NONMETALLIC MINING RECLAMATION PERMIT

Permit is issued under the Chippewa County Nonmetallic Mining Reclamation Ordinance and Wisconsin Administrative Code NR135.

Operator: Haas Sons, Inc.

Owner: Haas Sons Properties

Permit Number: 2012-06

Date: January 5, 2017

Permit Conditions

1. Standards & Implementation
   a. All mining and reclamation shall be conducted in compliance with the reclamation plan that is comprised of the following documents:

      i. A reclamation plan narrative titled "Non-metallic Mining Reclamation Plan Narrative," received August 26, 2016.

      ii. Three (3) 11" x 17" maps titled "Initial Site Map", "Site Operations Map", and "Final Site Map"; all received August 26, 2016.

   b. All mining and reclamation shall be conducted in compliance with all provisions and standards of the Chippewa County Nonmetallic Mining Reclamation Ordinance and Wisconsin Administrative Code NR135.

   c. All mining and reclamation shall be conducted so that they meet or exceed provisions of Reclamation Standards for Non-Metallic Mines in Chippewa County (July 2007).

   d. Prior to commencing any mining activity, the Operator shall obtain all required permits and legal authorizations including, but not limited to, those required to protect public health and safety under all applicable federal, state, or municipal jurisdictions.

2. Financial Assurance
   a. The Operator shall provide adequate Financial Assurance in the form of Surety Bond or Irrevocable Letter of Credit meeting the requirements of the Chippewa County Nonmetallic Mining Reclamation Ordinance and NR135.40 to the Chippewa County Department of Land Conservation & Forest Management (hereinafter the "Department") prior to beginning any site excavation activities.

   b. The amount of financial assurance shall equal as closely as possible the cost to the Department of hiring a contractor to complete reclamation according to the approved reclamation plan. The amount of financial assurance shall be initially approved and periodically reviewed by the Department to assure it equals the current estimated reclamation costs.

3. Size & Scope
   a. The total permitted mine site is 58 acres as depicted in the "Initial Site Map" map. The mine site includes all areas of nonmetallic mineral extraction, haul roads, stormwater ponds, soil berms, and other areas meeting the definition of "nonmetallic mining site" or "site" in the Chippewa County Nonmetallic Mining Reclamation Ordinance.

   b. The excavated floor elevation of the mine shall be no lower than the elevations shown in the "Final Site Map" map (elevation 982 MSL). The excavated floor elevation of the stormwater ponds shall be no lower than the elevations shown in the "Details" (elevation 970 MSL).

   c. Changes to the areal extent or depth of the mine as documented in the Reclamation Plan, or any changes to the operation that may affect the capacity to meet reclamation standards of NR 135 and the Chippewa County Nonmetallic Mining Reclamation Ordinance, shall require a revised Reclamation Plan and permit modification under NR 135.24.

4. Stream & Wetland Protection
   a. A 100 foot buffer shall be established around each mapped wetland. No mining or mining related activities shall be permitted within this buffer. This buffer shall be monumented with permanent markers (such as fence posts) for the life of the mine.

5. Stormwater Management
   a. The Operator shall obtain a Wisconsin Department of Natural Resources WPDES Runoff Discharge permit for mining operations. The Operator shall provide the Department with a copy of this permit prior to beginning any site excavation activities.

   b. The Operator shall fully comply with the terms of the Wisconsin Department of Natural Resources (DNR) WPDES Runoff Discharge Permit WI-A046515-6 (general permit of nonmetallic mining operations) and any subsequent permit revisions.

   c. In the event that stormwater runoff exceeds the capacity of the stormwater management system and stormwater runoff leaves the mine site, the Operator shall immediately contact the Department.

   d. All storm water facilities shall be routinely inspected and maintained to assure the facilities continue to function as designed.

   e. Sediment shall be removed from the bottom of storm water ponds on a regular basis and as needed to restore the storage capacity and the function of the facility as designed. Sediment removed from stormwater ponds shall be stockpiled, seeded, stabilized, and used in mine site reclamation.

   f. Whenever changes to the stormwater management system are proposed, or required the Operator shall provide documentation including computations to show that the changes to the stormwater management system will meet the design requirements. This information shall be submitted to the Department for review and approval prior to construction of the changes.

6. Site Clearing
   a. All topsoil and subsoil in disturbed areas shall be systematically and individually stripped and stockpiled for future use in reclamation. The location of these stockpiles shall be identified with permanent signage and shall be identified on a map that shows the location of all topsoil and subsoil stockpiles. This map shall be submitted to the Department upon request.

b. No topsoil, subsoil, or overburden shall leave the site during the entirety of the site operations.

c. The burning of stumps, or any other material at the mine site, is prohibited. All residual woody biomass that is the byproduct of timber harvesting, excluding stumps, shall be retained, chipped, and when practical, composted on site, to be used as a soil amendment during final reclamation.

d. The Department shall be contacted at least 72 hours prior to commencement of any new land clearing or stripping activities at the mine site.

