

**Division of Energy, Mineral and Land Resources /
Land Quality Section – Stormwater Permitting Program**

National Pollutant Discharge Elimination System

NCG020000

FOR AGENCY USE ONLY		
Date Received		
Year	Month	Day
Certificate of Coverage		
N	C	G 0 2
Check #	Amount	
Permit Assigned to		

NOTICE OF INTENT – General Permit Application

National Pollutant Discharge Elimination System application for coverage under General Permit NCG020000:

STORMWATER AND/OR WASTEWATER DISCHARGES associated with activities classified as:

SIC (Standard Industrial Classification) Code - 14XX Mineral Mining Industry (except as specified below) and like activities

The following activities are included:

- Active or inactive mining operations (including borrow pits—*except for NCDOT borrow pits*) that discharge stormwater contaminated with or that has come in contact with, any overburden, raw material, intermediate products, finished products, byproducts or waste products located on the site of such operations;
- Stormwater from vehicle maintenance activities (VMA) at mining operations;
- Overflow from facilities that recycle process wastewater; and/or
- Mine dewatering (wastewater)

The following activities are specifically excluded from coverage under this General Permit:

- Stormwater discharges associated with peat mining, coal mining, and metal mining;
- Stormwater discharges from mining operations which are intermixed on site with stormwater from concrete operations;
- Stormwater discharges associated with oil and gas extraction operations; and
- Stormwater discharges associated with tourist gem mines
- NCDOT borrow pits (covered under individual permit NCS000150)

The following discharges are covered by NPDES general permit NCG520000 instead of NCG020000:

Point source discharges of stormwater and wastewater from **in-stream sand mining operations** (sand dredging or dipping operations) are covered instead by NPDES General Permit NCG520000, administered by the **Division of Water Resources NPDES Wastewater Permitting Program**. Please contact DWR for more information.

Please print or type all entries in this application form.

1) **Mailing address of owner/operator (official address to which all permit correspondence will be mailed):**

Legal Owner Name _____

(Attach the most recent Annual Report to the NC Secretary of State showing the current legal name of the corporation or entity.

Alternatively this permit can be given to an individual or government authority. This name must be the same name as appears on the Division of Energy, Mineral, and Land Resources' Mining Permit.)

Signee's Name (as signed for in question 41. at end) _____

Street Address _____

City _____ State _____ ZIP Code _____

Telephone No. _____ E-mail _____

Alternate Contact Name* _____ E-mail (if different) _____

Alternate Contact Telephone (if different) _____

**Alternate contact should be affiliated with the Owner/Operator. Consultant information can be provided in question 5.*

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2) Location of facility producing discharge:

Facility Name _____
Facility Street Address _____
Facility City _____ State _____ ZIP Code _____
Facility County _____
Facility Contact _____
Telephone No. _____ Fax: _____
Contact E-mail _____

3) Physical Location Information:

Please provide a narrative description of how to get to the facility (use street names, state road numbers, and distance and direction from a roadway intersection). _____

4) Facility Location Coordinates:

Latitude _____ N Longitude _____ W (degrees / minutes / seconds or decimal degrees)

5) Consultant Information (if applicable):

Consultant: _____
Consulting Firm: _____
Mailing Address: _____
City: _____
State: _____ Zip Code: _____
Phone: (____) _____ Fax: (____) _____
E-mail: _____

(Optional)
Staple Business Card Here

Permits:

6) This NPDES Permit Application applies to which of the following:

New or Proposed Facility Date operation is to begin: _____
 Existing Date began mining: _____

7) Standard Industrial Classification:

Provide the 4 digit Standard Industrial Classification Code (SIC Code) that describes the primary industrial activity at this facility SIC Code: ____ ____ ____ ____

8) Provide a description of the types of minerals mined at this facility: _____

9) Is this a PROCESSING-ONLY facility for materials mined elsewhere? No Yes

10) Is this an inactive mine site?

