

NONMETALLIC MINING RECLAMATION PERMIT ADDENDUM

This permit addendum 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 Svee, Donald & Colleen Schwartz, Olav & Gail Svee Trust

Permit Number: 2015-01

Date: February 4, 2016

Permit Conditions 5.o., 5.p., & 5.q. shall be added to the Non-Metallic Mining Permit #2015-01, dated November 18, 2015 as follows:

5. Stormwater Management

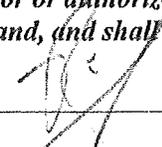
- o. The Operator shall sample each stormwater pond once a year for two years to establish baseline information on the water chemistry in the stormwater ponds. This testing shall occur at the beginning of each mine phase. These samples shall be tested for the presence of pH, nitrates, chloride, aluminum, antimony, arsenic, barium, beryllium, boron, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, molybdenum, nickel, potassium, selenium, silver, sodium, strontium, thallium, titanium, vanadium, and zinc. The Operator shall provide a copy of these test results to the Department as part of the annual Reclamation Report & Activities Plan.
- p. The analytical test methods and procedures for stormwater testing under permit condition 5.o. shall comply with Wisconsin Administrative Code NR 219 or alternative test methods proposed by the Operator and agreed to by the Department.
- q. To monitor the water quality of the stormwater ponds during mining over time, the Operator shall develop a Stormwater Sampling and Testing Plan based on the information collected under permit condition 5.o.. The Stormwater Sampling and Testing Plan shall be implemented to monitor the water chemistry in the stormwater ponds and be applied to meet stormwater discharge requirements as they may apply under any state stormwater permits. The Stormwater Sampling and Testing Plan shall be submitted to the Department for review and approval on or before March 31, 2018 or by an alternative date as mutually agreed to by the Operator and the Department.

Permit Condition 7.f. of Non-Metallic Mining Permit #2015-01, dated November 18, 2015 shall be eliminated and replaced as follows:

7. Water Quality

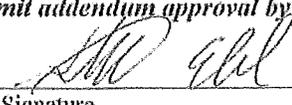
- f. To monitor the groundwater quality during mining and reclamation operations and for the reclaimed post-mining land use the Operator shall conduct groundwater sampling and testing for the constituents listed in condition 7.c. of this permit annually for the life of the mine until final reclamation is certified by the Department.

As the Operator or authorized representative of the Operator, I hereby acknowledge that I have read, understand, and shall be bound by the above permit addendum.



Signature
Date 2/25/16
Paul van Eijl Northern Sands LLC President
Printed Name - Operator Title

Permit addendum approval by Department of Land Conservation & Forest Management



Signature
Date 2-5-2016
Seth Ebel Project Engineer
Printed Name - Authorized Staff Title