

NONMETALLIC MINING RECLAMATION
ADMINISTRATIVE PERMIT AMENDMENT

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

Operator: Northern Sands, LLC

Landowner: Kenneth & Sue Anderson, Ronald Anderson, John Bethmann & Nan Torgerson Bethmann, Robert & Lana Christoffel, Harvey & Audrey Dreger, Raymond Dreger, Beverly Geissler, Daniel Geissler, Alan & Judith Grossmeier, Lee & James Jensen, James & Rebecca Kiesow, Sherry Lemler, Daniel Rothbauer, Robert & Karla M Rasmussen Trust, Daniel Svec, Donald & Colleen Schwartz, Olav & Gail Svec Trust

Permit Number: 2015-01

Date: August 8, 2016

It is mutually agreed by Chippewa County and Northern Sands, LLC that Non-Metallic Mine Reclamation Permit #2015-01, dated November 18, 2015, be amended to establish clear dates for the initiation and completion of site specific hydrologic and biologic inventories required under Permit Conditions 3.d.(iii), 4.a.(ii), 4.b.(iii), 4.d., 4.h., 11.e.(iv), and 11.g.

It is also mutually understood that to advance these inventories, consultants will be retained by September 15, 2016, and study designs will be completed and submitted to the Chippewa County Dept. of Land Conservation & Forest Management by October 15, 2016.

Amended Permit Conditions

3. Size & Scope

- d.(iii) The biological assessment and field work for Phase 1 of the mine shall commence by October 15, 2016, with a written report of findings to be completed and submitted to the Department by December 31, 2017

4. Stream, Stream Corridor & Wetland Protection

- a.(ii) This baseline hydrologic inventory shall commence by October 15, 2016, with a written report of findings to be completed and submitted to the Department by December 31, 2017.
- b.(iii) The site specific hydrologic assessment and field work for Phase 1 of the mine shall be commence by October 15, 2016, with a written report of findings to be completed and submitted to the Department by December 31, 2017.

- d. A continuous riparian corridor and vegetative buffer shall be established to prevent environmental pollution and meet standards for surface water and wetland protection, as established in NR 135.07. The buffer shall be established to be 100 feet from the boundary of wetlands and centerline of watercourses with defined bed and banks. No mining or mine-related activities are permitted within this buffer. Pre-existing agricultural uses including cultivated cropland fields and agricultural pastures shall be allowed within the buffer. The wetland buffer shall be monumented with markers for the life of the mine.

A map of the riparian corridor and vegetative buffers will be prepared to prevent environmental pollution during the life of the mine. Field work shall commence by October 15, 2016, with maps and a report of findings to be completed and submitted to the Department by December 31, 2017.

- h. All wetland delineations shall be completed and a written report submitted to the Department for review prior to beginning mining activities in any phase. The report shall include a map that shows the delineated boundary of the wetlands. The wetland delineation field work for Phase 1 of the mine shall commence by October 15, 2016, with a written report of findings to be completed and submitted to the Department by December 31, 2017.

11. Site Reclamation & Post-Mining Land Use

- e.(iv) The field work required for the development of this plan shall commence by October 15, 2016, and a written plan shall be completed and submitted to the Department by December 31, 2017.
- g. For agricultural fields that remain in production, the agricultural producer and the Operator shall develop a nutrient management plan that meets the specifications of WI NRCS Technical Guide Standard 590 for all agricultural fields that will remain in production. Field work shall commence by October 15, 2016, and nutrient management plans shall be completed and submitted to the Department before April 1, 2017.

I acknowledge that I have been assigned authority as provided by Northern Sands, L.L.C. (the "Operator"), to act on behalf of the Operator.

I further acknowledge that as the authorized agent of the Operator, that I have read, understand, and agree that the operator be bound by the above permit amendment.



Signature

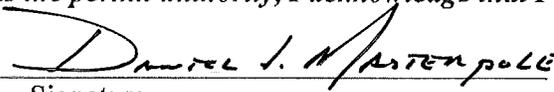
2/10/16

Date

John Robert Behling

Attorney at Law

As the permit authority, I acknowledge that I approve the permit amendment.



Signature

2/11/16

Date

Dan Masterpole

Dept. Director/County Conservationist