



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF MINING PROGRAMS

LAND USE AND RECLAMATION

08/2021

Land Use [§§ 87.68, 87.141, 87.142, 87.144, 87.145]

Identify the present acres of each land use area within the proposed permit area and the proposed postmining acres.

Land use	Previous Use Acres	Existing Acres	Postmining Acres
Cropland	0.0	0.0	0.0
Pastureland or occasionally cut for hay	0.0	0.0	0.0
Forestland	163.2	163.2	163.2
Commercial Forestland	0.0	0.0	0.0
Residential	9.0	9.0	9.0
Industrial/Commercial	110.7	110.7	110.7
Recreation	0.0	0.0	0.0
Fish and Wildlife habitat	0.0	0.0	0.0
Developed water resource	0.0	0.0	0.0
Unmanaged Natural habitat	0.0	0.0	0.0

- a. If the use of the land has changed within the last 5 years, identify the use prior to the change. If the land has been previously mined and not reclaimed, identify the use before it was mined to the extent that information is reasonably available.

Not applicable. The land use has not changed within the last five (5) years.

- b. Considering soil and foundation characteristics, topography, vegetative cover and hydrology, identify other uses each land use area is capable of supporting, premining and postmining.

Forestland - alternative uses both premining and postmining consist of Pastureland/LOCFH, Unmanaged Natural Habitat, Residential, Industrial/Commercial and Wildlife Habitat.

Industrial/Commercial - alternative uses both premining and postmining consist of Pastureland/LOCFH, Unmanaged Natural Habitat, Residential, Wildlife Habitat and Forestland.

Residential - alternative uses both premining and postmining consist of Pastureland/LOCFH, Unmanaged Natural Habitat, Wildlife Habitat, F Industrial/Commercial and Forestland.

- c. For any cropland, pastureland or land occasionally cut for hay, or commercial forest identify the crops grown and productivity expressed as average yield of food, fiber, forage or wood products. Use yield data or estimates for similar sites based on current data from U.S. Department of Agriculture or Pennsylvania Department of Agriculture. If any of these acres are “primary agricultural lands”, indicate the alternatives to this disturbance and the reason they were not deemed feasible.

Not applicable.

Land Use [§§ 87.68, 87.141, 87.142, 87.144, 87.145] (cont.)

- d. Identify existing land uses and land use classifications under local law for lands within and adjacent to the proposed permit area.

Not applicable

Vegetation [§§ 87.147-87.153, 87.155, 87.156]

Identify the extent of and type of natural vegetation and ground cover within the proposed permit area. If the permit area includes areas previously disturbed (and unreclaimed) by mining activities, identify the extent of ground cover of the existing vegetation on each previously disturbed area to be mined. Indicate the method used to determine extent of ground cover. If the postmining land use is fish and wildlife habitat, also identify the stocking and species composition of woody plants.

Acres	Previously Disturbed (yes/no)	Existing Cover Type	Method of Determination	Details

The permit area not identified as either Residential or Industrial/Commercial has 1005 ground cover of natural vegetation. Although portions of the permit area were previously affected the mining activities took place in the 1960's. All previously affected areas have returned to pre-mining conditions. The method of determination was onsite visual inspection of the area.

Reclamation Plan [§§ 87.68, 87.75, 87.159]

- a. Describe how each post-mining land use is to be achieved and the necessary support activities which may be needed to achieve the land use. If pastureland, explain the detailed management plans to be implemented. If cropland, identify the crops to be grown and the management plans to achieve the crop yield standards.

The post-mining land use of forestland will be achieved by planting a permanent ground cover. The ground cover will be deemed successful when not less than a minimum of 70% ground cover of permanent

plant species with not less than 1% of the area having less than 30% ground cover with no single or contiguous area having less than 30% ground cover exceeding 3,000 square feet has been established. In addition to the ground cover the land use of forestland will be considered successful when a minimum of 400 woody plant species per acre have been established. Necessary support activities will be supplemental planting of the ground cover mixture and/or woody plant species to meet minimum requirements.

The post-mining land use of Industrial/Commercial will be achieved when the site has been stabilized to prevent erosion or sediment runoff from the site during precipitation events. Post-mining access roads will be left in a manner which does not contribute to or cause erosion and/or sedimentation to the road surface or adjacent surface features.

Premining residential area will not be disturbed during the mining operation.

Reclamation Plan [§§ 87.68, 87.75, 87.159] (cont.)

- b. Describe the consideration given to consistency between the pre and post mining plans and the surface owner plans and applicable and existing state and local land use plans and programs.

Since the affected areas are being returned to their premining land use there will be no inconsistency between pre and post mining plans. It is at the surface owners request that the affected areas are being returned to premining land uses. There are no state and/or local land use plans or programs to be considered in the disturbed areas.

- c. A change in land use from pre to post mining is proposed. Yes No

If yes, provide the following information:

1. A notarized written statement from the owner of the surface (landowner) requesting that such alternative land use be approved and written comments from the landowner;
2. The written comments of the government agency or planning commission with statutory responsibilities for land use policies and plans;
3. A demonstration that the land use is reasonably likely to be achieved. The demonstration may be made by one or more of the following or other similar criteria: (1) plans which show the feasibility of the postmining land use as related to projected land use trends and markets and a schedule showing how the proposed use will be developed and achieved (2) If the land is being dedicated to a public agency to be used for public facilities, letter of commitment from that agency to provide the facilities; (3) documentation that the postmining land use will be practicable with respect to private financial capability for completion of the proposed use.

Not applicable.

- d. Are any structures to remain post-mining? Yes No

If yes, provide a description and consent from the landowner.

Final Grade and Drainage [§ 87.144]

Identify the final grading and drainage pattern, including topographic contours on Reclamation map and a description of compaction and stabilization techniques. Operations involving steep slopes (greater than 20°) must include a stability analysis.

The final grading will be returned to approximate original contour, with the drainage pattern achieving positive drainage from the site. Compaction and stabilization of the disturbed area will be achieved during the normal backfilling operation by the repeated passes of the dozers during the spreading of the overburden material. There are no areas of overburden removal involving steep slopes.

Modifications to Approximate Original Contour [§ 87.144]

Where the proposed final grade is other than approximate original contour, provide justification for the alternate reclamation proposal. Include a detailed description of the factors which prevent restoration to approximate original contour as well as plans and cross-sections which describes the alternate reclamation and demonstration that the proposed final contour is consistent with the proposed postmining land use. Alternate reclamation proposals for areas which have been previously mined and unreclaimed must include a demonstration of the environmental benefits of re-affecting the area.

Not applicable.