

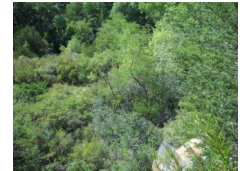
New Nonmetallic Mine Development

Once demand for a resource has been recognized, there are several steps that must be taken prior to extracting material. Bay Environmental Strategies, Inc. (BAY) can help you through these steps to identify and develop a new nonmetallic mine operation.



Identification & Quantification of New Deposits

Finding and evaluating potential nonmetallic mine deposits prior to development allows the operator insight to the economic value of the deposit, as well as, reduces unforeseen future liabilities that may hinder development. BAY can evaluate the potential resource by:



- Determining overburden thickness & quantity
- Determining vertical & horizontal extent of deposit
- Identifying environmental sensitive areas- wetlands, waterways, etc.
- Identifying permits, zoning changes, setbacks
- Identifying potential groundwater issues
- Performing or evaluating for durability testing/sieve analysis
- Evaluating/identifying Chapter 30 or NR 135 permitting pathways
- Registering nonmetallic mine sites



Reclamation Planning & Zoning Changes/Modifications

The reclamation planning process normally goes hand-in-hand with the required zoning modifications. The reclamation planning can go in two directions, depending on the specific situation. If the mine is located near a navigable waterway, the permitting process may be regulated by Wisconsin Statute Chapter 30. Otherwise, the process would be permitted through Wisconsin Administrative Code (WAC) NR 135. In any situation, BAY can provide turnkey services through the permitting process by:

- Writing the reclamation plan & permit application
- Submitting zoning change/modification applications
- Providing guidance and participating in public meetings (Town and County Board)
- Wetland delineations
- Land surveying

Other Helpful Resources

In addition to those services described above, BAY can also assist you with:

- Air permitting
- Storm & wastewater permitting
- Storm Water Pollution Prevention Plans
- Wetland mitigation
- Environmental Site Assessments, Phase I and II