

**VPDES GENERAL PERMIT REGISTRATION STATEMENT  
NONMETALLIC MINERAL MINING**

1. **Facility Owner:** \_\_\_\_\_

2. **Owner Mailing address:** Street or P.O. Box \_\_\_\_\_

City or Town \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

3. **Owner Telephone #:** \_\_\_\_\_ 4. **Owner Email:** \_\_\_\_\_

5. **Contact Name:** \_\_\_\_\_ 6. **Contact Telephone #:** \_\_\_\_\_

7. **Contact Email:** \_\_\_\_\_

8. **Facility Name:** \_\_\_\_\_ 9. **Facility Lat/Long (deg-min-sec):** \_\_\_\_\_

10. **Facility Address:** \_\_\_\_\_  
(County, Street Number, City or Town, State, Zip)

11. **Description of mining activity (mineral mined):** \_\_\_\_\_

12. **Primary SIC code:** \_\_\_\_\_ **Secondary SIC codes:** \_\_\_\_\_

13. **Does this mine currently have a VPDES permit?** Yes  No  (If yes, give permit number) \_\_\_\_\_

**14. Discharge Information:**

OUTFALL NUMBER	OUTFALL TYPE (see note 1)	SOURCE OF DISCHARGE (see note 2)	RECEIVING STREAM AND WETLANDS	LATITUDE/ LONGITUDE (deg-min-sec)

**Notes:**

1. Outfall Type - list as (1) process wastewater, (2) storm water, or (3) process water commingled with storm water.
2. Source of Discharge (If the outfall has a combination of these sources, list all that apply): (1) mine pit dewatering, (2) storm water associated with industrial activity, (3) storm water not associated with industrial activity, (4) ground water infiltration, (5) wastewater from vehicle or equipment degreasing activities, (6) vehicle washing, (7) mined material washing, (8) return water from operations where mined material is dredged, (9) noncontact cooling water, (10) miscellaneous plant cleanup wastewater, (11) co-located facility discharges (identify the co-located facility), (12) emergency outfall for process water systems designed as "no discharge" or (13) other discharges not listed here (describe).

15. **Is the process water system designed to operate as "no discharge?"** Yes  No  (see instructions).

**16. Storm Water:**

- a. **Indicate which exclusively storm water outfalls (if any) will be representative outfalls that require a single Discharge Monitoring Report (DMR).** \_\_\_\_\_
- b. **For storm water outfalls which are to be represented by other outfall discharges, attach a description of the activities associated with those outfalls and explain why they are substantially the same as the representative outfall to be sampled.**
- c. **Does the storm water discharge from a storm water management structure (a series of large settling sedimentation basins).** Yes  No
- d. **Storm water pollution prevention plans (SWPPPs) do not need to be submitted with this registration. However, see requirements for development, updating and implementation in instructions below.**

17. If the facility discharges to the Chickahominy watershed above Walkers Dam, provide monitoring data to demonstrate compliance with 9VAC25-260-310 m (Chickahominy special standards) as per Part I B 14 of the 2014 VPDES Nonmetallic Mineral Mining General Permit (if not already submitted to the Department under a different VPDES permit in a DMR).

18. Description of wastewater treatment or reuse/recycle systems, or both:

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19. List any chemicals added to water that could be discharged:

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20. Indicate any co-located facilities:

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21. Is this facility a hazardous waste treatment, storage, or disposal facility? Yes  No

22. Attach to this registration statement a schematic drawing showing the sources of water used for production, the industrial operations contributing to or using water, and the conceptual design of the methods of treatment and disposal of wastewater and solids. Identify outfall numbers listed in item 14 above.

23. Attach to this registration statement an aerial photo or scale map which clearly shows the property boundaries, plant site, drainage areas associated with each outfall, locations of all mine pit dewatering, existing, significant sources of materials exposed to precipitation, storm water management structures (if any), storm water or process wastewater outfalls listed in item 14 above and the receiving streams.

24. Attach to this registration statement evidence that the operation to be covered by this general permit has a mining permit which has been approved by the Virginia Department of Mines, Minerals and Energy, Division of Mineral Mining (or associated waived program) under the provisions and requirements of Title 45.1 of the Code of Virginia. Mineral mines owned and operated by governmental bodies not subject to the provisions and requirements of Title 45.1 of the Code of Virginia are exempt from this requirement.

