



November 13, 2024

Dear Business Owner:

Martin Marietta San Diego Aggregates, LLC is required by the San Diego County Air Pollution Control District (SDCAPD) 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, chronic and acute risk above the public notification threshold as a result of the 2021 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 Martin Marietta, 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 2021 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 one business is located within an area that may experience cancer, non-cancer chronic and acute 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 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 long-term exposure. If an acute 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 exposure. The modeling predicted the maximum occupational cancer risk to be 37.08 in a million, chronic HHI to be 14.41 and acute HHI to be 2.23. The SDAPCD health risk assessment indicated that the dust from unpaved haul roads would account for 98% of the predicted cancer and chronic risk and 94% of the acute 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, Martin Marietta is required to submit a risk reduction plan to the SDAPCD by April 8, 2025. 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. Martin Marietta 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. Martin Marietta 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. Martin Marietta 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. Martin Marietta 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 Martin Marietta submits the risk reduction plan to the SDAPCD.

About the Martin Marietta Santee Aggregate Processing Facility

The Martin Marietta 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 Martin Marietta 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 (858)-513-0611 or Erika.Guerra@martinmarietta.com.

Sincerely,



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