



## Application for Permits to Mine in Alaska (APMA)- BLM Supplement A – Performance Standards

The following performance standards are requirements from 43 CFR 3809.420. Describe how you will meet each of these performance standards in your Notice or Plan.

- *Technology and practices.* You must use equipment, devices, and practices that are technically feasible to meet the following performance standards.
- *Sequence of operations.* You must avoid unnecessary impacts and facilitate reclamation by following a reasonable and customary mineral exploration, development, mining and reclamation sequence.
- *Land-use plans.* Consistent with the mining laws, your operations and post-mining land use must comply with the applicable BLM land-use plans and activity plans, and with coastal zone management plans under 16 U.S.C. 1451, as appropriate.
- *Mitigation.* You must take mitigation measures specified by BLM to protect public lands.
- *Concurrent reclamation.* You must initiate and complete reclamation at the earliest economically and technically feasible time on those portions of the disturbed area that you will not disturb further.
- *Compliance with other laws.* You must conduct all operations in a manner that complies with all pertinent Federal and state laws. These laws include but are not limited to: the Clean Air Act (42 U.S.C. 1857 *et seq.*) and the Federal Water Pollution Control Act, as amended (30 U.S.C. 1151 *et seq.*).
- *Solid wastes.* All operators shall comply with applicable Federal and state standards for the disposal and treatment of solid wastes, including regulations issued pursuant to the Solid Waste Disposal Act as amended by the Resource Conservation and Recovery Act (42 U.S.C. 6901 *et seq.* ). All garbage, refuse or waste shall either be removed from the affected lands or disposed of or treated to minimize, so far as is practicable, its impact on the lands.
- *Fisheries, wildlife and plant habitat.* The operator shall take such action as may be needed to prevent adverse impacts to threatened or endangered species, and their habitat which may be affected by operations.
- *Cultural and paleontological resources.*
  - Operators shall not knowingly disturb, alter, injure, or destroy any scientifically important paleontological remains or any historical or archaeological site, structure, building or object on Federal lands.
  - Operators shall immediately bring to the attention of the authorized officer any cultural and/or paleontological resources that might be altered or destroyed on Federal lands by his/her operations, and shall leave such discovery intact until told to proceed by the authorized officer. The authorized officer shall evaluate the discoveries brought to his/her attention, take action to protect or remove the resource, and allow operations to proceed within 10 working days after notification to the authorized officer of such discovery.
  - The Federal Government shall have the responsibility and bear the cost of investigations and salvage of cultural and paleontology values discovered after a plan of operations has been approved, or where a plan is not involved.



- *Protection of survey monuments.* To the extent practicable, all operators shall protect all survey monuments, witness corners, reference monuments, bearing trees and line trees against unnecessary or undue destruction, obliteration or damage. If, in the course of operations, any monuments, corners, or accessories are destroyed, obliterated, or damaged by such operations, the operator shall immediately report the matter to the authorized officer. The authorized officer shall prescribe, in writing, the requirements for the restoration or reestablishment of monuments, corners, bearing and line trees.
- *Fire.* The operator shall comply with all applicable Federal and state fire laws and regulations, and shall take all reasonable measures to prevent and suppress fires in the area of operations.
- *Maintenance and public safety.* During all operations, the operator shall maintain his or her structures, equipment, and other facilities in a safe and orderly manner. Hazardous sites or conditions resulting from operations shall be marked by signs, fenced, or otherwise identified to alert the public in accordance with applicable Federal and state laws and regulations.

**The following requirements must be incorporated and described in detail within your Notice or Plan.**

#### *Access routes*

Access routes shall be planned for only the minimum width needed for operations and shall follow natural contours, where practicable to minimize cut and fill. Where the construction of access routes requires upslope cuts in excess of 3 feet deep, the operator may be required to consult with the authorized officer concerning the most appropriate location of the access route prior to commencing operations. An operator is entitled access to their operations consistent with provisions of the mining laws. Where a notice or a plan of operations is required, it shall specify the location of access routes for operations and other conditions necessary to prevent unnecessary or undue degradation. The authorized officer may require the operator to use existing roads to minimize the number of access routes, and, if practicable, to construct access roads within a designated transportation or utility corridor. When commercial hauling is involved and the use of an existing road is required, the authorized officer may require the operator to make appropriate arrangements for use and maintenance. Please provide detailed information regarding planned access routes, including dimensions and their location on a map.

#### *Mining wastes*

All tailings, dumps, deleterious materials or substances, and other waste produced by the operations shall be disposed of so as to prevent unnecessary or undue degradation and in accordance with applicable Federal and state Laws. Please describe how mining wastes will be disposed of during the course of the operation and after reclamation.

#### *Reclamation*

At the earliest feasible time, the operator shall reclaim the area disturbed, except to the extent necessary to preserve evidence of mineralization, by taking reasonable measures to prevent or control on-site and off-site damage of the Federal lands.

Reclamation shall include, but shall not be limited to:

- Saving of topsoil for final application after reshaping of disturbed areas has been completed. Please describe how topsoil will be stockpiled and protected from surface erosion prior to reclamation.



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- Measures to control erosion, landslides, and water runoff. Please describe what measures will be taken to satisfy this requirement.
- Measures to isolate, remove, or control toxic materials. Please describe what measures will be taken to satisfy this requirement.
- Reshaping the area disturbed, application of the topsoil, and revegetation of disturbed areas. Please describe what measures will be taken to satisfy this requirement.
- Rehabilitation of fisheries and wildlife habitat. Please describe what measures will be taken to satisfy this requirement.