO Box 5085, Attn: Air Quality  
Rosemead, CA 91770-0908

Subject: Approval of AB 2588 Health Risk Assessment (HRA) for  
**So Cal Edison Co** (South Coast AQMD Facility ID No. **4477**)

Dear Ms. Brooks:

This letter provides approval of the Health Risk Assessment (HRA) submitted by So Cal Edison Co (SCE Pebbly Beach) pursuant to the Air Toxics “Hot Spots” Act (AB 2588) and South Coast Air Quality Management District’s (South Coast AQMD) Rule 1402. As noted in the HRA Summary Form (Attachment A), the risks posed by SCE Pebbly Beach are above the Notification Risk Level specified in Rule 1402.

## **Background**

South Coast AQMD staff notified SCE Pebbly Beach on June 13, 2018 to prepare an Air Toxics Inventory Report (ATIR) based on the 2015 inventory year. Staff received the ATIR on November 13, 2018 and approved it on January 23, 2019. Staff also notified you on January 23, 2019 to submit an HRA based on the approved ATIR. The HRA prepared for this request was initially submitted on April 23, 2019. Staff received subsequent revisions, with the most recent revision submitted on November 12, 2019. This approval is for the November 12, 2019 HRA.

## **Next Step: Public Notification**

As summarized in Attachment A, the cancer risk at the Maximum Exposed Individual Resident (MEIR) receptor is estimated to be 11.8 in-a-million. The cancer risk is due to diesel particulate matter. The risks from residential cancer exceed the Notification Risk Level specified in Rule 1402.

As stated in South Coast AQMD’s Public Notification Procedures<sup>1</sup>, public notification typically consists of three components: distribution of the approved HRA, distribution of public notification materials, and a public meeting. SCE Pebbly Beach shall distribute facility’s approved HRA and public notification materials pursuant to South Coast AQMD Public Notification Procedures within **30** days of the approval date on this letter, or **June 21, 2020**. A map showing the areas with health risk levels exceeding the Notification Risk Level is also attached to this letter

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<sup>1</sup> [http://www.aqmd.gov/docs/default-source/planning/risk-assessment/pn\\_procedures.pdf](http://www.aqmd.gov/docs/default-source/planning/risk-assessment/pn_procedures.pdf)

(Attachment B). The public notification materials shall be approved by South Coast AQMD and sent to all addresses within the notification area contour (cancer risk of 10 in a million or greater and non-cancer chronic hazard of 1.0 or greater) found in Attachment B. The public meeting shall take place within **30** days of the distribution of public notification materials.

It is South Coast AQMD's practice to post the approved HRA on its website and in a public library. South Coast AQMD staff did not find any information marked confidential in the submitted HRA. If there is any business confidential information contained within the submitted HRA, please let us know and provide us with a redacted version of the HRA within two weeks, or no later than May 29, 2020.

In addition, given the short timeframe for conducting public notification, please schedule a meeting with us within one week to discuss the next steps for public notification. If you have any questions regarding this letter, please contact either Edward Lee, Air Quality Engineer II, at (909) 396-3323, or Victoria Moaveni, Program Supervisor, at (909) 396-2455.

Sincerely,



Tracy A. Goss, P.E.  
Planning & Rules Manager  
Planning, Rule Development & Area Sources

Attachment:

- A. HRA Summary Form
- B. Public Notification Area Map

TG:VM:TT:EL

**ATTACHMENT A**



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**HEALTH RISK ASSESSMENT SUMMARY FORM**

(Required in Executive Summary of HRA)

Facility Name : Southern California Edison, Pebbly Beach Generating Station  
 Facility Address: 1 Pebbly Beach Road  
Avalon, CA 90704  
 Type of Business: Electric Power Generation  
 SCAQMD ID No.: 4477

**A. Cancer Risk** *(One in a million means one chance in a million of getting cancer from being constantly exposed to a certain level of a chemical over a period of time)*

1. Inventory Reporting Year : 2015
2. Maximum Cancer Risk to Receptors : *(Offsite and residence = 30-year exposure, worker = 25-year exposure)*

a. Offsite	<u>N/A</u>	in a million	Location:	<u>N/A</u>
b. Residence	<u>11.8</u>	in a million	Location:	<u>377910 E, 3689157 N (UTM Zone 11, NAD83, meters)</u>
c. Worker	<u>5.7</u>	in a million	Location:	<u>378042 E, 3689107 N</u>
3. Substances Accounting for 90% of Cancer Risk: Diesel Particulate Matter  
 Processes Accounting for 90% of Cancer Risk: Electric Power Generation
4. Cancer Burden for a 70-yr exposure: *(Cancer Burden = [cancer risk] x [# of people exposed to specific cancer risk])*

a. Cancer Burden	<u>0.05</u>
b. Number of people exposed to >1 per million cancer risk for a 70-yr exposure	<u>3,728</u>
c. Maximum distance to edge of 70-year, 1 x 10 <sup>-6</sup> cancer risk isopleth (meters)	<u>N/A (see HRA report Section 4.3.6)</u>

**B. Hazard Indices** *[Long Term Effects (chronic) and Short Term Effects (acute)]  
 (non-carcinogenic impacts are estimated by comparing calculated concentration to identified Reference Exposure Levels, and expressing this comparison in terms of a "Hazard Index")*

1. Maximum Chronic Hazard Indices:
 

a. Residence HI: <u>3.2E-03</u>	Location: <u>377910 E, 3689157 N</u>	toxicological endpoint: <u>Respiratory</u>
b. Worker HI : <u>1.9E-02</u>	Location: <u>378042 E, 3689107 N</u>	toxicological endpoint: <u>Respiratory</u>
2. Substances Accounting for 90% of Chronic Hazard Index: Diesel Particulate Matter
3. Maximum 8-hour Chronic Hazard Index:
 

8-Hour Chronic HI: <u>3.7E-05</u>	Location: <u>378113 E, 3688903 N</u>	toxicological endpoint: <u>Hematological</u>
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4. Substances Accounting for 90% of 8-hour Chronic Hazard Index: Benzene
5. Maximum Acute Hazard Index:
 

PMI: <u>4.4E-01</u>	Location: <u>378045 E, 3688972 N</u>	toxicological endpoint: <u>Immune</u>
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6. Substances Accounting for 90% of Acute Hazard Index: Benzene

**C. Public Notification and Risk Reduction**

1. Public Notification Required?  Yes  No  
 a. If "Yes", estimated population exposed to risks > 10 in a million for a 30-year exposure, or an HI >1  
Approximately 35
2. Risk Reduction Required?  Yes  No

**ATTACHMENT B**  
**Public Notification Map**  
**(Cancer Risk 10 in-a-million)**

