

**Mining and Reclamation Plan
Material Site XX-X-XXX-X
Dalton Highway MP XXX**

These guidelines are subject to the Alaska Department of Natural Resources (DNR) Material Sale Contract, ADL _____, and stipulations contained therein. For each new use or project, the user or contractor shall submit a Project Mining and Reclamation Plan to DNR for approval, prior to any mining activities.

This is a designated material site, Master Material Site ADL_____, under AS 38.05.550 (b).

Legal Description

General Information

Mining Guidelines

The Plan will adhere to the following guidelines:

1. The contractor or user shall locate site boundaries to verify work stays inside buffers.
2. Continue working within the existing cleared area taking the floor down.
3. Overburden will be stockpiled along the Southern limits of the material site.
4. At the end of each project or use, grade the pit floor level to gently sloping to blend with earlier depth limits. Maintain the site in a clean, neat condition. After each use, remove all equipment, structures, vehicles and trash.
5. All mining and stockpiling activities shall be in accordance with applicable Construction General Permits (CGP) and Storm Water Pollution Prevention Plans (SWPPP)
6. Disposal of unusable excavation material from off-site construction projects is discouraged at this site because all cleared areas are potentially mineable in future. It should only be allowed on areas of lowest quality rock that are unlikely to be utilized. DNR permission is required.

Reclamation Objectives and Guidelines

The reclamation plan has several objectives:

1. To not preclude or hinder future development of un-mined areas.
2. To blend with surrounding topography and not be visible from the highway.
3. To prevent erosion and sediment transport to surrounding, undisturbed areas.
4. To allow reestablishment of native vegetation and wildlife habitat.

5. To leave the site in a safe condition that does not endanger people or wildlife.

Reclamation activities will include:

1. In areas with soil or soft rock that can be graded, leave slopes along the material site boundaries, or where future development is not anticipated at 3H:1V or flatter.
2. Spread available overburden and then organic matter on reclaimed slopes. Allow reclaimed areas to revegetate naturally.
3. If there are areas with steep quarry walls, rock faces may be left such that the overall slope angle is 2H:1V or flatter, benches are 20 feet wide and faces less than 20 feet high. Faces shall be scaled of loose rock. Access to benches and top of worked faces will be blocked.

Reclamation Objectives and Guidelines

Prior to use of the site for any project, the contractor or user shall submit a Project Mining and Reclamation Plan, in accordance with AS.27.19 and 11 AAC 97 to DNR for approval. The Plan describes the proposed plan of operation and shall be in compliance with guidelines listed here. Upon approval, the Plan will be followed by the contractor or. The plan should include the following:

The **sketch map** shall include:

1. Site boundaries, buffers
2. Proposed working limits, to be marked on the ground
3. Organic debris and overburden stockpile areas
4. Work pad, material stockpile locations, processing equipment locations
5. Scale of drawing, north arrow, and specific dimensions as appropriate

The **narrative** shall include:

1. Methods of operation
2. Estimated quantities for removal
3. Length and times of operation (day, month, years, and working hours)
4. Blasting plan if applicable, detailing explosive and detonation types, onsite storage and duration of blasting
5. Air and water pollution control measures
6. Reclamation measures

Supplements and amendments

Supplements and amendments to an approved mining and reclamation plan may be initiated by the contractor or user when conditions warrant such action. Supplements and amendments must be mutually agreed upon and proper approval obtained prior to

commencement of work of a changed nature.

1. Minor changes are those that affect details of the operation, but remain in compliance with the development guidelines.
2. Major changes are those which cause the final outcome of the site to be significantly different from the approved mining and reclamation plan or are not in compliance with the development guidelines. These require approval by DNR.

