

**Utah Department of Environmental Quality  
Division of Air Quality  
FACT SHEET**



**Kennecott Utah Copper  
Intent to Approve Number DAQE-IN0105710024-09  
Dated December 8, 2009**

**January 2010**

**Remove three conditions from AO that are duplicate in the PM<sub>10</sub>SIP  
Bingham Pit ore and waste material production limit  
Annual sulfur emission limit  
Sulfur content in diesel fuel**

**Regulatory Program**

The Utah Division of Air Quality (DAQ) prepares and issues air quality permits to construct and operate process units and equipment that are sources of air pollution. These permits are called Approval Orders or AOs. Any modification to a facility operation or a process unit requires the company to obtain a new AO to address the changes in operation or emissions.

**Source Description**

Kennecott Utah Copper LLC (KUC) is a leading producer of copper and valuable by-products: gold, silver and molybdenum from the ores of the Bingham Canyon Mine.

**Intent to Approve**

KUC requested modification of their approval order for the Bingham Pit to allow an increase of its material production of ore and waste rock. DAQ has reviewed the requested changes and determined that, based on the outline below; an AO is not the appropriate process for a materials production increase and the request was not granted. KUC will need to apply for an increase through the State Implementation Plan (SIP) process. The Intent to Approve DAQE-IN0105710024-09, was developed to include the following changes in the AO:

**Modify AO DAQE-AN-0105710023-08**

KUC requested a modification to their AO for the Bingham Pit that allows for an increase in the material production limit from 197,000,000 to 250,000,000 tons of ore and waste rock per 12-month period. After review, it was determined that the production limit should not be modified

through the AO process because the limit is also controlled by the SIP for PM<sub>10</sub>.

The production limit and two other limits for mobile source sulfur emissions that were in the AO are also in the PM<sub>10</sub> SIP. One mobile source sulfur limit restricts the SO<sub>2</sub> emissions to 97 tons per year and the other mobile source sulfur limit restricts the sulfur content in the fuel to 0.03 lbs per million BTU heat input. Each of these three limits, which are also codified in the PM<sub>10</sub> SIP, were established pursuant to the SIP process as part of the PM<sub>10</sub> attainment strategy and not as a result of the NSR AO process. Consistent with their basis for being established, UDAQ has determined that these three limits are more appropriately included in the PM<sub>10</sub> SIP and unnecessary in the AO and therefore should be removed from the AO. The limits will still be listed in the PM<sub>10</sub> SIP and will remain enforceable limitations until such time as the SIP is amended. Any changes to the SIP will be subject to additional public notice and comment procedures. The emissions from the KUC Bingham Pit will not be affected by the removal of these three conditions from the AO. The potential to emit emissions, in tons per year (tpy), for sources at the Bingham Pit will remain unchanged.

**Public Comment:**

The Intent to Approve is available for viewing at:

<http://www.airquality.utah.gov/Permits/DOCS/IN010510024-09.pdf>

or at the UDAQ office located at:

Utah Division of Air Quality

150 North 1950 West  
Salt Lake City, Utah.

The comment period for this action started on December 11, 2009 and is extended until after the hearing and will close on January 17, 2010.

A public hearing on the Intent to Approve will be held on January 12, 2010 at 6:30 at the Magna Chamber of Commerce, 9145 W 2700 S, Magna, UT.

**Additional Information**

If you would like more detailed information please contact:

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