

## Module 17: Air Pollution and Noise Control Plan

[Chapters 121,123,127,129/NSMCRA 3323(a)(3)/§§ 77.455/77.575]

### 17.1 Processing Facilities

- a) Indicate whether or not there are any processing facilities in the permit area. (Key to Exhibit 9) and specify the mineral(s) to be processed.

Type of Processing Facility	YES	NO	If YES: DRY	WET	Minerals/Product
Crushing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>Limestone</u>
Screening	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>Limestone</u>
Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Stockpiling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Limestone</u>

- b) Describe the processing facilities and the amount of minerals to be processed.

*The processing facilities will consist of an impact crusher, jaw crusher, cone crusher, vibratory screen, and radial stacker. The operator is proposing to process 325,000 TPY of limestone.*

- c) Provide the date that the DEP Regional Air Quality Office was contacted or, if applicable, provide a copy of the DEP Air Quality Program's determination to grant an exemption from the Air Quality Permit requirements and of any authorizations granted under the Air Quality General Permit for Portable Nonmetallic Mineral Processing Plants (BAQ-GPA/GP-3).

*The on site equipment was added to the air quality permits (GP3-00970e and GP11-63-00970B) in April of 2021. This equipment was new to the site at that time as Neiswonger went from the usage of Diesel fired engines to equipment that is run by electricity. The electricity was run to the pit floor in the spring of 2021.*

**Note:** All crushing and screening of noncoal minerals other than sand and gravel will require a separate Air Quality Permit from the DEP Regional Office Air Quality Program unless that Program makes a determination to grant an exemption. Crushing and/or screening of sand and gravel will require a separate Air Quality Permit from the DEP Regional Office Air Quality Program except for wet sand and gravel operations (screening only) and wet or dry sand and gravel operations (crushing and/or screening) unconsolidated material with a rated capacity of processing less than 150 tons per hour unless that Program makes a determination to grant an exemption. BAQ-GPA/GP-3 may be used for authorizing the construction, operation, and modification of portable nonmetallic mineral processing plants that will be located at the mine site.

- d) Is the processing facility to be operated by the mining permittee? Yes  No   
 If so, will the Air Quality permit be held by the mining permittee or a third party? Permittee  Third Party

## 17.2 Air Pollution Control Plan

Provide a description of the air pollution control plan including what measures will be taken to reduce dust from the following activities:

a) Access roads, haul roads and adjoining portions of the public road

*Access roads and haul roads will be controlled by the periodic application of water and/or crushed non-toxic stone. Water, if utilized, will be applied by spraying with a water truck or a similar technique. The operator will ensure the prompt removal of earth or other materials from the adjoining portions of the public road.*

b) Truck traffic (including fugitive particulate material from truck loads).

*Truck traffic speed will be limited to 15 mph within the site to prevent the creation of fugitive particulate material. Trucks will be tarped as necessary to prevent particulate matter "blow-off" while the truck is moving.*

c) Drilling operation.

*Drill rigs will be equipped with hoods and dust collection devices to control the dust associated with drilling activities.*

d) Overburden removal and mineral extraction

*Overburden removal will take place with dozers pushing the material and/or with trucks and high lifts. There is sufficient moisture in the overburden material to prevent ambient dust from being generated by pushing the material with a dozer. High lifts will minimize the drop of overburden material into the trucks. The speed of the trucks will be maintained at 15 mph maximum to prevent the generation of dust on haul roads.*

*Once mining operations are underground, surface dust will only be a problem in the stockpile area and along access roads.*

e) Stockpiles (overburden, topsoil, product).

*A temporary seed mixture will be applied to the topsoil stockpile areas to prevent wind erosion. Stockpiles of product will be kept moist as necessary to prevent wind erosion.*

f) Loading and unloading areas.

*Loading and unloading areas will be watered as necessary to keep fugitive particulate material from being generated. Dumping of product into trucks will be conducted in a manner to keep the amount of drop to a minimum. The amount of drop from any conveyor or transfer point will be kept to a minimum.*

g) Crushing and other processing equipment.

*Crushing and processing equipment will be maintained with hoppers and covers where applicable. Moisture will be added to the product being processed as needed to control fugitive particulate production. The crusher will be addressed and regulated as part of the GP-3.*

## h) Conveyors.

*For the short conveyors associated with the portable crushing unit, there should not be a dust problem. The product on the conveyors will be moist from the processing equipment. No covers are proposed since the time on the belt will not be long enough to allow for drying and wind erosion.*

*Any long overland conveyors will be covered to help prevent fugitive dust generation. Drops from conveyors will be as short as possible to reduce dust generation. Spray bars can be added where necessary to reduce fugitive dust.*

Activities under 17.2 a) through h) which are addressed and regulated as part of a separate Air Quality Permit do not need to be included in this module. Indicate which activities (or specific aspects of an activity) are addressed under a separate Air Quality Permit.

**17.3 Noise Control Plan**

- a) List all noise sources from equipment and mining activity that will originate within the permit area.

*Noise from the site will consist of the following:*

- *Trucking has limestone is hauled out in and out of the site*
- *Limestone Processing plant. Material crushers, stone conveyors, a diesel generator*
- *Underground blasting*

- b) Indicate the hours of operation for mobile and stationary equipment: *As per Operator, equipment runs weekdays, daylight hours typically from 6 am to 4 pm.*

- Continuous 24 hours a day. Which equipment?  
 Night time hours. Which equipment?  
 Weekends. Which equipment?  
 Holidays. Which equipment?

- c) Are any of the following located adjacent to the proposed mine operation? Check all that apply and include distance and details.

- Residential Areas  
 Schools  
 Hospitals  
 Churches

*Details: The East Bethlehem Church is just off the mining property boundary. It is identified as property number 15 on the Exhibits.*

- d) Describe the pre-mining environmental sound levels within the adjacent area during weekdays, night time, weekends, and holidays.

*Currently the site has an above ground mining site ongoing. The sound levels of the area will not change with the underground mining. There are no plans to change the shift schedule. Per Operator, the site operates during daylight hours, typically 6 am to 4 pm.*

- e) Has a noise study been conducted to characterize the pre-mining noise levels of the surrounding area and estimate the noise levels from the proposed mine operation?  Yes  No  
 If yes, submit that study.

- f) Describe the measures (best management practices) that will be taken to mitigate noise and prevent noise from becoming a public nuisance.

*OSHA approved equipment will be used on site. All equipment will be equipped with the proper mufflers and devices to reduce noise. All items will be repaired, maintained and serviced. All equipment is modern with up to date noise suppressant controls. The use of "Jake Brakes" will be minimized. Barriers of topsoil or spoil will be maintained where possible to screen equipment from occupied dwellings.*