

**NON-METALLIC MINERAL CRUSHING AND SIZING OPERATION WITH WET SUPPRESSION
GENERAL PERMIT
NOTICE OF INTENT FORM (APC 204)**

Definitions

For the purpose of the Notice of Intent (NOI) APC 204, the following definitions apply:

Emission Unit means a piece of equipment that emits or has the potential to emit air contaminants.

Equipment or **Equipment Type** means feeder, crusher, screen, belt conveyor, screw conveyor, bin, pug mill, grinding mill, bucket elevator, bagging operation, storage bin, enclosed truck or railcar loading operation, etc. Note that NSPS Subpart OOO lists many of these as “affected facilities”. However, the term “equipment” is used in this NOI so as not to confuse it with the term “facility”, below.

Facility or **Nonmetallic Mineral Crushing and Sizing Operation** means all nonmetallic mineral process emission sources under common control located at a single site (often a quarry) or multiple contiguous or adjacent sites. A facility may have multiple process emission sources such as a stationary crushing and sizing process, a mobile crushing and sizing process, and a mobile screening process.

Initial Material Input Point(s) means the first piece of equipment in the process in which nonmetallic mineral is introduced into the Process Emission Source. Initial material input points are usually a feeder, but can also be the primary crusher or, for screening only process emission sources, the primary screening unit. A single Process Emission Source may have more than one initial material input point.

Like-for-Like Replacement means replacement of an existing, non-NSPS piece of equipment with a piece of equipment of equal or smaller size or capacity, as defined below, having the same function as the existing equipment, and there is not increase in the amount of emissions. An existing, non-NSPS equipment is one that commenced construction, modification, or reconstruction on or before August 31, 1983. Like-for-Like Replacement does not apply if the replacement involves replacing all existing equipment in a production line with new equipment. Like-for-Like Replace equipment may include the following pieces of equipment in a fixed or portable nonmetallic mineral processing plant: each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station. Also, crushers and grinding mills at hot mix asphalt facilities that reduce the size of nonmetallic minerals embedded in recycled asphalt pavement and subsequent affected facilities up to, but not including, the first storage silo or bin. (Note that NSPS Subpart OOO uses the terms “affected facility” and “existing facility.” The term “equipment” is used in this definition so as not to confuse these terms with the term “facility” that is used in air quality permits issued by the Tennessee Division of Air Pollution Control and in the Division’s internal and external-facing databases and is defined above.

Process Emission Source is defined in Tennessee Air Pollution Control Rule 1200-03-02-.01(1)(qq) as: “one or more units of processing equipment which may be operated independently of other parts of the operations at any given manufacturing or processing facility; also, where it is common practice to group more than one unit of like or similar processing equipment together and to apply a single or combined unit of air pollution control equipment to the emissions of the entire group, such group of units shall be construed as a process emission source.”

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It is common practice for the Division to group portions of a nonmetallic mineral crushing and sizing facility into more than one process emission source. Common separate process emission sources located at a single facility include stationary (or fixed) rock crushing and sizing operations, portable rock crushing and sizing operations, portable screen operations, and agricultural lime crushing and sizing operations (portable and stationary).

In addition, NSPS Subpart OOO uses the term “production line”, which is defined in 40 CFR 60.671 as:

...all affected facilities (crushers, grinding mills, screening operations, bucket elevators, belt conveyors, bagging operations, storage bins, and enclosed truck and railcar loading stations) which are directly connected or are connected together by a conveying system.

The NSPS concept of a production line is very similar to the Division’s common practice of grouping equipment at a facility into process emission sources.

Applicants that submit an NOI for coverage under this general permit and permittees that submit an NOI for a change to under an issued Notice of Coverage (NOC) should follow this common practice.

Size or **Capacity** means as follows:

For crushers, feeders, grinding mills, bucket elevator, bagging operation, and enclosed truck or railcar loading operation: the design operating rate in tons per hour (tph)

For screens: the total surface area of the top deck of the screen unit in square feet (sqft)

For belt conveyors: the width of the conveyor in inches (")

For screw conveyor: the diameter of the screw in inches (")

For bins and pug mills: the design capacity in tons, megagrams, or cubic yards (cuyd)

The term Size for this NOI is very similar, but not identical, to the definition in NSPS Subpart OOO.

