

**Wisconsin Department of Natural Resources
Nonmetallic Mining Permit
Application Supplement**

GENERAL PROJECT INFORMATION

OPERATOR MUST COMPLETE THIS FORM. Please type or print in black ink. Attach comprehensive plans, maps, cross-sections, narrative descriptions, etc. as appropriate. See the *Operator's Guide to Nonmetallic Mining* for detailed information about the application packet requirements. Drawings and maps which are color-coded reproduce poorly and are not acceptable. If maps or drawings are larger than 8½" by 11", six copies must be submitted. Otherwise, submit only the original documents, keeping copies for your files.

If your project is a connected enlargement or grading project, enter the name and address of the secretary of any property owners' association pertaining to the affected waterway. If there is no such association, enter the names and addresses of 5 persons who own real property located adjacent to the waterway. If fewer than 5 persons own real property adjacent to the waterway, enter names and addresses of those persons.

1.

2.

3.

4.

5.

Briefly describe the existing physical and natural conditions of the site, including types of vegetative cover.

Elevation of the bottom of the nonmetallic mineral deposit _____ ft.

Distance from the excavation to the nearest public road?

Distance from the excavation to the nearest residence?

Distance from excavation to nearest navigable water?

What is the datum of benchmarks used for elevation reference?

Is the project site located in the floodplain of a stream? Yes___ No___

Is the project site located in or adjacent to a wetland? Yes___ No___

Describe existing topography (i.e., level, steep hill, gentle slope).

Describe existing land use on project site (i.e., vacant, farming, etc.).

Describe abutting land use.

Describe and show on plans the soil and geologic composition, including topsoil depth, of the project site. Also describe and show the location of boring or test holes taken to identify the type of material and size of the deposit.

Describe and show on plans the location, dimensions, and elevations of surface waters within or adjacent to the project.

Describe and show on plans the elevation of groundwater throughout the project site.

Describe and show on plans the location of manmade features within the site.

Describe and show on plans the nature and extent (dimensions) of any existing excavations, dimensions and quantities of stockpiled materials, topsoil and refuse in the site.

Describe and show on plans the location of both temporary and permanent haulage ways (roads) including the length, width, side slopes, and elevations of the roads.

Describe and show on plans any known historical and archaeological features.

Provide a legal description of all land within the site that the applicant owns, leases, or has an option to purchase or lease. Copies of deeds, options to purchase, and leases must be attached.

What will the excavated material be used for (e.g. road construction, asphalt, ready mix, cement blocks, cement pipe)?

Describe any investigation conducted to identify upland alternative nonmetallic mining sites. What efforts were made to obtain the material? What was the estimated volume of material to be extracted? Provide adequate documentation for these estimates.

OPERATION PLANS

Proposed depth of excavation (in feet):

Number of acres to be disturbed, including haulage ways, processing areas, storage areas, etc.)

Anticipated duration of mining (in years):

Anticipated starting date (month/day/year):

Normal months of operation:

Normal hours of excavation:

Days of the week excavation will usually take place:

Type of machinery to be used:

Will there be gravel washing or crushing operations on the site? Yes ___ No ___
If yes, describe the operation:

If yes, how many cubic yards of gravel will be stockpiled at any one time?

Are any buildings to be constructed on site? Yes _____ No _____

If yes, describe:

(Indicate building locations on attached drawings and maps.)

RECLAMATION PLAN

How will you screen the operation from view along waterways, property lines, roads and highways?

Describe the specific seed mixture, quantities and species you will use.

Describe fertilizer and mulch to be applied:

Will any final slopes be steeper than 3 feet horizontal to 1 foot vertical? Yes__ No__
If yes, explain reasons:

How large an area will be excavated before reclamation begins? _____ (acres, sq. ft.)

Total estimated cost for reclamation of project site: \$_____.00.
(Reclamation Costs Estimate form must be attached.)

Basis for estimation:

Will an artificial pond be created? Yes ___ No ___

a. If yes, what will the average depth be? _____

b. Maximum depth? _____

c. Size in acres? _____

d. Will the pond be subject to flooding? Yes ___ No ___

e. Will any final slopes in the pond be steeper than 3' horizontal to 1' vertical?

Yes ___ No ___

If yes, explain reasons:

OPERATOR INFORMATION

Operator's name:

Operator's title:

Company's name:

Company address:

Telephone, with area code (daytime)

Telephone, with area code (nights)

I acknowledge my continuing responsibility for restoration and revegetation of the project site until stabilization has been determined adequate by the Department of Natural Resources.

Operator's signature:

Date:

Reclamation Costs Estimate

Complete each blank or enter N/A

Activity or Purchase	# Acres or N/A	Cost/Acre or N/A	Total Cost
Recontouring			
Spoil bank area, side slopes and floor			
Equipment costs (grader, bulldozer, etc.)			
Recontouring topography of excavated area			
Topsoil (dry vs. wet gravel pit)			
Topsoil and Subsoil			
Topsoil stripping			
Topsoil replacement			
Purchase of additional topsoil			
Respreading and recontouring subsoil			
Equipment cost to spread topsoil			
Miscellaneous grading of spoil piles			
Preparation and Revegetation			
Equipment cost for seedbed preparation (discing, harrowing, and related groundwork)			
Mulch purchase and application			
Costs for purchasing and planting shrub and tree seedlings			
Construction of settlement basins, silt fence, filter cloth, rock riprap, etc.			
Cost for stabilization of topsoil storage piles (temporary and final)			
Cost for reseedling, if first seeding fails			
Cost of temporary erosion control measures			
Total Acres Involved in Reclamation			
Total Reclamation Costs			