

INFORMATION SHEET

ORDER NO.
GRANITE CONSTRUCTION COMPANY
KEITHLY RANCH/HIGHWAY 175 QUARRY
LAKE COUNTY

Granite Construction Company (Discharger) owns a rock quarry and aggregate processing plant on 1,670 acres of land south of Lakeport, in Lake County. Rock mined from the quarry is removed via drilling and blasting, and then is crushed, washed, classified, and stockpiled according to size. The Discharger currently mines up to 400,000 tons of rock each year from the quarry and the maximum annual production of the quarry is 1 million tons of rock. The mine overburden is stripped and stockpiled for re-spreading over the mined area. The mined rock is transported to a moveable primary crusher/feeder within the active quarry area. From the quarry, the crushed rock is transported to the aggregate processing plant where it is further crushed, washed, classified, and stockpiled according to size.

Source water for the aggregate processing plant is obtained from an on-site well. Between 300,000 and 400,000 gallons per day (gpd) of wash water from the aggregate processing plant is discharged into a 1 million gallon settling pond, located outside the 100-year flood plain. The wash water is recirculated between the pond and the aggregate processing plant.

The Discharger also operates a portable asphalt batch plant in the area northwest of aggregate processing plant. The plant heats and dries the aggregate in a rotary dryer. Exhaust gases and suspended dust are blown through sealed ductwork to a bag house pollution collection system. The process dust is then removed and recycled back into the asphalt product. No wastewater is associated with this operation.

Historical gold mining has not occurred in the area. However because naturally occurring mercury is known to the area, this Order requires the Discharger to monitor mercury concentrations in its discharge. If mercury is detected at concentrations equal to or greater than 50 nanograms per liter (ng/l) in any settling pond water, then the Discharger shall submit a workplan to further characterize mercury in the water and sediment within the designated disposal areas and the dredging area. The 50 ng/L limit is the California Toxics Rule criterion to protect human health from consumption of water and aquatic organisms from inland surface waters.

Surface water drainage is to Manning Creek, which is a tributary to Clear Lake