Instructions

1. The organization’s legal name is the name under which the company is registered with the Tennessee Secretary of State (SOS). The organization’s legal name and SOS control number can be found on the SOS website at <https://tnbear.tn.gov/Ecommerce/FilingSearch.aspx>. If the organization is not registered with the SOS, then the owner’s name must be listed.
2. The site name should be indicated if different from the organization’s legal name.
3. Site address should indicate as clearly as possible the location of the crushing and sizing facility including the county. This need not be a mailing address. If it is a rural location, indicate the direction and approximate distance from a well-established reference point such as a town or major road intersection.
4. North American Industrial Classification System (NAICS) or Standard Industrial Classification (SIC) code of facility. Facilities with the following NAICS and SIC codes are eligible for coverage under the Nonmetallic Minerals Crushing and Sizing general permit:

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NAICS Code	SIC Code	Description
212311	1411	Dimension Stone Mining and Quarrying
212312	1422	Crushed and Broken Limestone Mining and Quarrying
212313	1423	Crushed and Broken Granite Mining and Quarrying
212319	1429, 1499	Other Crushed and Broken Stone Mining and Quarrying
212321	1442	Construction Sand and Gravel Mining
212322	1446	Industrial Sand Mining
212324	1455	Kaolin and Ball Clay Mining
212325	1459	Clay and Ceramic and Refractory Minerals Mining
212391	1474	Potash, Soda, and Borate Mineral Mining
212393	1479	Other Chemical and Fertilizer Mineral Mining
212399	1499	All Other Nonmetallic Mineral Mining

5. Location of the site should be entered in latitude and longitude to the nearest second or in decimal form. Examples: 36° 9'48" N, 86° 46'44"W or 36.1632, -86.7788. Internet sites, such as Google Maps (www.google.com/maps) can be used to find your exact latitude and longitude. In Google Maps, after you enter your address, you can right-click on your location and see the coordinates in latitude and longitude. Also, many phones have a built-in app that can give latitude and longitude.
6. The Responsible Person may be the owner, president, vice-president, general partner, plant manager, environmental/health/safety coordinator, or other person that is able to represent and bind the facility in environmental permitting affairs.
7. If different from Responsible Person, the Technical contact is someone who can be contacted concerning possible questions regarding the NOI. Mailing address is the address to which general permits notices of coverage or other correspondence concerning the NOI normally be mailed. An in-state address is preferred and should be used whenever possible.
8. If different from Responsible Person, the Billing contact is someone who can be contacted concerning possible questions regarding fees (application, annual emissions, etc.). Mailing address is the address to which fee notices or other correspondence concerning fees will normally be mailed.
9. Select the "Yes" radio button and enter the date of ownership change if the current owner of the facility is different from what is reflected in the most recently issued air quality permit or general permit NOC or in a change of ownership notification submitted in accordance with condition G9.B. of the general permit. Specify information regarding the previous owner in section 13. Note that air quality permits and Notices of Coverage are not transferable from one location to another. If there has been no change of ownership, select the "No".
10. Subparagraph (1)(a) of Tennessee Air Pollution Control Rule 1200-03-09-.06 states that **new** and **modified** sources located in areas that have been designated nonattainment for the pollutant that the source emits are not eligible for coverage under a general permit. The pollutant in question for this general permit is Particulate Matter (PM). Current PM nonattainment areas can be found by going to U.S. EPA's "Green Book" (www.epa.gov/green-book), selecting the link to the most recent

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PM standard, then selecting “State/County/Area List” under “Nonattainment Area Selections”. (Note that there are no PM nonattainment areas in Tennessee for the 1987, 1997, 2006, or 2012 standards).

