

DEMLR Mining Program Map Requirements & Application Checklist

Statutory references

- Information Required in Permit Application - 15A NCAC 05B .0104
- Mining Completeness Review - 74-51(b1)(1)
- Mining Denial Criteria - 74-51(d)(1) through (7)
- Mining Permit Conditions - 74-51(f)
- Mining Reclamation Plan - 74-53 & 15A NCAC 05B .0104

Completeness Review - 74-51(b1)(1)		X
1)	Has the application been filled out and submitted?	
	<i>Application questions address:</i>	
	• Contact Information • General Site Location Information • General Characterizes of the Mine • Questions regarding the protection of Natural Resources. • Questions regarding the Reclamation Plan	
2)	Have Mine Maps been provided?	
3)	Has the Land Entry Agreement been submitted?	
4)	Has application fee has been paid?	
For New applications or Modifications adding land to the permit.		
5)	Has notification of the application been provided to adjoining landowners? • Proof of notification (certified mail receipts) • Affidavit of Notification	

Technical Review		
	Map Requirement (15A NCAC 05B .0104)(c)	X
a)	Property lines of the tract or tracts of land on which the proposed mining activity is to be located including easements and rights-of-way.	
b)	Existing or proposed permit boundaries with geographic controls (e.g. metes and bounds, coordinates) labeled	
c)	Initial and ultimate limits of clearing and grading	
d)	Outline and width of all buffer zones (both undisturbed and unexcavated)	
e)	Outline and acreage of all pits/excavations	
f)	Outline and acreage of all stockpile areas	
g)	Outline and acreage of all temporary and/or permanent overburden disposal areas	
h)	Location and acreage of all processing plants (may be described as to location and distance from mine if sufficiently far removed)	
i)	Locations and names of all streams, rivers, and lakes	
j)	Outline and acreage of all settling and/or processing wastewater ponds	
k)	Outline and acreage of all planned and existing access roads and on-site haul roads	
l)	Location of planned and existing on-site buildings	
m)	Location and dimensions of all proposed sediment and erosion control measures	
n)	Location of 100-year floodplain limits and wetland boundaries	
o)	Names of owners of record, both public and private, of all tracts of land that are adjoining the mining permit boundary; if an adjoining tract is owned or leased by the applicant or is owned by the lessor of the mine tract, names of owners of record of tracts adjoining these tracts that are within 1,000 feet of the mining permit boundary must be provided on the mine map.	

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p)	Names of owners of record, both public and private, of all tracts of land that are adjoining the mining permit boundary which lie directly across and are contiguous to any highway, creek, stream, river, or other watercourse, railroad track, or utility or other public right-of-way. If an adjoining tract is owned or leased by the applicant or is owned by the lessor of the mine tract, names of owners of record of tracts adjoining these tracts, that are within 1,000 feet of the mining permit boundary, must be provided on the mine map(s). NOTE: "Highway" means a road that has four lanes of travel or less and is not designated as an Interstate Highway.	
q)	Map legend	
q1)	Applicant name	
q2)	Mine name	
q3)	North arrow	
q4)	County	
q5)	Scale	
q6)	Symbols used and corresponding names	
q7)	Date prepared and revised	
q8)	Name and title of person preparing map	

Application information (15A NCAC 05B .0104) & 74-51		X
05B .0104(a)(4)	Acreage Table	
05B .0104(a)	Sequence of Mining operations	
74-51(d)(6)	Locate and Label of all E&SC with cross sections and construction details.	
74-51(d)(3)	Location of all discharge points (with stabilization)	
74-51(d)(2)	Wells within 500' of excavation	
74-51(f)	Buffer Locations to neighboring land.	
74-51(d)(3)	Buffer location to waterways/wetlands	
74-51(d)(6)	Cross Section of fill (berms, waste, etc.) with benching information	
74-51(d)(6)	Cross section of cut slopes (pit)	
74-51(d)(4) & (6)	Location of structures 300' from excavation	
74-51(d)(6)	Cross Section / Construction detail for barricade to pit.	
74-51(f)	Location and cross section of all screening (berms, trees)	
74-51(d)(4)	Location of nearest off-site occupied structure to excavation (Explosives related)	
74-51(d)(2)&(3)	Location of fuel storage, solvents, reagents.	
05B .0104(b)	Reclamation map	
05B .0104(b)	Cross sections of permanent channels	
05B .0104(b)	Scaled Cross Section of any bodies of water	
05B .0104(b)	Construction details and locations of permanent barricades.	
05B .0104(b)	Final cross sections of fill, overburden, waste	
05B .0104(b)	Remaining roadways and details on road and ditch stabilization	
05B .0104(b)	Temporary and Permanent offsite waste locations list of items.	
74-50(b1)	Certified Mail Green Cards	
05B .0104(d)(3)		
05B .0104(d)(1)	Easement right of way agreement	

