

October 6, 2022

Dear Business Owner:

Hanson Aggregate Pacific Southwest LLC (Hanson) is required by the San Diego County Air Pollution Control District (SCAPD) to conduct periodic health risk assessments that evaluate air pollutants released from the Santee Aggregate facility located at 8514 Mast Blvd, Santee, CA 92071.

You are receiving this letter because your business is within the area predicted to have a cancer and chronic risk above the public notification threshold as a result of the 2019 facility operations. This letter describes the nature and context of the potential impacts to help you evaluate the information in this required public notification.

### **About the Health Risk Assessment**

Health risk assessments provide a health protective estimate of the chance that a person may experience a health effect from exposure to chemicals based on computer modeling. While any emission of toxic air pollutants is a concern to Hanson, the estimated risk discussed in this notice is based on assuming a person is working full-time at the same location over a long-term period and is exposed to 2019 facility emission levels. The health risk assessment used regulatory models that are designed to ensure impacts are not underestimated; for example, the toxicity factors include safety and uncertainty factors to adjust the data from animal studies to humans. While risk assessments can be used to estimate whether current or future chemical exposures can pose health risks to a broad population, they cannot predict actual health risks or be used to determine if a particular health issue was caused by a particular chemical.

### **Results of the Health Risk Assessment**

The risk assessment approved by the SDAPCD indicated that two businesses are located within an area that may experience cancer and non-cancer chronic health impacts due to the facility's operations. The public notification thresholds are set at a level designed to protect the most sensitive individuals in the population. If a cancer risk is predicted to be equal to or greater than 10 in a million, this means there is a potential for a health impact due to a long-term exposure. If a chronic risk is predicted to be equal to or greater than a Health Hazard Index (HHI) of 1, this means there is a potential for a health impact due to a long-term exposure. The modeling predicted the maximum occupational cancer risk to be 19.7 in a million and chronic HHI to be 8.3. The SDAPCD health risk assessment indicated that the dust from unpaved haul roads would account for 99% of the predicted cancer and chronic risk, primarily from arsenic. Soil contains naturally occurring toxics such as arsenic, and when trucks drive along unpaved roads, they stir up these toxics. The haul road emissions were calculated based on the SDAPCD's default values for silt content and toxic pollutant emission factors.

### **Emission Reduction Measures**

As part of this health risk assessment, Hanson is required to submit a risk reduction plan to the SDAPCD by January 2023.

The quantity of toxics varies in all soils; thus, site specific data is the most accurate way to reflect the actual quantity of these toxics. Hanson has been using a dust palliative on the roads for many years. This palliative creates a crust on unpaved sections of the road to reduce dust. Hanson is currently working to provide SDAPCD how best to account for control on the roads. Once incorporated into the model, the toxics in the road dust will decrease and a revised health risk assessment would be prepared to

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demonstrate the risk reduction. Hanson is also looking at implementing additional road dust mitigation measures as needed, such as frequent road watering or application of road sealant to further reduce risk. Hanson continually examines potential opportunities for emission reductions associated with all sources at this site. The SDAPCD will evaluate the impact of these changes on potential health risks when Hanson submits the risk reduction plan to the SDAPCD.

**About the Hanson Santee Aggregate Processing Facility**

The Hanson aggregate facility produces high-quality sand and gravel to supply the construction needs of the San Diego area. Sand and gravel are key components in a number of critical building materials. It is used as a base, in foundations for homes, in sidewalks, in buildings, and roads to name a few. The Hanson Santee quarry is one of the last remaining local aggregate sources that can supply this critical building material.

**More Information**

For more information regarding the facility, please contact me at (925)-365-0004 or [Erika.Guerra@martinmarietta.com](mailto:Erika.Guerra@martinmarietta.com).

Sincerely,



Erika Guerra  
Environmental and Land Resources Director, Pacific Region  
Martin Marietta Materials