7. Solid Waste & Spills
   a. The import, storage, disposal, or use in reclamation of any solid waste, recyclable materials, or nonmetallic mine refuse generated outside the mine site is subject to the registration provisions of Chapter 30-77 of the Chippewa County Nonmetallic Mining Reclamation Ordinance.

   b. The import, storage, disposal, or use in reclamation of any solid waste, recyclable materials, or nonmetallic mine refuse generated outside the mine site shall be limited to the materials and quantities identified in the reclamation plan or administrative plan amendments.

   c. The Department shall be contacted immediately in the event of a hazardous waste spill, fuel spill, or other incident that could in any way negatively affect groundwater or surface water.

8. Post-Mining Land Use
   a. The mine site and permitted area shall be systematically mined and reclaimed using a process of contemporaneous reclamation. The mine site will be reclaimed for the purpose of establishing the post mining land uses of Low Density Residential Housing Development and Wildlife Pond Habitat, as shown on the "Final Site Map" map in the reclamation plan.

   b. The completion of successful reclamation shall be determined through physical site inspections. In making the determination of successful reclamation, the Department may take into account other supporting including information provided by the Operator, and information generated from onsite test plots or from other areas of the mine site that have been previously reclaimed.

   c. The success of areas undergoing reclamation shall be determined by the Department using the performance measures defined in the reclamation plan, and any standardized evaluation criteria adopted by the County. The success and sustainability of the site reclamation and the attainment of the post mining land use will be measured and evaluated over a 10 year performance period commencing upon completion of site grading, soils application, and completion of site seeding or planting.

   d. The duration of the performance period may be reduced, at the discretion of the County, if all evaluation criteria have been met.

   e. The success of reclamation during the performance period will be based on the following criteria:
      i. Site stability
      ii. Plant density and species diversity
      iii. Soil chemistry and fertility
      iv. Type and amount of soil organic matter
      v. Other alternative criteria, as agreed to by the permitted mine operator and County

f. Upon completion of the performance period, the Department will determine if the reclamation for that portion of the mine is complete and if the planned post mining land use has been successfully achieved. If reclamation is determined not to be complete, the performance period will be extended. Reclamation will not be certified if the Department makes a determination that the post mining land use has not been achieved in compliance with the standards for reclamation as established in NR 135 subchapter II including the general standards, and standards for groundwater, surface water, and wetland protection.

g. Upon receiving certification of completion that reclamation is complete for any part of the mine the Operator may propose to change the mine boundary following the permit modification process established in NR 135.24 to remove reclaimed parcels from the reclamation permit.

   i. Upon certification of site reclamation and release from the reclamation permit, all future land use decisions shall be at the discretion of the landowner and shall comply with all applicable laws, ordinances, and administrative rules that may apply to the use of the land at the time of release.

h. Agricultural lands within the permitted mine boundary shall be managed in accordance with all applicable local, state, and federal laws.

i. The agricultural producer and mine Operator shall, before March 15, 2018, develop a nutrient management plan that meets the specifications of WI NRCS Technical Guide Standard 590.

j. The nutrient management plan shall be implemented by the responsible agricultural producer(s) to assure that agricultural operations meet or exceed state agricultural nonpoint pollution control standards, as specified in WI Admin. Rule NR 151. The agricultural producer(s) and mine Operator shall report and certify on an annual basis that the nutrient management plan is being followed and that the agricultural pollution control standards are being met.

9. <u>Permit Evaluation and Amendments</u>

   a. The Department shall periodically evaluate the extent of contemporaneous reclamation achieved, the extent of compliance with reclamation standards, and the effectiveness of the conditions that have been placed to achieve the reclamation standards.

   b. The Department may allow for design variations and may amend or alter operational conditions that do not significantly alter the scope of the reclamation plan or the reclamation permit issued under the authority of Sec. 30-105 of the Chippewa County Non-Metallic Mining Reclamation Ordinance.

   c. All permit alterations or amendments shall be mutually acceptable and agreed to by the Department and by the Operator.

As the Operator I hereby acknowledge and agree to the above permit conditions.

Philip Haas — 1-31-17

Signature — Date

Philip — 1-31-17

Printed Name - Operator — Title

Permit approval by Department of Land Conservation & Forest Management

Christien W Huffert — 1-31-17

Signature — Date

CHRISTIEN HUFFERT — PROJECT ENGINEER

Printed Name - Authorized Staff — Title