No
 Yes If yes, have you certified to the Stormwater Permitting Program that all portions of the site where clearing, grading, and/or excavation activities have occurred have been stabilized?
 No Yes (If yes, the site may be eligible for "Dormant Status" and reduced BMP inspections. See the General Permit.)

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11) Does this facility already have a valid Mining Permit from DEMLR's Land Quality Section?

- No If no, please indicate the status of the Mining Permit application: _____
- Yes If yes, please provide the Mining Permit number: _____. Also provide a **copy of the DEMLR Mining Permit** with this NPDES application.

12) Does this facility have any other NPDES permits?

- No
- Yes If yes, list the permit numbers for all current NPDES permits for this facility: _____

13) Are you applying for a discharge permit in the same location as a previously permitted mine?

- No
- Yes If yes, specify permit number and mine name if known: _____

14) Does this facility have any Non-Discharge permits from DWR (e.g., recycle permits)?

- No
- Yes If yes, list the permit numbers for all current Non-Discharge permits for this facility: _____

15) Does total area of this mine site include ready-mixed concrete plant and/or asphalt plant areas?

- No
- Yes If yes, do they have separate NPDES stormwater permits? No Yes (provide permit number(s) _____)
If not owned by the same company, who is the owner? _____

Development Activities and Buffers:

16) Will this mining operation precede development activities at this site?

- No
- Yes

17) Is this mine located within one of the 20 Coastal Counties, and will it add more than 10,000 ft² of impervious surface?

- Yes (to both)
- No, this mine site IS in one of the 20 Coastal Counties but will NOT add 10,000 ft² of impervious surface.
- No, this mine site is NOT in any of the 20 Coastal Counties.

If this site is in one of the 20 Coastal Counties, you may be required to apply for an additional State Stormwater Permit. Check with your local Regional Office (see contact information and checklist below).

18) Is this mine located the Neuse, Tar-Pamlico, or Catawba River Basins, or the Randleman or Jordan Water supply Watersheds?

- No
- Yes If yes, what size stream buffers are included on site? _____ft. You must show buffers on site plans. Also include information and plans showing diffuse flow through buffers as required.

Discharge Points, Receiving Waters & Wetlands:

19) Receiving waters:

What is the name of the body or bodies of water (creek, stream, river, lake, etc.) that the facility stormwater and/or wastewater discharges will end up in? _____

To find the waterbody, please see the "MAPS" tab on <http://portal.ncdenr.org/web/wq> for a map of NC Surface Waterbody Classifications.

Receiving water classification(s) for the waters: _____

If the site will discharge to a separate **storm sewer system**, name the operator of the separate storm sewer system (e.g. City of Raleigh municipal storm sewer). _____

Discharge of wastewater to receiving waters classified as WS-II through WS-V, or SA, must be approved by the Division of Water Resources (DWR) or Division of Marine Fisheries (DMF). DEMLR cannot grant coverage under NCG020000 without that approval. Also be advised that no new discharges of wastewater are permitted in receiving waters classified as WS-I or freshwater ORW. Wastewater discharges to saltwater ORW will not be approved under General Permit NCG02 but may be eligible for an individual permit.

20) Will this mine site discharge wastewater or stormwater to waters classified as High Quality Waters (HQW), Primary Nursery Areas (PNA), Trout (Tr) waters, or a class with a symbol like "+" or "@" that denotes a special management strategy is in place?

- No
- Yes, HQW*
- Yes, includes "+" or "@"
- Yes, PNA*
- Yes, Trout (Tr)

21) Will this mine site discharge wastewater or stormwater to waters classified as Shellfish (SA) waters?

- No
- Yes, SA*

**For questions 19-20, be advised that the NCG02 General Permit limits the discharge volume of total combined wastewaters to 50 percent of the receiving water in-stream flow under 7Q10 conditions in HQW waters (PNA and SA waters are considered HQW by definition). You may be required to contact USGS to obtain a 7Q10 flow.*

22) Will this mine site discharge wastewater or stormwater to impaired waters, or to waters with an approved "Total Maximum Daily Load" (TMDL)?

