



## **Key Mitigation Measures for Liberty Quarry**

### **Air Quality**

- Enclosure of most stationary equipment and conveyor belts to further reduce air and noise emissions
- No visible dust will be allowed within 100 feet of any equipment nor beyond the property boundary line
- The processing site will be paved and swept daily with SCAQMD-certified sweepers to eliminate vehicle dust
- Granite will outfit 130 vehicles at the commencement of operations with new engines or diesel particulate filters to further reduce air emissions
- Granite will use baghouse filters to remove dust from stationary equipment emissions

### **Santa Margarita Ecological Reserve and Habitat Protection**

- Granite will not mine between 10 p.m. and 7 a.m. to reduce noise to acceptable levels
- Granite will reduce the footprint of the proposed quarry from 155 acres to 135 acres (13% reduction) increasing the amount of open space of the project to 65%
- 400-foot buffer along the northern boundary of the property to reduce noise and light edge effect will be placed in a permanent conservation easement.
- Increased buffer at the southwestern corner to preserve the function of the SMER lands and the Santa Margarita River corridor
- Payment of more than \$1.3 million in Multiple Species Habitat Conservation Plan (MSHCP) fees to Riverside County

### **Noise and Vibration**

- Construction equipment will be fitted with the best available noise-control technology, including engine exhaust silencers and acoustical enclosures
- Natural noise barriers and a vegetated berm will block the line of sight from the handful of nearby structures to construction and operational equipment
- Prohibit mining activities and certain operations during the hours of 10 p.m. and 7 a.m.
- Noise and blasting (vibration) monitoring and reporting plans will be implemented

### **Traffic**

- Improvements at the I-15 Rainbow Valley interchange to accommodate additional traffic will include three new traffic signals and an additional southbound off-ramp lane
- Construction of a third lane and second scale on the southbound weigh station to the existing CHP weigh scale facility
- Liberty Quarry would remove/reduce 2,729 San Diego-bound truck trips/day from I-15, eliminating more than 16 million truck-miles annually
- Payment of more than \$1.7 million in fees to assist with upgrades to the three I-15 interchanges in the City of Temecula
- Payment of more than \$1 million in TIF fees to San Diego County

### **Aesthetics and Lighting**

- The Lighting Plan, reviewed and approved by the Palomar Observatory, provides for the following:
  - No project-related lighting for mining, plant operations, or load-out shall be used within 100 feet of the property boundary
  - All lighting will point downward and be shielded to preserve dark skies
  - All lighting shall be provided with switches to be turned off when not required for project operations.