

FUGITIVE DUST CONTROL PLAN

PURPOSE: This plan provides dust control strategies for the areas adjacent to and associated with the equipment operations involved in the manufacture of Durock cement panels and various raw and calcined gypsum products.

1. GENERAL SITE MAINTENANCE

- a. Dust on all areas inside and outside the facility where vehicular traffic will travel shall be controlled by the application of water, sweeping, vacuuming, or other acceptable dust control method. This will occur a minimum of two times per month or more frequently as dictated by weather conditions and vehicular activity. The dust control method shall be acceptable as determined by the District Supervisor.
- b. A facility map and log will be utilized (see attachment A and B) to track sweeping activities at the plant.

2. MANAGEMENT OF ON-SITE ROADWAYS

- a. The speed of vehicles on the site will be limited to 10 miles per hour or less. Signs will be posted to advise drivers of the speed limitation.
- b. All the roadways on which the vehicles will travel are paved. This includes the roadways on which the vehicles travel around the facility and loading/unloading areas.
- c. The paved plant roads shall be controlled by the application of water, sweeping, vacuuming, or other acceptable dust control method that minimizes the introduction of the dust to the ambient air to control fugitive dust emissions and track-out dust. This will occur a minimum of two times per month or more frequently as dictated by weather conditions and vehicular activity. The dust control method shall be acceptable as determined by the District Supervisor.
- d. Unpaved travel surfaces shall be controlled by the application of water, sweeping, vacuuming, or other acceptable dust control method on a frequency sufficient to meet the visible emission opacity standard of five (5) percent opacity specified in Section 5524 of Article II, Chapter 1, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended.
- d. Any aggregate spillage on roads shall be removed immediately.

3. ON-SITE MANAGEMENT OF HAUL VEHICLES

- a. **INCOMING TRUCKS:** All trucks entering the site to deliver aggregates will be required to have the loads covered.
- b. **OUT-GOING TRUCKS:** All trucks leaving the site will be required to be closed tankers or cover their loads prior to leaving the site.

4. MANAGEMENT OF FRONT-END LOADER OPERATIONS

- The front-end loader operator shall be directed to avoid overfilling the bucket of the loader and the dump boxes to prevent spillage, and to minimize the drop height of the material when loading the dumpsters or transferring material to stockpiles.
- c. Stock piling will be performed in a manner that minimizes freefall drop distance.
 - d. Piles will be maintained to prevent fugitive dust. This includes the use of watering, covering or enclosed storage of material.

5. RECORDKEEPING

Records of dust control activities on travel surfaces and other surfaces where fugitive dust emissions could occur shall be kept on file and made available to MDEQ staff upon request. Records will be retained for at least a two year period. The records will indicate the date, time, what was observed or the reason for the dust control activity (routine or other), and what action was taken. The record shall be maintained in the environmental records for a period of at least 5 years and will comply with requirements listed in the current ROP in appendix 4-1.

6. FUGITIVE EMISSIONS FROM PROCESS EQUIPMENT AND FABRIC FILTER DUST COLLECTOR

Any fugitive emissions from leak(s) and malfunction(s) from any transfer system, storage bin, mixer, hopper, or fabric dust collector will result in the equipment being shut down until the cause can be determined. The equipment will remain down until appropriate repairs are completed.

ATTACHMENT B