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Property & Boundary Information - 05B .0104(d)(1)

- Property Lines — Property lines of the tract or tracts of land on which the proposed mining activity is to be located including easements and rights-of-way.
- Permit Boundaries — Existing and proposed boundaries with geographic controls (property line, metes & bounds, coordinates)
- Adjoining Owners — Names of owners of record, both public and private, of all tracts of land that are adjoining the mining permit boundary; if an adjoining tract is owned or leased by the applicant or is owned by the lessor of the mine tract, names of owners of record of tracts adjoining these tracts that are within 1,000 feet of the mining permit boundary must be provided on the mine map.
- Owners Across ROWs — Names of owners of record, both public and private, of all tracts of land that are adjoining the mining permit boundary which lie directly across and are contiguous to any highway, creek, stream, river, or other watercourse, railroad track, or utility or other public right-of-way. If an adjoining tract is owned or leased by the applicant or is owned by the lessor of the mine tract, names of owners of record of tracts adjoining these tracts, that are within 1,000 feet of the mining permit boundary, must be provided on the mine map(s). NOTE: "Highway" means a road that has four lanes of travel or less and is not designated as an Interstate Highway.
- Easement details if applicable
- Certified mail receipt copies from noticing adjoining neighbors

Limits of Disturbance - 05B .0104 (a) - 74-51(d)(2)&(3)&(6)

- Initial & Ultimate Clearing Limits
- Buffer Zones — Undisturbed & Unexcavated, with widths labeled
- Buffers to Neighboring Land
- Buffers to Waterways/Wetlands
- Structures Within 300 ft

Mining Features - 05B .0104 (a) - 74-51(d)(6)

- Outline & Acreage of the Pit/Excavation
- Cut Slope Cross Sections (pit)
- Pit Barricade Details — Cross section/construction detail
- Location of and Distance to Nearest Off-Site Occupied Structure — For explosives compliance

Overburden, Waste & Fill - 05B .0104 (a) - 74-51(d)(6)

- Outline & Acreage of Overburden Disposal Areas — Temporary & permanent
- Fill Cross Sections (berms, waste, etc.) — Including benching information
- Final Waste/Fill Cross Sections
- Off-Site Waste Locations — Temporary & permanent, list of items
- Permanent Barricades — Locations & construction details

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Stockpiles, Plants & Processing - 05B .0104 (a) - 74-51(d)(2)&(3)

- Outline & Acreage of Stockpile Areas
- Processing Plants — Location & acreage or distance from mine if sufficiently far removed
- Fuel, Solvent & Reagent Storage – Specify inventory and location on mine map

Roads & Access - 05B .0104 (a)

- Access Roads — Planned & existing, outline & acreage
- On-Site Haul Roads

Water, Floodplains & Wetlands - 05B.0104 (c) - 74-51(d)(2)&(3)

- Streams, Rivers & Lakes — Locations & names
- Wastewater/Settling Ponds — Outline & acreage
- 100-Year Floodplain
- Wetland Boundaries
- Scaled Cross Sections of any bodies of water
- Permanent Channel Cross Sections
- Wells Within 500 ft

Erosion & Sediment Control - 74-51(d)(6)

- Dimensions & Locations of all proposed E&SC measures
- Location and labels for all E&SC with cross sections/construction details
- Location of Discharge Points with Stabilization

Screening & Visual Barriers -74-51(f)

- Location and cross sections of all screening/visual barriers — Berms, trees, etc.

Reclamation - 05B.0104 (b)

- Reclamation Map — Final contours, vegetation, drainage, and stabilization
- Remaining Roadways — Stabilization details for roads & ditches

Required Map Elements - 05B.0104 (c)

- Map Legend
- Applicant Name
- Mine Name
- County
- North Arrow
- Scale
- Symbols used and corresponding names
- Date prepared and revised
- Name & Title of person preparing map
- Acreage Table
- Sequence of Mining Operations