To find impaired waters, please see the "Impaired Waters" map on the "MAPS" tab on <http://portal.ncdenr.org/web/wq>.

To find approved TMDLs in North Carolina, please see DWR's Water Planning Section website: <http://portal.ncdenr.org/web/wq/ps/mtu/tmdl/tmdls>.

- No
- Yes, these waters are impaired for (list pollutants): _____
- Yes, these waters have a TMDL for (list pollutants): _____

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23) List discharge points (outfalls) that convey discharge from the mine site (both on-site and off-site) and location coordinates. Attach additional sheets if necessary, or note that this information is specified on the site plan. Include proposed maximum daily flow rate for each wastewater outfall.

You must show all discharge points clearly on the submitted site plan. Be advised that NCDEQ may require you to apply for an individual permit, based on proposed discharge rates and receiving stream conditions (low flows, impairments, etc.)

Stormwater

Stormwater Outfall No. _____
Latitude (degrees/minutes/seconds or decimal degrees): _____ N
Longitude (degrees/minutes/seconds or decimal degrees): _____ W

Stormwater Outfall No. _____
Latitude (degrees/minutes/seconds or decimal degrees): _____ N
Longitude (degrees/minutes/seconds or decimal degrees): _____ W

Stormwater Outfall No. _____
Latitude (degrees/minutes/seconds or decimal degrees): _____ N
Longitude (degrees/minutes/seconds or decimal degrees): _____ W

Stormwater Outfall No. _____
Latitude (degrees/minutes/seconds or decimal degrees): _____ N
Longitude (degrees/minutes/seconds or decimal degrees): _____ W

Stormwater Outfall No. _____
Latitude (degrees/minutes/seconds or decimal degrees): _____ N
Longitude (degrees/minutes/seconds or decimal degrees): _____ W

Stormwater Outfall No. _____
Latitude (degrees/minutes/seconds or decimal degrees): _____ N
Longitude (degrees/minutes/seconds or decimal degrees): _____ W

Mine Dewatering

Mine Dewatering (Wastewater) Outfall No. _____
Proposed maximum flow rate: _____
Latitude (degrees/minutes/seconds or decimal degrees): _____ N
Longitude (degrees/minutes/seconds or decimal degrees): _____ W

Mine Dewatering (Wastewater) Outfall No. _____
Proposed maximum flow rate: _____
Latitude (degrees/minutes/seconds or decimal degrees): _____ N
Longitude (degrees/minutes/seconds or decimal degrees): _____ W

Process Wastewater

Process Wastewater Outfall No. _____ Wastewater Description: _____
Proposed maximum flow rate: _____
Latitude (degrees/minutes/seconds or decimal degrees): _____ N
Longitude (degrees/minutes/seconds or decimal degrees): _____ W

Process Wastewater Outfall No. _____ Wastewater Description: _____
Proposed maximum flow rate: _____
Latitude (degrees/minutes/seconds or decimal degrees): _____ N
Longitude (degrees/minutes/seconds or decimal degrees): _____ W

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24) Help us understand what will happen to the dewatering water at this mine site:

N/A – this mine is not dewatering at all and will not dewater in the future.

a) Will this mine be dewatering and discharging to waters of the state? (Answer only if dewatering)

No

Yes If yes, where to? Surface Waters and/or Wetlands (on-site or off-site)

Other (on-site or off-site) Describe: _____

b) Will this mine be dewatering but not discharging to waters of the state? (Answer only if dewatering)

No

Yes If yes, explain how you are dewatering, and where that water will be directed: _____

25) Are there wetlands or surface waters within 400' of the mine pit perimeter?

No

Yes If yes, what distance are they from the mine pit perimeter? _____ feet.

26) Will mining operations require dewatering near wetlands or other waterbodies, and will dewatering potentially impact any wetlands or other waterbodies?

No, dewatering will not occur near (within 400') of wetlands or other waterbodies (e.g., streams, lake, etc.)

