

NONMETALLIC MINERAL PROCESSING PLANTS INFORMATIONAL HANDOUT



❖ What is the Purpose of the Regulation?

- The Department of Environmental Protection (DEP) has established an Air General Permit (AGP) under Rule 62-210.310(5)(e), Florida Administrative Code, (F.A.C.), for Nonmetallic Mineral Processing Plants. By simply registering to “use” the AGP, the owner or operator of an eligible facility is allowed to construct and operate the facility under the terms and conditions of the AGP rule. There is no need for the owner or operator to incur the additional time and expense of applying for an individual air construction or air operation permit.

❖ Who is Eligible to use a Nonmetallic Mineral Processing Plant APG?

- A stationary or relocatable facility comprising one or more nonmetallic mineral processing plants.
- Eligible facilities must not emit more than ten tons per year of any listed hazardous air pollutant (HAP), twenty-five tons per year of any combination of HAPs, or 100 tons per year or more of any other regulated air pollutant.
- Eligible facilities must not operate any other emission units that would require an AO permit.
- Existing facilities with an AO permit may renew that permit or apply for the AG permit at least thirty days prior to the expiration date of the existing permit.

❖ **How Do I Register or Re-register for a Nonmetallic Mineral Processing Plant AGP?**

- To register, the owner/operator of an existing or new nonmetallic mineral processing plant may:
 - Use the Department's online Air General Permit Electronic Registration System (AGPERS) found at <https://floridadep.gov/air/permitting-compliance/content/air-general-permits>; or
 - Download and complete the nonmetallic mineral processing plant registration worksheet found at <https://floridadep.gov/air/permitting-compliance/content/nonmetallic-mineral-processing-plants-crushers> and mail it to the Department at the address indicated in the worksheet instructions along with a \$100 registration processing fee.
- The registration and associated processing fee must be submitted to the Department at least thirty (30) days prior to the expiration date of an existing facility's authorization.
- For a new facility, the registration must be submitted at least thirty (30) days before intending to use the AGP rule authority.
- If certain changes occur at an existing nonmetallic mineral processing facility, the owner/operator must re-register for use of the AGP. Re-registration of the AGP is required for the following changes:
 - Change of ownership
 - The new owner/operator must submit a registration along with a fee of \$100.00, at least thirty (30) days before intending to use the AGP rule authority.
 - The current owner operator is encouraged to notify the Department prior to the sale of the facility.
 - Physical change in location
 - Proposed new construction
 - Modifications to equipment (installation of new process or air pollution equipment; alteration of existing process or control equipment; or replacement of existing process or control equipment with equipment substantially different in terms of capacity,

method of operation, material processed, or intended use than that noted in the most recent registration form)

❖ **What is required by the Nonmetallic Mineral Processing Plant AGP Rule?**

General Requirements

- The total fuel consumption by the facility shall not exceed 23,000 gallons per year of gasoline, 275,000 gallons per year of diesel fuel, 1.3 million gallons per year of propane, 44 million standard cubic feet per year of natural gas, or an equivalent prorated amount if multiple fuels are used.
- If multiple fuels are used, the equivalent prorated amount of each fuel burned shall not exceed the total amount of such fuel allowed to be burned, as given in sub-subparagraph b., multiplied by a fuel percentage. The fuel percentage is the percentage ratio of the amount of the fuel burned at the facility to the total amount of such fuel allowed to be burned at the facility pursuant to sub-subparagraph b. The sum of the fuel percentages for all fuels burned by the facility shall not exceed 100 percent.
- The owner or operator shall maintain onsite a startup, shutdown, malfunction plan for the facility that describes, in detail, procedures for operating and maintaining the equipment during periods of startup, shutdown, and malfunction. The plan may be in the form of an equipment operation manual and shall also specify corrective action for malfunctioning process and air pollution control equipment.
- The following reasonable precautions shall be employed to control unconfined emissions of particulate matter:
 - (I) Unconfined emissions from all relocatable nonmetallic mineral processing plants, except those located at mines or quarries and processing only material from onsite natural deposits, and all stationary nonmetallic mineral processing plants that process dry material shall be controlled by using a water suppression system with spray bars located wherever unconfined emissions occur at the feeder(s), the entrance and exit of the crusher(s), the classifier screens, and the conveyor drop points.
 - (II) Unconfined emissions generated by vehicular traffic or wind shall be controlled by applying water (by water trucks equipped with spray bars) or effective dust

suppressant(s) on a regular basis to all stockpiles, roadways and work yards where the nonmetallic mineral processing plant is located.