11. NOI Submitted for Issuance of a Notice of Coverage (NOC) – NOCs can be issued for three different situations. All are voluntary.
 - Operation of Existing Facility: Existing facilities that hold a traditional air quality permit (including facilities that have received a construction permit but have not yet started) can opt-in to the nonmetallic mineral crushing and sizing general permit. This can be done at any time. Enter the Facility ID Number and Permit Number(s) of the current permit(s). Both numbers can be found on the existing permits.
 - Construction of a New Facility: Construction and operation of a new nonmetallic mineral crushing and sizing operation may be done by submitting an NOI and receiving an NOC. A new facility may have one or more process emission sources, as defined above. NOIs for construction of a new facility must be submitted at least 60 days prior to the estimated construction start date. The new facility may not begin construction or installation until an NOC has been issued. Enter the planned start and completion of construction dates in the boxes provided.
 - Public Notices for NOCs for construction of a new facility will be posted on TDEC’s website and will be subject to a 30-day comment period.
 - All NOIs for construction of a new facility received by the Division of Air Pollution Control (DAPC) on or after July 1, 2024, must pay a \$100 application fee. Check the box if this fee applies and payment has been submitted. See information at the end of these instructions regarding application fees.
 - Existing facilities that have been constructed and may or may not have begun operation but were not issued a traditional air quality permit, approval of a change made under the provisions of TAPCR 1200-03-02-.01(1)(aa)4 (previously referred to as a non-Title V operational flexibility change), or general permit NOC, should mark both “Operation of Existing Facility” and “Construction of New Facility”. Enter the Facility ID Number and Permit Number of the current permit(s). The NOI will be processed as an NOI for Construction of a New Facility.
 - Renewal of Coverage Under New General Permit: General Permits expire ten years from the date that is specified on the cover page of the General Permit (not the date of the NOC). It is the Division’s intent to issue new General Permits for all categories covered by General Permits on or prior to the expiration of the current General Permit. Holders of an NOC for General Permit G00004 should submit an NOI for renewal of coverage under a new General Permit for nonmetallic mineral crushing and sizing facilities at least 30 days prior to the expiration of General Permit G00004. Enter the Facility ID and NOC number (Notice of Coverage Number) for the current NOC.
12. NOI Submitted for Changes at a facility that has been issued an NOC – Two types of changes can be made to a facility that holds an NOC for a nonmetallic mineral crushing and sizing facility:
 - Like-for-Like Replacement of Equipment in accordance with Condition F1-2 and as defined in these instructions.

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- The permittee should enter “Like-for-Like” in the “Action” column of section 14.
 - The equipment being replaced should be designated in section 14 as “Remove” and the replacement equipment should be designated as “Add”.
 - The like-for-like replacement should be explained in comment box at the end of section 14 for the Process Emission Source in which the like-for-like replacement occurs.
- Off-Permit Change in accordance with Condition S1-3: This box should be checked for all other equipment changes at a facility that has been issued an NOC for nonmetallic mineral crushing and screening operations.
 - For all NOIs for changes at a facility that has been issued an NOC, enter the APC Facility ID number and the current NOC number, both of which can be found on the issued NOC.
 - The NOI for either type of change should include **all** of the equipment at the facility following the change, including equipment which remains unchanged.
 - Both Off-Permit changes and Like-for-Like Replacements must be submitted at least seven days in advance of the proposed change or replacement.
- 13.** In addition to any ownership information required by item 9, include any changes made to the facility since the last air quality permit application or general permit NOI in section 13.
- 14.** Equipment List – Use this section to provide information about every emissions unit (piece of equipment) included in each process emission source at the facility. Each time an NOI is submitted, a complete list of **all emission units** for **all process emission sources** must be included. This includes all equipment being added and removed and equipment that will remain unchanged. By including all equipment on the list, both the facility and DAPC will have a single list to refer to at any time, including during facility inspections. Each process emission source, as defined in these instructions, should be listed separately with all of the equipment contained in that process emission source listed. There are separate sets of tables for four separate processes (14.A., 14.B., 14.C., and 14.D.) The forms for the first process emission source (14.A.) contains rows for about 45 emission units and should be used for the largest process (e.g., the stationary crushing and sizing process). The three remaining sets of forms (14.B. through D.) contain rows for about 25 emission units and should be used for the smaller processes (e.g., portable crushing and sizing operations, portable screening operations). If the facility contains more than four process emissions sources of more emission units than can be accommodated on the NOI form, a separate document which contains the same information as the form should be submitted.

