



Bureau of Mining Regulation and Reclamation

**ALTERNATE USE OF MINED WASTE ROCK AND SPENT ORE
DISPOSAL/USE OUTSIDE OF CONTAINMENT - GUIDANCE DOCUMENT**

Mined waste solids that are typically considered for reuse are spent ore material or waste rock that does not pose a threat to surface or groundwater. Reuse or disposal of mine waste solids outside of containment is not allowed without prior approval from the Bureau of Mining Regulation and Reclamation (BMRR), and is considered a Water Pollution Control Permit modification requiring an Engineering Design Change (EDC). To apply for authorization an EDC proposal must be submitted to BMRR in accordance with this guidance document.

The proposal must include a detailed description of the proposed location and manner of use of the material. The proposal should describe in detail the potential for contact with and degradation of any surface water or groundwater. Consider such factors as depth to ground water, proximity to surface water, background water quality, soil attenuation characteristics, local precipitation and exposure to runoff.

The material must be characterized for its potential to release contaminants by a Nevada Division of Environmental Protection certified laboratory. Representative samples of the material must be subjected to the following tests:

Type of Material	Required Testing
Spent Heap Leach Ore or Tailings	TCLP - 8 metals, MWMP - Profile II, and AGP-ANP
Waste Rock	MWMP -Profile I and AGP-ANP

TCLP = Toxicity Characteristic Leaching Procedure, EPA Method 1311, 8 metals

MWMP = Meteoric Water Mobility Procedure, ASTM E2242-12e1

AGP-ANP = Acid Generation Potential – Acid Neutralization Potential

Profile I and Profile II = Water quality tables of parameters and reference values

The analytical results will be considered along with site-specific conditions to determine the potential of the proposed activity to degrade waters of the State. Analyses must be performed by a Nevada Certified Laboratory. Relocation of the mine waste rock or spent ore material may not commence until authorization is granted.