



# South Coast Air Quality Management District

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

*Via Email and Certified Mail, return receipt requested*

June 1, 2023

John Richardson  
Eco Services Operation Corp.  
20720 S. Wilmington Ave.  
Long Beach, CA 90810

Subject: Approval of AB 2588 Health Risk Assessment (HRA) for **Eco Services Operation Corp.** (South Coast AQMD Facility ID No. **180908**)

Dear Mr. Richardson:

This letter provides notification of the approval of the Health Risk Assessment (HRA) submitted by Eco Services Operation Corp. 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 risk posed by Eco Services Operation Corp. is above the Notification Risk Level specified in Rule 1402.

## **Background**

South Coast AQMD staff notified Eco Services Operation Corp. on December 10, 2019, to prepare an Air Toxics Inventory Report (ATIR) based on the 2017 inventory year. Staff received the ATIR on May 5, 2020 and approved it on November 3, 2021. Staff then notified you on November 3, 2021, to submit an HRA based on the approved 2017 ATIR. The HRA prepared for this request was initially submitted on January 26, 2022. Staff requested subsequent revisions, with the most recent revision submitted on December 13, 2022. This approval is for the revised HRA submitted on December 13, 2022.

## **Next Step: Public Notification**

As summarized in Attachment A, the non-cancer acute hazard index at the facility fenceline is estimated to be 1.64 which exceeds the public notification hazard index threshold of 1.0 specified in Rule 1402. The acute hazard index risk is due to hydrogen sulfide emissions. The zone of impact extends up to about 200 feet from the facility boundary. A map showing the areas with health risk levels exceeding public notification thresholds is also attached to this letter (Attachment B). Therefore, Eco Services Operation Corp. must notify the affected parties within 30 days of approval of the HRA. Based on the information you provided to us, the Public Notice is required to be sent to the impacted party, Nexeo Solutions LLC. Staff will provide the public notice which must be used for distribution.

South Coast AQMD will post the approved HRA on our website, in electronic format, within two weeks, or no later than **June 15, 2023**.

If you have any questions regarding this letter, please contact either Pierre Sycip, Air Quality Specialist, at (909) 396-3095, or Victoria Moaveni, Program Supervisor, at (909) 396-2455.

Sincerely,

A handwritten signature in black ink, appearing to read "Eugene Kang". The signature is fluid and cursive, with the first name "Eugene" and last name "Kang" clearly distinguishable.

Eugene Kang  
Planning & Rules Manager  
Planning, Rule Development & Implementation

Attachment:

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

EK:VM:TT:PS

**ATTACHMENT A**



**South Coast Air Quality Management District**

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**HEALTH RISK ASSESSMENT SUMMARY FORM**

(Required in Executive Summary of HRA)

Facility Name : Eco Services Operations Corp  
 Facility Address: 20720 S, Wilmington Ave.  
Long Beach , CA 90810  
 Type of Business: Sulfuric Acid Manufacturing  
 SCAQMD ID No.: 180908

**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)*

- Inventory Reporting Year : 2017
- Maximum Cancer Risk to Receptors : *(Offsite and residence = 30-year exposure, worker = 25-year exposure)*

a. Offsite	<u>0.34</u>	in a million	Location:	<u>386083 E 3745335 N</u>
b. Residence	<u>0.06</u>	in a million	Location:	<u>385800 E 3745950 N</u>
c. Worker	<u>0.03</u>	in a million	Location:	<u>386083 E 3745335 N</u>
- Substances Accounting for 90% of Cancer Risk: PAH, Perchloroethylene  
 Processes Accounting for 90% of Cancer Risk: Soil Vapor Extraction System, Acid Plant NG Burners
- Cancer Burden for a 70-yr exposure: *(Cancer Burden = [cancer risk] x [# of people exposed to specific cancer risk])*

a. Cancer Burden	<u>NA</u>
b. Number of people exposed to >1 per million cancer risk for a 70-yr exposure	<u>NA</u>
c. Maximum distance to edge of 70-year, 1 x 10 <sup>-6</sup> cancer risk isopleth (meters)	<u>NA</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")*

- Maximum Chronic Hazard Indices:
 

a. Residence HI:	<u>0.07</u>	Location:	<u>385800 E 3745950 N</u>	toxicological endpoint:	<u>Respiratory</u>
b. Worker HI :	<u>0.15</u>	Location:	<u>385900 E 3745700 N</u>	toxicological endpoint:	<u>Respiratory</u>
- Substances Accounting for 90% of Chronic Hazard Index: Sulfuric Acid
- Maximum 8-hour Chronic Hazard Index:
 

8-Hour Chronic HI:	<u>3.8E-5</u>	Location:	<u>386089 E 3745344 N</u>	toxicological endpoint:	<u>Blood</u>
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- Substances Accounting for 90% of 8-hour Chronic Hazard Index: Benzene
- Maximum Acute Hazard Index:
 

PMI:	<u>1.64</u>	Location:	<u>85734 E 3745469 N</u>	toxicological endpoint:	<u>Central Nervous System</u>
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- Substances Accounting for 90% of Acute Hazard Index: Hydrogen Sulfide

**C. Public Notification and Risk Reduction**

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

**ATTACHMENT B**  
**Public Notification Map**  
**(Acute Hazard Index)**

**Ecoservices Public Notification**

Ecoservices Facility (red)  
Acute HI = 1.0 (blue)