Mining Permit No.: \_\_\_\_\_

25. Does the facility discharge storm water into a Municipal Separate Storm Sewer System (MS4)? Yes  No

If yes, provide name of the MS4 operator \_\_\_\_\_

26. Would you like your permit sent to you electronically? Yes  No

If yes, please list the email address to send it to: \_\_\_\_\_

**Certification:**

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name \_\_\_\_\_ Title: \_\_\_\_\_

**Required attachments:**

1. Evidence of approved mining permit
2. Water use schematic drawing
3. Aerial photo or map

**FOR DEPARTMENT USE ONLY:**

Accepted/Not Accepted by: \_\_\_\_\_ Date: \_\_\_\_\_

Basin \_\_\_\_\_ Stream Class \_\_\_\_\_ Section \_\_\_\_\_

Special Standards \_\_\_\_\_ TMDL Compliance \_\_\_\_\_

**INSTRUCTION FOR COMPLETING THE REGISTRATION STATEMENT FOR  
THE GENERAL VPDES PERMIT FOR NONMETALLIC MINERAL MINING FACILITIES (VAG84)**

**WHO MUST FILE THE REGISTRATION STATEMENT**

This registration statement must be completed and submitted by any Nonmetallic Mineral Mining facility requesting coverage under the above general permit for process wastewater discharges and/or regulated storm water discharges.

**WHERE TO FILE THE REGISTRATION STATEMENT**

The completed registration statement with signature should be sent to the Department of Environmental Quality Regional Office for your area. You may sign, scan and email the registration statement to the regional office but you must then maintain the original signed document for verification if needed. The fee form and your check for \$600 (made out to "Treasurer of Virginia") should be mailed to DEQ Receipts Control, P.O. Box 1104, Richmond, VA 23218. The Regional Office for your area depends on the county in which the discharge is located. Regional office addresses can be obtained from our website at <http://www.deq.virginia.gov/Locations.aspx>, or by calling the DEQ at (804) 698-4000. The fee form is available on DEQ's web site at <http://www.deq.virginia.gov/Programs/Water/PermittingCompliance/PollutionDischargeElimination/PermitsFees.aspx>.

**COMPLETENESS**

Complete all items except where indicated, or enter NA for "not applicable" in order for your registration statement to be accepted. If you need more space, write on the space at the end of the form or attach additional sheets of paper. If you do not know how to answer a question and the instructions below do not help you, contact the DEQ regional office.

**DEFINITIONS**

**SIC Code** mean the "Standard Industrial Classification" code listed in the Federal Office of Management and Budget (OMB) SIC Manual, 1987. SIC codes are used as identifiers of industries with certain characteristics (see <http://www.osha.gov/pls/imis/sicsearch.html>).

**Storm water** means storm water run-off, snow melt run-off, and surface run-off and drainage.

**Process Wastewater** means any wastewater used in the slurry transport of mined material, air emissions control, or processing exclusive of mining, and any other water that becomes commingled with such wastewater in a pit, pond, lagoon, mine, or other facility used for treatment of such wastewater. It includes mine pit dewatering, water used in the process of washing stone, noncontact cooling water, wastewater from vehicle or equipment degreasing activities, vehicle washing and return water from operations where mined material is dredged and miscellaneous plant cleanup wastewaters.

**LINE BY LINE INSTRUCTIONS**

Item 1: Provide the name of the person or corporation that owns the business.

Item 2: Provide the mailing address of the above person.

Item 3: Provide the telephone number of the above person.

Item 4: Provide email address of the above person.

Item 5: Provide a contact name (e.g. operator) for the facility if that is different than the owner.

Item 6: Provide the contact telephone number.

Item 7: Provide contact email address.

Item 8: Provide the Facility name of the Nonmetallic Mineral Mining facility.

Item 9: Provide the latitude and longitude for the facility (typically, use the main building at the project for determining latitude and longitude coordinates). Provide in degrees-minutes-seconds.

Item 10: Provide street address of the facility (This is usually the 911 address). Include county name if applicable.

Item 11: Provide a brief description of the mining activity and the mineral mined.

Item 12: Provide the facility's primary and secondary SIC Codes. This permit covers discharges of process wastewater as well as storm water associated with industrial activity from active and inactive mineral mines classified nonmetallic mineral mining facilities under SIC codes 1411, 1422, 1423, 1429, 1442, 1455, 1459 excluding bentonite and magnesite mines, 1475, and 1499 excluding gypsum, graphite, asbestos, diatomite, jade, novaculite, wollastonite, tripoli or asphaltic mineral.

