

Bureau of Mining Regulation and Reclamation

APPLICATION REQUIREMENTS FOR PHYSICAL SEPARATION FACILITIES

(Pursuant to Nevada Administrative Code [NAC] 445A.414)

Name of Facility: _____

Permit Number: _____

Applicant Name: _____

NAC 445A.394 General

Reference

Appropriate fee submitted _____

Water Pollution Control Permit Application signed by owner, operator,
or authorized agent _____

Name, location, and mailing address of the
facility, owner, operator, and authorized agent _____

Legal structure of applicant (individual, partnership,
or Nevada registered entity) _____

Name of landowner or mining claim(s) owner _____

Documentation of notice to county commissioners _____

Rate of ore processing in tons of ore per year; if cubic
yards are used to track production at the facility, they
must be converted to tons for Division reporting _____

NAC 445A.395 Abbreviated Assessment of Area Review

Depth to groundwater beneath the Facility site _____

Topographical map (such as an enlarged portion of a USGS 7½-minute series topographic quadrangle map), with labeled contours, that identifies:

1. All known surface water within ½-mile radius _____
2. All existing habitable buildings within ½-mile radius _____
3. Boundaries and area of upgradient watershed _____
4. All drinking water wells downgradient to ½-mile _____

A plan map that identifies the Facility components and the methods for control of watershed storm event run-off, such as the locations of natural drainages and constructed control devices such as ditches, berms, diversions, culverts, and road _____

Greater or lesser review required based on population, depth to groundwater, distance to surface water(s), and quality, uses, or potential uses of groundwater/surface water _____

NAC 445A.414.1.c Draft Operating Plan

The Plan must include:

1. A general location map for the Facility that identifies major topographic features (mountains, valleys, streams, etc.), major cultural features (nearest town, highways, access roads, etc.), the Facility boundary, and estimated acreage _____
2. A plan map or diagram, clearly marked with plan distances or an accurate scale bar, which identifies all Facility process components, their physical dimensions, and material of construction _____

A general description of the mining process, the mining rate, and the equipment to be used _____
3. A written description and flow chart of the process circuit, from beginning to end, that describes or illustrates the purpose and processing rate and/or dimension, as applicable, for each component, including pond volumes and, if required, liner materials _____
4. A description of the method for dewatering process reject material and excavated pond solids; the location, dimensions, and capacity of a stockpile pad for temporary storage of the materials; and how the materials will be used in site reclamation activities _____

- 5. A description of the activities that will take place in the event of seasonal or temporary closure of the Facility _____
- 6. A description of the actions that will be taken, and by whom, in the event of an emergency such as a process solution or fuel spill, an equipment leak, or the failure of a component such as the breach of a pond _____
- 7. A description of the activities that will take place to permanently close the Facility _____

NAC 445A.414.1.d Analysis of Samples

Submit a Meteoric Water Mobility Procedure-Profile I analysis of ore to evaluate potential to release pollutants (a Profile I analysis of process water may be an acceptable proxy for an operating Facility) _____

If waste rock or other overburden will be mined, submit a Meteoric Water Mobility Procedure-Profile I analysis of the material to evaluate potential to release pollutants _____

If a crushing circuit is employed an additional Meteoric Water Mobility Procedure-Profile I analysis of the crushed ore is required to evaluate potential to release pollutants _____

For any of the above analyses that exhibit the potential to release pollutants, evaluation of the potential to generate acid using the Nevada Modified Sobek Procedure _____

NAC 445A.414.1.e Make-up and Process Waters

Identify the source and location (on a map) of make-up water for the process _____

Submit a Profile I analysis of the make-up water _____

If an operating Facility, submit a Profile I analysis of process water _____

NAC 445A.414.1.f Certification Not to Use Chemicals

Certification signed by the Applicant that chemicals, except as may be approved by the Division, will not be used in the process circuit. Flocculants are the only chemicals that may be approved by the Division for use in a physical separation operation. _____

NOTE: Ore or waste rock/overburden that has the potential to release pollutants and/or generate acid may require more stringent review and containment. Refer to regulations for detailed requirements.

Date of Review: _____