

INFORMATION SHEET

LAMPLIGHT, INC. AND MAYBELLE TIMM ELEY
U.S. FOREST SERVICE AND BLM
TIMM MINE
EL DORADO COUNTY

Lamplight, Inc. is the operator and Maybelle Timm Eley is the owner of the Timm Mine (the Facility or Site). The Facility is located in El Dorado County. The Facility is a mining claim located on private land owned jointly by Maybelle Timm Eley and the Timm M Testamentary Trust, and on public lands owned by the United States Government (United States Department of Agriculture, Forest Service and United States Department of Interior, Bureau of Land Management). The Timm Mine is located approximately 1.5 miles east of Spanish Flat along Traverse Creek. The Facility covers approximately 3 acres of surface area and the elevation at the site ranges from about 1,450 to 2,550 feet above mean sea level. The Timm Mine consists of a series of interconnected mining claims that have intermittently operated since the 1880's. The Timm Mine consolidates mining claims previously known individually as the Atlanta, Round Hill#1 and #2, Yellow Jacket, Shumway, and Alhambra claims.

On 30 January 2013, the Discharger submitted a Report of Waste Discharge (RoWD) for the Timm Mine. However, the RoWD was deemed incomplete. These WDRs in the provisions require the Discharger to submit the necessary attachments, reports, etc. to ensure that the Discharger's operations are in compliance with the Water Code and Title 27 regulations associated with mining operations and final disposition of all mining waste.

The proposed mining rate is less than 1000 tons per year. The Discharger identified two main types of mining waste that will be generated from the operation. Approximately 900 tons of mining waste to be generated was characterized as development rock. Development rock has been classified as Group C mining waste as defined by California Code of Regulations, title 27 ("Title 27"), § 22480. Approximately 100 tons per year of mining waste to be generated at the site was characterized as Group B mining waste. These WDRs prescribe waste discharge requirements for Group B and Group C mining waste that are protective of ground and surface waters.

All mining (development and production) is underground with access to the mine workings through the main portal. All mining equipment is powered by compressed air, except an electric rail trammer. Blast holes are drilled with a pneumatic percussion rotary drill using compressed air and water. Blast holes are drilled, loaded with explosives and shot. The Discharger anticipates that milling will occur intermittently, one to two non-consecutive days per month, and less than 100 tons/year of material will be processed through the mill. The milling process is a gravity separation system that does not use chemicals or reagent; target metals are recovered by material density differential using water and mechanical action. The mill system entails: ore storage and conveyance; crushing and grinding of ore; and, recovery of precious metals and metallic sulfides. Excess water from the mill circuit will be pumped to a separate, fully contained water storage area and recycled back to the mill circuit. All process water in the milling operation will be fully contained with zero potential for discharge to ground or surface water without prior treatment as described in Findings 61 through 64 and Discharge Specifications B.3 through B.5 of this Order. All tailings will be mixed with cement slurry and pumped back into dry abandoned underground work areas for solidification.

These WDRs prohibit the direct or indirect discharge of mining waste to surface water or surface water drainage courses. These WDRs require Group B mining waste in liquid form to be treated prior to discharge to land. Group C mining waste will be reclaimed onsite.

Storm water runoff from the Facility will be regulated under State Water Resources Control Board Order 97-03-DWQ, *General Permit for Discharges of Storm Water Associated with Industrial Activities*.