Secondary industrial activities co-located on site are also covered as long as the secondary activity has wastewater characteristics similar to those of the mineral mine and is located within the permitted mining area. These secondary activities commonly found at mining include manufacturing of ready-mix concrete (SIC Code 3273), concrete products (SIC Codes 3271 and 3272), and asphalt paving materials (SIC Code 2951) except asphalt emulsion manufacturing. It does not mean industrial activity that is specifically excluded from this permit.

Item 13 Provide existing permit number (if applicable).

Item 14: DISCHARGE INFORMATION

**Outfall Number** - list all outfall discharges by a number, such as 001, 002, etc.

**Outfall type** - list as either: (1) process wastewater, (2) storm water, or (3) process water commingled with storm water.

**Source of Discharge** - list as any one or combination of the following: (1) mine pit dewatering, (2) storm water associated with industrial activity, (3) storm water not associated with industrial activity, (4) ground water infiltration, (5) wastewater from vehicle or equipment degreasing activities, (6) vehicle washing, (7) mined material washing, (8) return water from operations where mined material is dredged, (9) noncontact cooling water, (10) miscellaneous plant cleanup wastewater, (11) co-located facility discharges (identify the co-located facility), (12) emergency outfall for process water systems designed as "no discharge" or (13) other discharges not listed here (describe). If the outfall has a combination of these sources, list all that apply.

**Receiving Stream and Wetlands** - list the discharge receiving stream and wetlands (if applicable). Discharge to the receiving stream may be through a municipal separate storm sewer system.

**Latitude and Longitude** - provide this location information. If you do not have a global positioning device to calculate latitude and longitude, there are web sites that can estimate this for you (e.g., <http://itouchmap.com/latlong.html>). Provide as degrees-minutes-seconds.

Item 15: Process water systems designed to operate as "no discharge" are not to discharge wastewater or pollutants, except in storm events greater than a 25-year, 24-hour storm event. In the event of such a discharge, the permittee must report an unusual or extraordinary discharge per Part III H of the 2014 Nonmetallic Mineral Mining General Permit. No sampling or DMR is required for these discharges because they are considered to be discharging in emergency discharge conditions. These discharges cannot contravene the Water Quality Standards (9VAC25-260), or any provision of the State Water Control Law. Any other discharge from this type of system is prohibited and must be reported as an unauthorized discharge per Part III G of the 2014 general permit. If you prefer to turn in DMRs for process water systems designed as "no discharge" answer the question "no" and you will receive a DMR with process water limits and quarterly reporting (the DMRs may say "no discharge" but they must still be submitted quarterly).

Item 16: STORM WATER

- a. When a facility has two or more exclusively storm water outfalls that the permittee reasonably believes discharge substantially identical effluents, based on a consideration of similarity of industrial activity, significant materials, and management practices and activities within the area drained by the outfalls, then the permittee may submit information with the registration statement to request that only one Discharge Monitoring Report (DMR) be required for the outfall to be sampled, and that outfall will represent one or more substantially identical outfalls.
- b. Indicate which exclusively storm water outfalls (if any) will be representative outfalls that require a single (DMR). For storm water outfalls which are to be represented by other outfall discharges, identify the outfalls and attach a description of the activities associated with those outfalls and explain why they are substantially the same as the representative outfall to be sampled. The explanation must include a description of the industrial activity, significant materials, and management practices and activities within the area drained by the outfalls.
- c. If the storm water discharges through a storm water management structure (a series of large settling sedimentation basins), you may indicate so. If you answer yes, the sample collection must be representative of the storm water that is discharged from the basins. This means that the samples do not necessarily have to follow the last storm event by 72 hours or be taken during the first 30 minutes (or three hours if 30 minutes is impracticable) of discharge
- d. Storm water pollution prevention plans (SWPPP) do not need to be submitted with this registration; however, should be made available to the department upon request. If you currently do not have coverage under a VPDES Nonmetallic Mineral Mining General Permit, a SWPPP shall be prepared and implemented before submitting the registration statement. Existing facilities shall update and implement the SWPPP incorporating the SWPPP requirements of the 2014 Nonmetallic Mineral Mining General Permit, if not included in an existing plan, within 90 days of the board granting coverage under this permit. SWPPPs being implemented based on the 2009 Nonmetallic Mineral Mining GP shall continue to be implemented until a revised plan is developed and implemented.

