



## MINING AND RECLAMATION PLANS

**In this issue, we provide a summary of the proposed mining and reclamation plan.**

It is projected that mining activity will start at the Kirkland site after the U.S. Bureau of Land Management (BLM) permit process has been completed and the Draft Proposed Mining and Reclamation Plan of Operations (MRPO) has been approved by the BLM. All other permits will be in place when operations begin.

The KMC project will be very similar to other small quarry operations. The excavation sites will be prepared by removing any overburden overlying the deposit and stockpiling it for use during reclamation. High quality natural pozzolan will be excavated in 15-foot benches with bull dozers and an excavator much like taking pancakes off one layer at a time. A haul truck will carry the natural pozzolan to a stockpile to await crushing and screening. A crusher and screen will be operated on site periodically throughout the year to stockpile a 2-inch minus-sized product. This product will be transported from the site in tarped 25-ton truckloads to off-site mills where it will be ground for use in cement and concrete. We project that mining activity will occur relatively continuously throughout the year; the exact production rate and timing will depend on market demand.

Noise and visual effects of the mining will be significantly reduced by leaving in place natural buffer zones. Only 88 acres of the 400-acres of mining claims are proposed for disturbance in the MRPO. This extensive non-disturbance buffer includes protection for the surrounding washes and their wildlife habitat, along with some cultural resource sites. Disturbed areas will be kept to the minimum necessary for production to retain existing vegetation and reduce fugitive dust. Haul roads and other traffic areas will be regularly sprayed with water for dust abatement, and misters and foggers will be used to control any dust at the crusher and screen. Other standard types of dust palliatives may also be used to reduce water consumption as activity progresses.

Reclamation will occur concurrently with mining. Waste rock and overburden that is strategically placed during mining will be used as fill to help reshape quarry slopes, and stockpiled topsoil will be used to promote native species revegetation. Ongoing reclamation will be consistent with the final MRPO, which is designed to protect the resources and return the post-mine site to a pre-mine condition suitable for multiple use. Completion of the reclamation process will be insured through a surety bond posted with the BLM.

The detailed MRPO and other information about the KMC high quality natural pozzolan project is available either at our website at [www.kirklandmining.com](http://www.kirklandmining.com) or the BLM project website at <http://go.usa.gov//xnJFX>

**FOR MORE INFORMATION OR TO SCHEDULE A MINE TOUR:**

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