



South Coast Air Quality Management District

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

Via Email and CERTIFIED RETURN RECEIPT to Addressee

November 6, 2024

Dan Cunningham
Bowman Plating Co. Inc.
2631 East 126th Street
Compton, CA 90222-1599

Subject: Approval of Modified AB 2588 Health Risk Assessment (HRA) for
Bowman Plating Co. Inc. (South Coast AQMD Facility ID No.: 18989)

Dear Mr. Cunningham:

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

On September 16, 2022, South Coast AQMD rejected the HRA submitted by Bowman and identified deficiencies in the HRA. As required by the rejection letter and in accordance with the extension granted by staff on November 10, 2022, Bowman submitted a revised HRA on November 29, 2022. Upon review of the revised HRA, staff found that the unit rate emission factor for the Anodizing Room area source was incorrect. Since Bowman previously received an HRA rejection, South Coast AQMD elected to modify and approve the HRA in accordance with Rule 1402(e)(2)(D).

South Coast AQMD submitted the HRA to OEHHA for review on April 19, 2023, noting the usage of an incorrect emission rate in the HRA. On June 7, 2023, South Coast AQMD received comments back from OEHHA confirming the HRA was consistent with OEHHA HRA guidelines.

Next Step: Public Notification

As summarized in Attachment A, the cancer risk at the Maximum Exposed Individual Resident (MEIR) receptor is estimated to be 673.5 chances in-one-million. The cancer risk at the Maximum Exposed Individual Worker (MEIW) receptor is estimated to be 44.2 chances in-one-million. The

cancer risk is due to hexavalent chromium emissions. The acute hazard index at the Point of Maximum Impact (PMI) is estimated to be 2.89 due to nickel emissions.

As stated in South Coast AQMD's Public Notification Procedures¹, public notification typically consists of three components: distribution of the approved HRA, distribution of public notification materials, and a public meeting. Bowman must distribute the 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 **December 6, 2024**. A map showing the areas with health risk levels exceeding the Notification Risk Level is also attached to this letter (Attachment B). Please note that although there are additional health scenarios that exceed the Notification Risk Levels, the isopleths fall within the bounds of the isopleths shown in Attachment B. The public notification materials must be approved by South Coast AQMD and sent to all addresses within the notification area contour (cancer risk of 10 chances in-one-million or greater and non-cancer acute hazard of 1.0 or greater) found in Attachment B. The public meeting must take place within **30** days of the distribution of public notification materials.

Future Plans: Risk Reduction

Because the Rule 1402 Action Risk Level was exceeded in the approved HRA, Bowman shall submit a Risk Reduction Plan (RRP) within 120 days of this letter pursuant to Rule 1402(f)(1) to reduce the impact of total facility emissions below the Rule 1402 Action Risk Level.

South Coast AQMD will post the approved HRA on our website. 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, both in electronic format and hardcopy, within two weeks, or no later than **November 20, 2024**.

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 Matthew Lee, Air Quality Engineer II, at (909) 396-2053, or Victoria Moaveni, Program Supervisor, at (909) 396-2455.

Sincerely,



Scott A. Epstein, Ph.D.
Planning & Rules Manager
Planning, Rule Development & Implementation

¹ http://www.aqmd.gov/docs/default-source/planning/risk-assessment/pn_procedures.pdf

Bowman Plating Co. Inc.

November 6, 2024

Attachments:

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

SE:VM:TT:ML



HEALTH RISK ASSESSMENT SUMMARY FORM

(Required in Executive Summary of HRA)

Facility Name : Bowman Plating
 Facility Address: 2631 East 126th Street
Compton, CA 90222
 Type of Business: Metal Plating
 SCAQMD ID No.: 18989

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 : 2019
2. Maximum Cancer Risk to Receptors : *(Offsite and residence = 30-year exposure, worker = 25-year exposure)*

a. Offsite	<u>853.9</u>	in a million	Location:	<u>Receptor 3837 UTME 386749.6 UTMN 3753792.1</u>
b. Residence	<u>673.5</u>	in a million	Location:	<u>Receptor 2229 UTME 386756 UTMN 3753797</u>
c. Worker	<u>44.2</u>	in a million	Location:	<u>Receptor 2228 UTME 386751 UTMN 3753797</u>
3. Substances Accounting for 90% of Cancer Risk: Hexavalent Chromium
 Processes Accounting for 90% of Cancer Risk: Anodizing Room
4. Cancer Burden for a 70-yr exposure: *(Cancer Burden = [cancer risk] x [# of people exposed to specific cancer risk])*

a. Cancer Burden	<u>1.42E-01</u>
b. Number of people exposed to >1 per million cancer risk for a 70-yr exposure	<u>36,241</u>
c. Maximum distance to edge of 70-year, 1×10^{-6} cancer risk isopleth (meters)	<u>2480 meters</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>0.80</u>	Location:	<u>UTME 386756 UTMN 3753797</u>	toxicological endpoint:	<u>RESP</u>
b. Worker HI :	<u>0.79</u>	Location:	<u>UTME 386751 UTMN 3753797</u>	toxicological endpoint:	<u>RESP</u>
2. Substances Accounting for 90% of Chronic Hazard Index: Nickel, Sulfuric Acid, Silica Crystalline
3. Maximum 8-hour Chronic Hazard Index:

8-Hour Chronic HI:	<u>0.18</u>	Location:	<u>UTME 386751 UTMN 3753797</u>	toxicological endpoint:	<u>RESP</u>
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4. Substances Accounting for 90% of 8-hour Chronic Hazard Index: Nickel
5. Maximum Acute Hazard Index:

PMI:	<u>2.89</u>	Location:	<u>UTME 386769.6 UTMN 3753797</u>	toxicological endpoint:	<u>IMMUN</u>
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6. Substances Accounting for 90% of Acute Hazard Index: Nickel

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
1463
2. Risk Reduction Required? Yes No

Attachment B

Public Notification Map

Residential Cancer Risk 10 chances in-one-million