Upon showing good cause, the director of the DEQ may establish a later date in writing for the preparation and compliance with the SWPPP.

Item 17: Process wastewater discharges in the entire Chickahominy watershed above Walker's Dam (excluding discharges consisting solely of storm water) shall also meet the effluent limitations in 9VAC25-260-310 m (special standards and requirements) of the January 6, 2011, Water Quality Standards regulation. These limitations are BOD<sub>5</sub> (6.0 mg/l average and 8.0 mg/l maximum), total suspended solids (TSS) (5.0 mg/l average and 7.5 mg/l maximum), total phosphorus (0.10 mg/l average), ammonia as nitrogen (2.0 mg/l average), and settleable solids (0.1 mg/l average). These parameters, except for TSS, shall be monitored once per calendar year and the data submitted with the next registration statement (the 2019 reissuance). TSS data shall be monitored and submitted with the Part I A discharge monitoring report (DMR) of this general VPDES nonmetallic mineral mining permit.

Item 18: Describe the type(s) of wastewater treatment employed, including reuse/recycle system(s).

Item 19: List all chemicals that are currently used or anticipated to use within the life of the permit term on the registration statement. The use of any chemical additives, except chlorine, without prior approval is prohibited under this general permit. Prior approval shall be obtained from the DEQ before any changes are made to the chemical usage. Please provide any aquatic toxicity information or material safety data sheets (MSDS or SDS), if available. Usually this can be obtained online from the manufacturer of the chemical additives.

Item 20: Indicate any co-located facilities. Secondary industrial activity co-located on site is also covered as long as the secondary activity has wastewater characteristics similar to those of the mineral mine and is located within the permitted mining area. Secondary activities commonly found at mining include manufacturing of ready-mix concrete, concrete products, and asphalt paving materials, except asphalt emulsion manufacturing. It does not mean industrial activity that is specifically excluded from this permit

Item 21: Indicate if the facility is a hazardous waste treatment, storage, or disposal facility

Item 22: SCHEMATIC DRAWING

The schematic drawing should show the source(s) of water used for production, the industrial operations contributing to or using water, and the conceptual design of the methods of treatment and disposal of wastewater and solid materials (such as solids from the settling basins and waste concrete materials). If a liner is installed in the settling basin(s), the drawing should reflect its specifications.

Item 23: MAP

Provide an aerial photo or scale map which clearly shows the property boundaries, plant site, drainage areas associated with each outfall, locations of all mine pit dewatering, existing, significant sources of materials exposed to precipitation, storm water or process wastewater outfalls, storm water management structures (if any) and the receiving streams.

Item 24 DEPARTMENT OF MINES, MINERALS AND ENERGY GENERAL PERMIT

Provide the mining permit number and evidence that the operation to be covered by this general permit has a mining permit which has been approved by the Virginia Department of Mines, Minerals and Energy, Division of Mineral Mining (or associated waived program) under the provisions and requirements of Title 45.1 of the Code of Virginia. Mineral mines owned and operated by governmental bodies not subject to the provisions and requirements of Title 45.1 of the Code of Virginia are exempt from this requirement.

Item 25: Indicate if the facility discharges into a Municipal Separate Storm Sewer System (MS4) and provide the name of the MS4 operator, if applicable. Per 9VAC25-190-60 of the Nonmetallic General Permit registration requirements, the owner has to notify the MS4 owner in writing of the existence of the discharge within 30 days of coverage under the general permit and must copy the DEQ regional office with the notification.

The notification has to include the following information: the name of the facility, a contact person and phone number, the location of the discharge, the nature of the discharge and the facility's VPDES general permit number. Current permitted MS4 owners can be found here:

<http://www.deq.virginia.gov/Programs/Water/StormwaterManagement/VSMPPPermits/MS4Permits.aspx>

Item 26: It is not a requirement to communicate with DEQ electronically.

### **Certification**

All registration statement shall be signed as follows:

- For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (i) 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 (ii) the manager of one or more manufacturing, production, or operating facilities provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
- For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
- For a municipality, state, federal, or other public agency: By either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a federal agency includes: (i) The chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.