

**15A NCAC 02D .0509 PARTICULATES FROM MICA OR FELDSPAR PROCESSING PLANTS**

(a) The allowable emission rate for particulate matter resulting from the processing of mica or feldspar that are discharged from any chimney, stack, vent, or outlet into the atmosphere shall not exceed the level calculated with the equation  $E = 4(P)^{0.677}$  calculated to three significant figures for process rates less than or equal to 30 tons per hour. For process rates greater than 30 tons per hour but less than 1,000 tons per hour, the allowable emission rate for particulate matter shall not exceed the level calculated with the equation  $E = 20.421(P)^{0.1977}$  calculated to three significant figures. For process rates greater than or equal to 1,000 tons per hour but less than 3,000 tons per hour, the allowable emission rate for particulate matter shall not exceed the level calculated with the equation  $E = 38.147(P)^{0.1072}$  calculated to three significant figures. The allowable emission rate shall be 90.0 pounds per hour for process weight rates equal to or greater than 3,000 tons per hour. For the purpose of these equations, "E" equals the maximum allowable emission rate for particulate matter in pounds per hour and "P" equals the process weight rate in tons per hour.

(b) Fugitive non-process dust emissions shall meet the requirements of 15A NCAC 02D .0540.

(c) The owner or operator of any mica or feldspar plant shall control process-generated emissions:

- (1) from crushers with wet suppression, and
- (2) from conveyors, screens, and transfer points,

such that the applicable opacity standards in 15A NCAC 02D .0521 or .0524 are not exceeded.

*History Note: Authority G.S. 143-215.3(a)(1); 143-215.107(a)(5);  
Eff. February 1, 1976;  
Amended Eff. April 1, 2003; July 1, 1998; April 1, 1986; January 1, 1985;  
Readopted Eff. November 1, 2020.*