Yes, dewatering will be near wetlands or other waterbodies

Wetlands must be **CLEARLY DELINEATED on the site plan**. Mine dewatering activities that have the potential to drain wetlands or otherwise impact surface water or groundwater **MUST develop and implement a Pumping Operation and Monitoring (POM) Plan that has been approved by the Department**.

For sites that may drain wetlands – approval of a POM Plan may be required prior to coverage under this permit. The POM Plan should be submitted to the appropriate Regional Office and in all cases **must be approved prior to operation**.

The plan shall include, but is not limited to: (1) Groundwater monitoring strategies to demonstrate the effect of pumping and to establish any pumping regime necessary to reduce impacts, and (2) Detailed plans to maintain surrounding hydrology and respective monitoring to demonstrate compliance. See checklist at the end of the application. *Contact the Regional Office for questions specific to your mine.*

27) Have you been required to obtain 404/401 Certification permits?

No

Yes If yes, please briefly describe below (include information such a required mitigation, BMPs, setbacks, and/or O&M plans for on or off-site wetlands or other pertinent information). Attach other sheets as necessary:

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28) Have you been required to obtain a wetland delineation certified by the US Army Corps of Engineers?

- No Yes If yes, please attach to application submission.

Stormwater BMPs and Vehicle Maintenance:

29) Does this facility employ best management practices for stormwater control?

- No Yes If yes, please briefly describe: _____

30) Does this facility have a Stormwater Pollution Prevention Plan?

- No Yes If yes, when was it implemented? _____

31) Are vehicle maintenance activities (VMA) occurring or planned at this mine site?

- No Yes, If yes, will VMA area runoff discharge into the wastewater treatment system(s)?
 No, VMA runoff will discharge separately through a stormwater outfall
 Yes, VMA runoff will drain back to the mine pit or other wastewater system

Wastewater Treatment Facilities:

32) Will mine dewatering occur? (Yes, we are asking about dewatering again.)

- No
 Yes If yes, will the mine discharge this water? _____

33) Will this facility wash mined materials?

- No
 Yes If yes, will the mine discharge this water? _____

34) Will discharges of process wastewater treatment systems occur (including possible recycle system overflows)?

- No
 Yes If yes, describe what kind of systems: _____

35) Will this facility employ chemical additives to flocculate suspended solids?

- No
 Yes If yes, provide the name, manufacturer, and the quantity of average daily usage of the chemical additive (if known): _____

Note: Please see our website for a list of evaluated polyacrylamide (PAMS) products for use in North Carolina: <http://portal.ncdenr.org/web/lr/construction-stormwater>

36) Will any of the wastewater treatment facilities at this mine overflow only during rainfall events that exceed the 10-yr, 24-hr rainfall event?

- Yes If yes, which treatment systems are those? _____

- No, all wastewater treatment facilities will discharge more frequently (i.e., during smaller rain events)

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37) Are wastewater treatment facilities (including recycle systems) planned in the 100-year flood plain?

- No
- Yes



38) A wastewater treatment alternatives review is required by 15A NCAC 2H.0105 (c)(2) for any new or expanding water pollution control facility discharges in North Carolina. You may attach additional sheets. List the types of wastewater this mine site will discharge:

- Mine Dewatering
- Process Wastewater (such as washing or recycle system overflows, other mining activity wastewater)

a) What wastewaters were considered for this alternatives review? Dewatering Process WW

b) Connection to a Municipal or Regional Sewer Collection System:

i) Are there existing sewer lines within a one-mile radius? Yes No

(1) If Yes, will the wastewater treatment plant (WWTP) accept the wastewater? Yes No

(a) If No, please attach a letter documenting that the WWTP will not accept the wastewater.

