

## **MODULE 17**

**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 type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | _____                                |
| Screening                   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | _____                                |
| 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>overburden soils and cap rock</u> |

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

**Not Applicable (N/A).** Mined rock will be transported via truck to adjacent processing facilities at the Charmian Site, near the former West Ridge Quarry that are operated under a separate permit (6477SM5). There is also a mobile crushing plant at adjacent Pitts Quarry (SMP 01930302) that may be used to crush the rock prior to transport.

- 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).

**N/A**

**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  **N/A**  
 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

**Haul roads will be watered or otherwise treated (as needed) to solidify the road surface and limit dust generation.**

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

**All internal roads and other areas encountering heavy truck traffic will be watered and/or otherwise treated, on an as-needed basis, to limit dust emissions.**

- c) Drilling operation.

**On-board dust collection and/or water sprays on drill rigs will be used to limit dust generation.**

- d) Overburden removal and mineral extraction

**During overburden soil removal and rock extraction, water trucks will be employed on an as-needed basis to limit dust emissions. Additionally, water can be sprayed onto shot rock as another measure of dust control should conditions warrant such activity. Overburden soils removed during the Northern Tract Quarry development will generally be stockpiled on site and then incrementally stabilized and vegetated/reclaimed. Extracted rock will be transported to processing facilities at the existing, permitted Charmian Site.**

- e) Stockpiles (overburden, topsoil, product).

**Overburden soils/cap rock stockpiles will be seeded and vegetated as soon as practicable after reaching final grade to stabilize the surface and limit erosion. Additionally, water can be sprayed onto stockpiles as another measure of dust control. Product stockpiles will be sprayed as needed.**

- f) Loading and unloading areas.

**Water will be applied to suppress dust at loading and unloading areas as needed.**

- g) Crushing and other processing equipment.

**N/A. There is no crushing or other processing equipment within the proposed permit boundary.**

- h) Conveyors.

**N/A. There are no conveyors within the proposed permit boundary.**

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**

Describe the measures that will be taken to prevent noise from becoming a public nuisance.

**There are planned setbacks (maintained and operational buffers) in place from adjacent homes and roads to limit noise to the public. Vegetated screenings will be used to the extent possible to help mitigate noise levels as well. Best management practices will be utilized at all times to minimize the creation of noise. Intermittent blasting will be limited to daylight hours. SGI will also use best management practices and blasting plans to minimize noise levels (over pressure) associated with blasting. Such measures may include using sufficient stem length and blasting when wind and cloud cover conditions are favorable. Also, when heavy, low cloud cover is present, noise level (overpressure) values will be higher than normal in surrounding areas. Therefore, SGI will avoid blasting if predicted noise level (overpressure) values in noise-sensitive places exceed acceptable levels. Blasting used for mining shall be designed and conducted to achieve either a minimum scaled distance of 30 or meet the maximum allowable peak particle velocity indicated by Figure 1 of 25 PA Code Chapter 211.151(c) and not exceed the noise levels specified in Table 1 of 25 PA Code Chapter 211.151(d) at the closest building not owned or leased by the permittee or its customer. The closest building not owned or leased by the permittee or its customer is roughly 890 feet from the proposed limit of extraction, or approximately 270 from the permit boundary.**