

PLUME COUNTY
AIR POLLUTION CONTROL REGULATIONS

12.0 Quarrying Operation

- a. No person shall permit visible emissions from a blasting operation to exceed one minute in time from the detonation of blast chemicals.
- b. A heavy wire mesh, with holes no larger than 2 inches in diameter, shall be used by all persons to cover the blast area and contain dust and debris during a blast.
- c. No person shall operate a motorized vehicle or equipment on haul roads unless a dust suppressant has been applied once in a 12-hour period to control dust. A dust plume shall not linger or exist beyond 50 feet from a vehicle in motion.
- d. Paragraph c. does not apply during those 24-hour periods when rain has accumulated to a depth of 0.3 inches in a gauge located near the quarry.
- e. All material transfer points shall not exceed 5% opacity.
- f. All opacity recordings shall follow procedures in Method 9.

10.E Cement Production

1. No owner or operator shall cause to be discharged into the atmosphere from any kiln any gases which:
 - a. Contain particulate matter more than 0.30 lbs. per ton of feed.
 - b. Exhibit greater than 5 percent opacity.
 - c. Particulate test methods shall follow procedures of Method 5.
 - d. All opacity readings shall follow procedures of Method 9.

2. No owner or operator shall cause to be emitted into the atmosphere from any emission point other than the kiln in a cement production facility any gases which exhibit 5 percent opacity or greater.

Title V Permit for Cyclone Cement Company (issued March 15, 2011)

1. On conditions that:
 - a. Allow 12 hours per day operation of the quarry.
 - b. Quarry operations shall comply with 12.0. of the Plume County Code for Air Pollution Control.
 - c. No operations shall begin before 6 AM and extend past 9 PM each day.
2. Permit the operation of kiln #1 which is a 1500 ton per day kiln which shall comply with 10.E. of the Plume County Code for Air Pollution Control. The kiln is to be only fired with natural gas and controlled by a baghouse before being exhausted to a 25-megawatt power generator.
3. Permit the operation, for research and trial run testing purposes, a second 900-ton per day kiln #2 which is controlled by a first-generation electrostatic precipitator. The testing program must commence no later than June 1, 2011. The purpose is to test the usage of supplemental fuels in the kiln. No later than 6 months after testing is complete this kiln must meet 10.E. of the Plume County Code for Air Pollution Control.
4. No hazardous waste substances shall be burned. Hazardous waste shall be any medium that contains measurable amounts of any chemical material listed in Appendix 230.