(b) If Yes, is it feasible to connect to the WWTP? *Why or why not?** _____

c) Closed-loop Recycle System (meets design requirements of 15A NCAC 2T .1000):

i) Are you already proposing a closed-loop recycle system (CLRS)? Yes No

(1) If Yes, for what type of wastewater at this mine site? Dewatering Process WW

(2) If No, is this option *technologically* feasible (possible)? *Why or why not?** _____

(3) If No, is it otherwise feasible to build a CLRS at this site? *Why or why not?** _____

(4) What is the feasibility of building a CLRS compared to direct surface water discharge? * _____

d) Surface or Subsurface Disposal System (e.g., spray irrigation):

i) Is a surface or subsurface disposal *technologically* feasible (possible)? Yes No
*Why or Why not? ** _____

ii) Is a surface or subsurface disposal system otherwise feasible *to implement?** Yes No
*Why or Why not? ** _____

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iii) What is the feasibility of employing a subsurface or surface discharge as compared to a direct discharge to surface waters?*

e) **Direct Discharge to Surface Waters:** Is discharge to surface waters the **most environmentally sound alternative of all reasonably cost-effective options for the wastewaters** being considered?*

Yes No

f) **If this review included all wastewater discharge types, would excluding some types (e.g. mine dewatering) make any of the above non-discharge options feasible for some of the wastewaters?**

Yes No

** Feasibility should take into account initial and recurring costs. You may be asked to provide further information to support your answers to these questions after the initial review.*

Other:

39) Hazardous Waste:

a) Is this facility a Hazardous Waste Treatment, Storage, or Disposal Facility?

No Yes

b) Is this facility a Small Quantity Generator (less than 1000 kg. of hazardous waste generated per month) of hazardous waste?

No Yes

c) Is this facility a Large Quantity Generator (1000 kg. or more of hazardous waste generated per month) of hazardous waste?

No Yes

d) If you answered yes to questions b. or c., please provide the following information:

Type(s) of waste: _____

How is material stored: _____

Where is material stored: _____

How many disposal shipments per year: _____

Name of transport / disposal vendor: _____

Vendor address: _____

40) Is your facility providing appropriate secondary containment for bulk storage of liquid materials? (See permit text for secondary containment requirements.)

No

Yes

41) Does your site have an active landfill within the mining permit boundary?

No

Yes If yes, specify type: LCID (Land Clearing and Inert Debris) Other: _____



Final Checklist:

This application will be returned as incomplete unless all of the following items have been included and initialed for. Please show that the following required information has been included by initialing in each space below.

- ___ Fee of \$100 made payable to *NCDEQ*.
- ___ Completed application and all supporting documents.
- ___ Copy of the valid approved mining permit (MP) for the facility or indication of MP application status.
- ___ Copy of a county map or other general location map that shows the mining site and nearest major roads.
- ___ Copy of USGS topographic map showing the mining site and surrounding areas, or other map that clearly shows site location in relation to nearby streams, wetlands, and other waters, etc.
- ___ **2 copies of large-scale (minimum 24" x 36") site plan with topographical lines with all outfalls, applicable buffers and wetlands clearly delineated, receiving waters, and 100-year flood plain line if applicable.**
- ___ A copy of your US Army Corps-approved wetland delineation if you marked "yes" to question 27 above.
- ___ A line drawing of the water flow through the facility or block flow diagram. A pictorial description of the nature of any sources of water and any collection and treatment measures.
- ___ If mine site is in one of the 20 Coastal Counties:
 - Applicant has checked with the appropriate regional office to verify the need for a Coastal State Stormwater permit. Indicate the Regional Office Contact: _____
 - Applicant has included a detailed list of impervious surface areas and percentages, sub-drainage areas, and total drainage area.
- ___ **If the mine is dewatering and near wetlands, or may otherwise impact surface waters or groundwater, include the following and contact your local regional office about a Pumping Operation and Monitoring (POM) Plan. An approved POM plan may be required prior to NCG02 issuance.**
 - ___ **2 copies of detailed Full Size Plans (at least 24" x 36") delineating areas on the plans and listing acreage (including: wetlands, ditches, well-placements, pits, borrow areas, overburden storage, stormwater controls/BMPs, vehicle maintenance areas, settling basins, product process (such as screening, stockpiles, waste piles), total drainage area, impervious surface percentages (if state SW programs apply), applicable buffers, and access and/or haul roads).**
 - ___ Pump dewatering size and information on its specifications.
 - ___ Well information (design, depths, maintenance).
 - ___ Physical monitoring for the wetlands areas.
 - ___ Settling pond sizing information, if applicable.
 - ___ Level spreader design, if applicable.
 - ___ Details about dewatering method.
 - ___ Cone of influence calculations.
 - ___ Description of measures to prevent erosion and flooding.
 - ___ Description and information about 401/404 permits that have been obtained.
 - ___ Copy of US Army Corps of Engineers wetland delineations or approved wetland delineation (if applicable).
 - ___ I have contacted my local regional office about a POM Plan.
Regional Office Contact: _____. Date contacted: _____

