

**White Mesa Mill**  
**Work Practice Standards for Control of Fugitive Dust**  
**Ore Receipt and Front-end Loader Operations**



**Scope**

The standards adopted by this procedure pertain to the control of fugitive dust during ore truck off-loading activities at the ore storage pad and to ore pad operations during ore transfer and storage.

**Purpose**

The purpose of this Work Practice Standard is to implement appropriate control measures and monitoring of fugitive dust at the ore storage location. Ore to be processed at the White Mesa Mill is received by truck from various mining operations where the moisture content has been historically sufficient to control dusting during off-loading operations. On average, received ore shipments retain approximately 4% moisture content and do not generate dust in excess of 15% during off-loading operations. More specifically, observations of opacity during off-loading have not been in excess of the standard and are typically less than 5%. However, while in storage at the ore pad, and during front-end loader operations when the ore is being transferred for processing, dusting is possible and is controlled by means of these procedures.

**Ore Receipt Work Practices**

Ore is received on a daily basis from various mines delivering to the Mill. At the beginning of each day shift a trained opacity observer will monitor dust conditions during ore receipt to verify that sufficient moisture is contained in the ore and that dusting in excess of the Approval Order (DAQE-AN0112050008-08) limit of 15% is appropriately controlled. While moisture content of each shipment is eventually determined for processing purposes, representative data are not immediately obtainable for each load prior to off-loading. Accordingly, dust controls must be implemented on the basis of observed conditions. As such, opacity readings will be recorded in a log book which will be retained onsite for review by the UDEQ Division of Air Quality. If it is observed that opacity is in excess of 10% during off-loading operations, the trained observer will notify operations personnel and corrective actions will be determined and implemented by Mill management (given the circumstances at the time) in order to reduce dust to below the 10% threshold.

**Ore Handling Work Practices**

In conjunction with the daily observation of ore off-loading operations, the ore pad area will be subject to monitoring of opacity from stored ore and front-end loader operations. Accordingly, a trained observer will monitor and record opacity readings on a daily basis at the ore pad in order to assure that dusting in excess of the 15% opacity limit established by the Approval Order

(DAQE-AN0112050008-08) is not exceeded. Daily opacity readings will be recorded in a log book which will be retained onsite for review by the UDEQ Division of Air Quality. If it is observed that dusting is in excess of 10% during ore handling activity, the trained observer will notify operations personnel and ore handling operations will be slowed to control dust. In addition to these controls, and as a general dust control measure, water spray is applied on an as needed basis in the ore handling area (based upon the observations of the trained observer) in order to control dust resulting from activity at the ore pad location.