



1508 WEST MISSION ROAD

ESCONDIDO, CA 92029

(760) 745-0556

Dear Neighbor:

Accompanying this letter is a public notification mandated by a California law known as AB 2588. Your address has been identified as one of a small handful of residences, all in the Casa de Arroyo complex, that this notification must be sent to concerning our Superior Ready Mix operations as they existed in 2013. As a long time business privileged to serve this community, along with the other enclosed materials, we are providing you with additional information and context so you can better evaluate the information in the required public notification. This letter was reviewed and approved by the San Diego County Air Pollution Control District (APCD) for inclusion with this public notification.

In brief, the Air Toxics "Hot Spots" program (AB 2588) requires certain businesses to use a computer model to conservatively estimate concentrations of chemicals that may exist outside a facility and cause adverse health effects to nearby individuals in nearby residences. The law requires public notification when the maximum risk of contracting cancer, as predicted by the model, is estimated to increase by more than 10 in a million. The model assumes that the emission source operates at certain sustained levels over time, that you are present in your residence 24 hours each day for 30 years, and that your exposure began during the 3rd trimester of your mother's pregnancy. We understand these assumptions likely do not reflect your actual circumstances, but these assumptions are used in the model.

By way of comparison, to help put this risk into perspective, the American Cancer Society estimates that the total lifetime cancer risk for people living in the U.S. is approximately 400,000 in a million (or 40%). Further, the average risk of contracting cancer from breathing toxic air contaminants in the ambient air in San Diego County ranges from 810 to 860 in one million (or about 0.08%). According to the APCD, the maximum increased cancer risk attributed to the Superior Ready Mix facility, however, is just 12.4 in a million at the closest part of the Casa De Arroyo complex. Thus, the conservatively estimated cancer risk increase attributed to Superior's operation is a maximum of 0.0012% at your location, a very low risk increase.

We also want you to know that most of the estimated increased cancer risk from our facility is actually attributed to soil ingestion (eaten) which includes hand-to-mouth ingestion of soil from outdoor activity, soil tracked inside your apartment, or blown indoors through open windows and/or doors. Based on OEHHA's 2015 Guidance Manual (and supporting documents) and taking into account children and adult ingestion rates, the model used by APCD assumes that residents will ingest 7.36 pounds of soil over a thirty-year period. Soil ingestion rates vary depending on the age of the individual, frequency of hand-to-mouth contact, seasonal climate, amount and type of outdoor activity, the surface on which that activity occurs, and personal hygiene practices.

Similarly, according to the APCD, “estimated risks are not based on actual measured air concentrations of ... toxic compounds, but instead on computer models that estimate risks based on a variety of conservative assumptions.” In other words, the computer model APCD uses contains a number of conservative default (or assumed) values. As stated in the attached fact sheet, there is a great deal of uncertainty associated with the process of risk assessment. The uncertainty arises from lack of data in many areas necessitating the use of assumptions. The assumptions used for health risk assessments are designed to error on the side of health protection in order to avoid underestimation of risk to the public.

It is also worth noting that the law requires notice to neighboring residents when the estimated cancer risk is increased by 10 in a million, but does not require the facility to make any physical changes in their operation unless the increase in the cancer risk is ten times as much, that is 100 in a million. Thus, the 10 in a million level, above which notification is required, is an order of magnitude below the level considered to be significant enough to require fixing.

Finally, we’d like you to know that Superior is constantly making improvements to minimize impacts to our neighbors and the environment. In the last few years, we have:

- Converted a large share of our vehicle fleet to compressed natural gas (CNG) from diesel fuel. CNG is much cleaner than diesel, produces significantly less greenhouse gases, and reduces NOx (nitrogen oxides) emissions by as much as 90% NOx is a primary component of smog. CNG engines are also much quieter than diesel engines.
- Certified nearly all of our vehicle engines to a NOx idling emission standard of 30 grams per hour which makes them compliant with California’s “Certified Clean Idle” standards.
- Equipped vehicles delivering aggregate (rock) and asphalt with idle timers to automatically shut off engines after 5 minutes of idling.
- Installed a new vapor capture system to filter and clean vapors from the asphalt plant and the asphalt loading area.
- Paved the extension of Princess View drive north into the property to reduce dust.
- Recently paved the frontage road parallel to Mission Gorge Road to reduce dust.
- Installed a vehicle tire wash system to wash tires before trucks leave the facility to control dust and avoid tracking out dirt.
- Continued using a street sweeper to clean Mission Gorge Road three times a day between the quarry and our facility entrance to the west.
- Continued frequently watering all internal unpaved roads and applying a soil stabilizer to our roads so they better retain moisture to reduce dust.

Superior is committed to doing all it can to make our business operation as neighbor friendly as possible. Aggregate from our quarry continues to be a foundational building block of just about everything we San Diegan’s use and build daily, including our homes, offices, hospitals, places of worship, work, shopping and recreation. Of course, the material we produce is also used to build and maintain our roads and other infrastructure.

We believe that open communications with our neighbors will help us to continue operating our business well, provide great employment opportunities and be the best possible neighbor we can be. Superior Ready Mix is committed to operating our quarry and related businesses to

minimize neighborhood impacts. Should you ever have concerns with any aspect of the quarry, please contact us by calling or emailing Arnold Veldkamp at 760-745-0556 and [aveldkamp@superiorm.com](mailto:aveldkamp@superiorm.com).

Thank you!