

Summary for Nonmetallic Mining Operations General Permit WI-0046515-5

STORM WATER CONTAMINANT CONTROL REQUIREMENTS

1. Nonmetallic mining (NMM) operations, that have Department concurrence that their storm water contains only earthen materials from NMM operations and **the storm water is seeped into the ground within the mining site in areas that are not regulated wetlands**, are required to have the following as specified in Part 3 of the permit:
 - Source Area Pollution Prevention and Storm Water Treatment Best Management Practices; and
 - Annual Facility Site Compliance Inspections (AFSCI).
2. As specified in Part 3 of the permit, NMM operations that have storm water contact with overburden, raw material, intermediate product, finished product or waste material and have storm water **drainage off the mining site or to an on-site surface water resource (such as a NR 103 regulated wetland)** shall be operated in compliance with a Storm Water Pollution Prevention Plan (SWPPP) as detailed in the general permit. All concrete product operations within the NMM site and portable NMM groups shall also be operated in compliance with a SWPPP.
 - Development of **SWPPP** and Certification of SWPPP Completion:
 - Existing NMM operations should review the SWPPP to insure the plan meets the reissued permit requirements. Department notification is required for SWPPP amendments (see part 3.5)
 - New NMM operations shall comply with the SWPPP requirements of this permit and shall submit a SWPPP certification to the Department prior to initiating NMM activities that result in a discharge of storm water to surface waters or to a natural wetland.
 - **Quarterly Site Compliance Inspections** of storm water controls. (*Demonstrations supporting a waiver to an annual inspection frequency or to an alternate schedule for inactive sites with no material stockpiles must be submitted as part of SWPPP certification.*)
 - **Quarterly Visual Inspection** of storm water runoff quality soon after a storm event. (*Can be waived in certain instances as specified in permit parts 3.7.2 & 3.7.3. Submit justification as part of the SWPPP certification.*)

MINING PROCESS WASTEWATER REQUIREMENTS

As specified in Parts 4 & 5 of the permit, mining process wastewater discharges have monitoring and reporting requirements. Samples shall be representative of the mining wastewater discharge to surface waters or to seepage.

1. Monitoring requirements for mining process wastewater discharges to seepage (to groundwater):
 - Quarterly discharge flow monitoring (estimate typical day seepage into the earth), except
 - *Monthly* monitoring for 12 months following a month with a discharge greater than 200,000 gal/day.
 - Annual oil & grease monitoring, except
 - *Quarterly* monitoring for 4 quarters beginning the quarter following a sample result above 15 mg/L, and
 - *Further annual samples waived* if the first year (after June 2009) sample result is less than 7.5 mg/L.
2. Monitoring requirements for mining process water **discharges to surface water resources**:
 - Quarterly discharge flow monitoring (total gallons per typical day and number of days of discharge), except
 - *Monthly* monitoring for 12 months following a month with a discharge flow greater than 200,000 gal/day.
 - Quarterly total suspended solids monitoring, except
 - *Monthly* monitoring using a 3 grab composite sample for 12 months beginning the month following a sample result above 40 mg/L.
 - Quarterly pH monitoring for concrete product operations, except
 - *Annual* monitoring if four consecutive quarterly samples are within the range of 6.7 to 8.3 std. units.
 - Annual pH monitoring for nonmetallic mining operations, except
 - *Further annual samples waived* if the first two annual (after June 2009) samples are within the range of 6.7 to 8.3 std. units.
 - Annual oil & grease monitoring, except
 - *Quarterly* monitoring for 4 quarters beginning the quarter following a sample result above 15 mg/L, and
 - *Further annual samples waived* if the first year (after June 2009) sample result is less than 7.5 mg/L.
3. **Annual monitoring reports** shall be submitted to the Department by **February 15th**, each year for mining wastewater discharges during the previous calendar year. An impaired waters/TMDL check (part 2.5) is required each year.