

## **Quantitative Air Quality Impact Shows Liberty Quarry Will Have Little Impact on Local Air Quality**

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Kleinfelder, Inc. has released an air quality impact analysis (AQIA) for Liberty Quarry that details the potential air quality impact that could be caused by construction and operation of the proposed quarry.

All data presented by the AQIA is based on a “worst case” analysis of production levels and project emissions, meaning that these levels were estimated at a higher level than what average production levels and emissions will be at Liberty Quarry. Even at this “worst case” level, **none of the ambient impacts exceed any health thresholds.**

Through a comparison of the results of this AQIA with other studies, it has been determined that air emissions from developments such as a mall, a discount store and a home improvement store are much greater than the net emissions from the Liberty Quarry project. Additionally, it has been determined that pollutant emissions associated with rural communities containing approximately 2,000 to 3,000 dwellings are 10 to 20 times greater than the net emissions associated with the proposed Liberty Quarry.

### **Key findings of the report include:**

1. The maximum annual impacts of particulate matter and nitrogen oxides pollution during all quarry project phases are only 1% above the existing pollutant conditions in the city of Temecula. There is only a 0.1-0.2% increase above the pre-project background in the community of Fallbrook and only a 2-3% increase above the pre-project background in the community of Rainbow. Other pollutant impacts are equally as small.
2. Existing particulate emissions from traffic on I-15 are measured at 220 tons per year. Liberty Quarry is expected to only emit 19.9 tons per year. This data demonstrates that Liberty Quarry will emit less than 9% of the existing particulate emissions that are generated by traffic on I-15.
3. Liberty Quarry’s total proposed on-site pollutant emissions are less than 20% of the existing traffic emissions on the 6.7 mile stretch of Interstate 15 that travels through the city of Temecula.
4. All annual Ambient Air Quality impacts at the maximum exposed actual receptor – the CHP Rainbow Valley Boulevard Exit weigh station – are measured as being less than a 4% change from the existing pre-project background concentrations.
5. All air impacts will be less than the most stringent ambient air quality standards and the air toxics impact assessment indicated that **none** of the ambient impacts exceed the acceptable health thresholds set by the state and
6. The relatively small magnitude of the project and the offsetting emissions from the reduction in truck traffic indicate that the project is not expected to contribute to global climate change.
7. There are a wide variety of mitigation measures to be implemented as part of the project in order to minimize the amount and impact of pollutants emitted. These measures include a requirement that there be no visible dust within 100 feet of any equipment or beyond the property boundary line along with several other measures specifically intended to reduce dust emissions.