For each Process Emission Source, the applicant should provide a Process Emission Source ID (to differentiate separate process emission sources at the facility) and a description of the Process Emission Source (e.g., stationary crushing and screening plant, portable crushing and screening unit, portable screening unit, portable lime unit). The Process Emission Source ID should be a two-digit number and can be found on a facility’s existing permit. Often, the Process Emission Source ID is combined with the Facility ID (items 11 and 12 of the NOI). For example, for a combined ID of 19-9999-02, 19-9999 is the Facility ID (with 19 being the county code and 9999 being the facility ID within that county) and 02 is the Process Emission Source ID. For existing permitted process emission sources, this should be the same source ID and process description as used in the current permit. However, where DAPC has assigned multiple source IDs for a single process emission source,

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the applicant should use a single Process Emissions Source ID for the Process Emission Source in the NOI.

The applicant should list the design capacity and actual operating rate for the process emission source, both in tons per hour. When determining the design capacity, the applicant should calculate it based on the densities and soil/rock ratios, and any other parameters that would affect throughput, that would result in the highest possible material input to the process. The design capacities of each process emission source are used to calculate the cumulative capacity of the facility to be reported in item 15, which is used to determine applicability in accordance with condition P2.

The applicant must attach a flow diagram for each process emissions source with the NOI. The flow diagram must show each emission unit, including each crusher, screen, belt conveyor, screw conveyor, bin, pugmill, grinding mill, bucket elevator, bagging operation, enclosed truck or railcar loading operation, feeder, etc. Each emission unit must be labeled with a reference number. If the NOI is submitted for a change to a facility that holds an NOC for the General Permit, two flow diagrams must be attached: one showing the equipment before the change and one showing the equipment after the change. Equipment in the flow diagram must be labeled using the flow diagram reference number indicated in the rows below. Check the appropriate box to confirm that a flow diagram is attached to the NOI and, if applicable, flow diagrams that show the process before and after the change.

The following should be included for each emission unit that is part of the process emission source:

- Specify a Reference Number – This number should be used in the flow diagrams that must be submitted along with the NOI.
- Equipment Type – See definition above
- Make and Model of the equipment
- If the equipment is the initial material input point for the process emission source, select “Yes” from the drop-down list, otherwise select “No”. If there is more than one initial material input points for the process emission source, enter “Yes” for each point. The values in the capacity column for this equipment should be the same as (or if multiple input points, equal to) the value of the Design Capacity for the process emission source.
- Specify whether the equipment is being added, removed, is part of a Like-for Like Replacement, or will remain unchanged (“No Change”) by selecting the appropriate item from the drop-down list.
 - If the equipment added or removed is or was part of a like-for-like replacement (see definition above) please indicate the reference number and date of replacement of the existing equipment with the replacement equipment in the comment box below the equipment list section for the process emission source. This information will be used to determine if equipment manufactured after August 31, 1983, is exempt from NSPS OOO because it was added as a like-for-like replacement.
- Size or Capacity – Us units and abbreviations specified in definition above. Include the appropriate units (tons/hr (tph), cubic feet (cuft), inches (in), tons, megagrams (Mg), cubic yards(cy))
- Date of Manufacture of the equipment

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- “Subject to NSPS – after 8/31/1983, before 4/22/2008 (yes/no)” and “Subject to NSPS – on or after 4/22/2008 (yes/no)”
 - If the equipment in question was constructed, modified, or reconstructed on or before August 31, 1983, it is not subject to NSPS Subpart OOO. Select “No” in both columns.
 - If the equipment in question was added as a like-for-like replacement, it is not subject to NSPS OOO. Select “No” for both columns.
 - If the equipment in question **is not** one of the following, it is not an NSPS affected facility. Select “No” in both columns.
 - a crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station, at a fixed or portable nonmetallic mineral processing plant, or
 - a crusher or grinding mill at a hot mix asphalt facility that reduces the size of nonmetallic minerals embedded in recycled asphalt pavement and subsequent affected facilities up to, but not including, the first storage silo or bin.