-OR-

___ **I will not impact any nearby wetlands, surface waters, or groundwaters by dewatering.**

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Certification: North Carolina General Statute 143-215.6 b (i) provides that:

Any person who knowingly makes any false statement, representation, or certification in any application, record, report, plan, or other document filed or required to be maintained under this Article or a rule implementing this Article; or who knowingly makes a false statement of a material fact in a rulemaking proceeding or contested case under this Article; or who falsifies, tampers with, or knowingly renders inaccurate any recording or monitoring device or method required to be operated or maintained under this Article or rules of the [Environmental Management] Commission implementing this Article shall be guilty of a Class 2 misdemeanor which may include a fine not to exceed ten thousand dollars (\$10,000).

41) Signatory Requirements (per 40 CFR 122.22)

All applications, reports, or information submitted to the Director shall be signed and certified.

a. All notices of intent to be covered under this General Permit shall be signed as follows:

- (1) For a corporation: by a responsible corporate officer. For the purpose of this permit, a responsible corporate officer means: (a) a president, secretary, treasurer or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation, or (b) the manager of one or more manufacturing production or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding 25 million (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
- (2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
- (3) For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official.

I hereby request coverage under the referenced General Permit. I understand that coverage under this permit will constitute the permit requirements for the discharge(s) and is enforceable in the same manner as an individual permit.

I agree to abide by the following as a part of coverage under this General Permit:

1. I agree to abide by the approved Mining Permit for this mining activity. (A copy of the valid mining permit must be attached to this request.)
2. I agree to not discharge any sanitary wastewater from this mining activity except under the provisions of another NPDES permit specifically issued therefore.
3. I agree that bulk storage of petroleum products and other chemicals shall have adequate protection so as to contain all spills on the site.
4. I agree that solid wastes will be disposed of in accordance with N.C. statutes and rules governing solid waste disposal.
5. I agree that maintenance activities for vehicles and heavy equipment will be performed so as to not result in contamination of the surface or ground waters.

I agree to abide by the provisions as listed above and recognize that the provisions are to be considered as enforceable requirements of the General Permit.

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete, and accurate.

Printed Name of Person Signing: _____

Title: _____

(Signature of Applicant)

(Date Signed)

Notice of Intent must be accompanied by a check or money order for \$100.00 made payable to NCDEQ.

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Mail the entire package to:

Stormwater Permitting Program
Division of Energy, Mineral and Land Resources
1612 Mail Service Center
Raleigh, North Carolina 27699-1612

Note

The submission of this document does not guarantee coverage under the NPDES NCG02 General Permit. Upon review of the submittal, the Division may determine that coverage under an individual permit is more appropriate. Also be advised that renewed and continued coverage under NCG02 may be dependent upon the permittee’s compliance success and/or status of the receiving waters.

For questions, please contact the DEMLR/Land Quality Section Regional Office for your area.

DEMLR/Land Quality Section Regional Office Contact Information:

Asheville Office (828) 296-4500
Fayetteville Office ... (910) 433-3300
Mooresville Office ... (704) 663-1699
Raleigh Office (919) 791-4200
Washington Office ... (252) 946-6481
Wilmington Office ... (910) 796-7215
Winston-Salem (336) 776-9800
Central Office (919) 707-9220