- Visible emissions from any crusher, grinding mill, screening operation, bucket elevator, transfer point on belt conveyors, bagging operation, storage bin, enclosed truck or railcar loading station, or any other affected emission point at a nonmetallic mineral processing plant shall be less than twenty percent (20%) opacity, pursuant to Rule 62-296.320, F.A.C.
- Nonmetallic mineral processing plants subject to 40 CFR Part 60, Subpart OOO, shall comply with all applicable standards, limitations, and requirements. Such facilities shall conduct initial performance tests for particulate matter and visible emissions in accordance with all requirements. Thereafter, such facilities shall conduct performance tests for visible emissions annually. The annual visible emissions performance tests shall be conducted in accordance with the test methods and procedures set forth at Subpart OOO. All notifications of upcoming visible emissions tests and all test results shall be submitted to the Department.
- During periods of startup, shutdown, and malfunction, the owner or operator shall operate and maintain equipment in accordance with the procedures specified in the plan.
- This general permit is valid only for the specific activity indicated. Any deviation from the specified activity and the conditions for undertaking that activity shall constitute a violation of the permit.
- The owner or operator of any relocatable nonmetallic mineral processing plant proposing to change location shall notify the Department by telephone, e-mail, fax, or written communication at least one (1) business day prior to changing location and transmit (by e-mail, fax, post, or courier) a Facility Relocation Notification Form to the Department no later than five (5) business days following relocation.
- Use of the AG does not eliminate the necessity for the owner/operator or authorized representative to obtain any other federal, state, or local permits that may be required, or relieve the owner/operator or authorized representative from the duty to comply with any federal, state, or local requirements that may apply.

Collocated Facilities

A facility using this air general permit may collocate with other facilities that separately registered for, and are also using, the nonmetallic mineral processing plant AGP, and with facilities using the concrete batching plant air general permit, provided the following conditions are met:

- The collocation site shall not contain any emissions units and pollutant-emitting activities other than concrete batching plants using air general permits, nonmetallic mineral processing plants using air general permits, and nonmetallic mineral processing plants or other emissions units and pollutant-emitting activities exempted from permitting.
- The fuel usage limitations shall apply to the collocation site. The owners or operators of all collocated concrete batching plants and nonmetallic mineral processing plants shall maintain records to account for site-wide fuel consumption for each calendar month and each consecutive twelve (12) months.

Record-keeping

- Records of compliance with the plan shall be kept onsite for a minimum of five years and shall contain a certification statement signed by the owner or operator that the documentation is true, accurate, and complete, based upon information and belief formed after reasonable inquiry.

Equipment Maintenance

- All nonmetallic mineral processing plants units shall be maintained in proper working order in accordance with the manufacturer's specifications to ensure the integrity and efficiency of the equipment.
- If a nonmetallic mineral processing plants unit contains a defect that affects the integrity or efficiency of the unit, the unit shall be taken out of service. The unit shall not be operated until it has been repaired or adjusted.
- A written plan containing operating procedures for startup, shutdown and malfunction shall be maintained and followed during those events.

❖ Who do I contact regarding questions about AGPs and/or registration procedures?

- Please contact the Department's Small Business Environmental Assistance Program by phone at 1-800-722-7457 or by email at Small.Business@dep.state.fl.us.

DISCLAIMER: This handout is for guidance purposes only. It is not official rule language and does not include a comprehensive listing of all environmental regulations that may be applicable to Nonmetallic Mineral Processing Plants. Please refer to Rule 62-210.310(5)(e) for complete and up-to-date rule language.