If the equipment in question is one of the equipment types listed above, was constructed, modified, or reconstructed after August 31, 1983, and was not added as a like-for-like replacement, it is subject to NSPS Subpart OOO. The NSPS monitoring, testing, recordkeeping, and opacity limits are different for equipment depending on when it was constructed, modified, or reconstructed. If the equipment is subject to NSPS, select “Yes” in the appropriate column and “no” in the other.

- If the equipment is equipped with a wet suppression system, select “Yes” in the Equipped with Wet Suppression System. If a control mechanism other than wet suppression is used to reduce fugitive emissions (i.e., water carryover from upstream water sprays) or the equipment is a wet material processing operation (as defined in 40 CFR 60.671) from the source, select “No” and provide an explanation in the comment box below the equipment list section for the process emission source.
- For conveyors only – Indicate if it discharges only to stockpiles by selecting “Yes” from the dropdown list. Such conveyors are not considered to have a “transfer point” and therefore not subject to the opacity limits of Subpart OOO. (See definition of Transfer Point in 40 CFR 60.671.) Otherwise, select “No”.
- Added Equipment Columns – These columns are for equipment that is being added through submission of the NOI (including like-for-like replacements).
 - If a performance test required by NSPS OOO has already been completed on equipment being added, such as at another location, please select “Yes” from the drop-down list and enter the test date. A copy of the visible emissions evaluation for this piece of equipment from that performance test should be submitted along with the NOI. If the visible emissions evaluation of the past performance test is not available, a repeat of the initial performance test for that piece of equipment must be completed at the new location.
 - If a performance test is required by NSPS OOO but has not been completed, select “No”
 - If the piece of equipment is not subject to the performance test requirement of NSPS OOO, leave the field blank
 - Enter the planned date of installation of the equipment.

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- Removed Equipment – Enter the planned date of removal. This includes of the equipment being replaced as part of a like-for-like replacement.
- Repeat the Process Emission Source ID from the first page of each Process Emission Source (14.A., 14.B., 14.C., or 14.D.) for each of the pages which contain equipment.

15. Enter the cumulative capacity of the initial material input point(s) in tons per hour, as defined above, for all Process Emission Sources at the facility. This should be the sum of the Design Capacities for each Process Emission Source listed in section 14.A., 14.B., 14.C., and 14.D of the NOI (and as listed in the separate document if the facility has more than four process emission sources.)

16. NOIs should be signed by the responsible person listed in Item 6. The NOI should be dated and indicate the responsible person's name and title. Unsigned and/or undated NOIs will be considered incomplete and will not be processed.

Portable or Stationary Engines

Nonmetallic mineral crushing and sizing operations may include wheel-mounted or track-mounted equipment powered by nonroad or stationary engines. No construction or operating permit is required for any nonroad engine that meets the requirements identified in the general permit. Stationary engines are not covered by this general permit, and the owner/operator of a nonmetallic mineral crushing and sizing operation must apply for traditional construction and operating permits for any stationary engine. The applicant must submit forms APC 100 (Facility Identification) and APC 102 (Process or Fuel Burning Source Description) for all non-exempt engines. The nonmetallic mineral processing equipment powered by stationary engines remain eligible for coverage under the terms of the general permit.

Application Fees

All NOIs for construction of a new facility received by the Division of Air Pollution Control (DAPC) on or after July 1, 2024, must pay a \$100 application fee. Check the box in section 11 if this fee applies and payment has been submitted.

Make the check payable to the Division of Air Pollution Control and mail your payment to:

Division of Fiscal Services - Consolidated Fees Section
500 James Robertson Pkwy, 6th Floor
Nashville, TN 37243

For online payments via credit card, ACH and Electronic Funds Transfer (ETF) please find the instructions on the following link: [Air Pollution Control \(APC\) Fees \(tn.gov\)](https://www.airpollutioncontrol.tn.gov/fees)