

Guidance for Mining Land Use Plan

A Mining Land Use Plan is defined in O.C.G.A. 12-4-70 of the Georgia Surface Mining Act as “an operator’s written proposal for accomplishing land use objectives on the affected land. The term shall include, but not be limited to, an operator’s plans prior to, during, and following active mining for erosion and sedimentation control, protection of properties on the National Register of Historic Places, grading, disposal of refuse, reclamation and revegetation, and the time of completion of the plan”.

What needs to be included in your Mining Land Use Plan?

The following are the minimum requirements:
(recommended to be submitted on separate sheets)

- **Cover Sheet**

- Name of Mine
- Mine Identification Number (EPD Issued)
- Emergency 24-Hour Contact
- Table of Contents (with page numbers)
- Legend if not on following sheets.
- Latitude and Longitude (same as application- decimal degrees)
- Location Map with nearest intersection.
- Identify any National Register of Historic Places within one mile of any portion of the proposed mine.

- **Boundary Sheet**

- Highlight/bold permit boundary (include undisturbed buffers and haul roads)
- Identify any undisturbed buffers. Ensure that undisturbed buffers do not include drainage features such as ditches, swales, piping or rip rap.
- Identify all property owners including immediately adjacent property.
- Identify the location and boundaries of jurisdictional and non-jurisdictional wetlands. **Wetlands shall be identified and delineated by a qualified consultant to determine extent and type of wetland. The individual’s qualification shall be noted. Please provide any correspondence from the Army Corp of Engineers regarding the request for jurisdictional determination for the property.
- Legend shall clearly explain all line types and symbols. Please include bar scale and north arrow.

- **Mining Plan Sheet(s)**

- Clearly mark boundaries (permit, undisturbed buffer, haul and wetlands if applicable).
- Clearly identify types of survey control (stakes, flags, etc.). Survey controls for buffers and permit boundary are expected to be differentiated.
- Boundary control table that identifies the color and type of survey control.
- Acreage summary table that includes acreage for the property, disturbed, undisturbed and haul road.
- Provide a not-to-scale example of identification sign for the entrance to the mine/property. Sign shall at a minimum include mine name, permittee name and permit number (once assigned).
- Provide current or existing contours with the date and source of topographic data. Please include contour values.
- Include all constructions including but not limited to scale house, processing plant, office, railroad spur and above ground storage tanks.
- Identify mine progression by using arrows, cells, rays or phases. If showing mine development using several sheets, EPD recommends using contours that will reflect topography of the mine at that moment in time. Please include contour values.
- Provide slope development during active mining, maximum grade of stockpile, maximum height of stockpiles, and maximum grade of pit walls and anticipated depth of pit.
- Identify any streams, lakes or ponds, drainage areas, flood prone areas, wetlands, vegetation and existing structures.
- Identify any major utilities and easements including but not limited to above buried power, gas, sewer and water. Please provide contact information of utility owner.
- Provide a brief description of any communities/lands potentially affected by mining operations and how potential spillover effects will be mitigated, including but not limited to dust and noise.

- **Erosion and Sediment Control Plan Sheet(s)**

- Identify permit boundary, legend, north arrow, bar scale, undisturbed buffers between permit boundary and mining area.
- Include all Best Management Practices (BMPs) to control erosion which include but is not limited to the following: sediment basin (Sd3), construction exit (Co), sediment barrier (Sd1), undisturbed buffer (Bf-U), disturbed area stabilization (Ds1, Ds2, Ds3, Ds4), dust control (Du), diversion ditches (Di) and brush berms.
- Specify on sheet if any storm water will be discharged from the mine or if it will remain within the property boundary.
- Describe how exposed surfaces will be stabilized with temporary vegetation. Specify type of vegetation and when it will be planted.

- **Reclamation Plan Sheet(s)**

- Include the following notes:
 - All slopes will be reclaimed to 3:1 or flatter.
 - The entire mine pit will be filled or will be left as a lake and will be permanently vegetated.
 - All mining equipment and refuse will be removed from the mine in accordance with state rules and regulations.
- Provide the estimated final contours indicating the topography of the reclaimed mine and/or pond. Please include contour values.
- Provide a cross section trace through the permitted area that includes the final pond(s) and shore(s).
- For areas not converted into pond(s), clearly show where vegetation will be planted. Specify the type of vegetation, types of fertilizers required and fertilization rates and times. Include schedule indicating time of planting, active growing season and stable, mature growth.
- State if a feature (building, haul road, sediment pond, etc.) will remain on the property after reclamation.

If you have any questions, please contact the Surface Mining Unit at 404-362-2692.

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Date