

15A NCAC 02D .2614 DETERMINATION OF VOC EMISSION CONTROL SYSTEM EFFICIENCY

(a) The provisions of this Rule are applicable to any test method employed to determine the collection or control efficiency of any device or system designed, installed, and operated for the purpose of reducing volatile organic compound emissions.

(b) The following procedures shall be used to determine efficiency:

- (1) The volatile organic compound containing material shall be sampled and analyzed using the procedures contained in this Section.
- (2) Samples of the gas stream containing volatile organic compounds shall be taken simultaneously at the inlet and outlet of the emissions control device.
- (3) The efficiency of the control device shall be expressed as the fraction of total combustible carbon content reduction achieved.
- (4) The volatile organic compound mass emission rate shall be the sum of emissions from the control device and emissions not collected by the capture system.

(c) Capture efficiency performance of volatile organic compound emission control systems shall be determined using the EPA recommended capture efficiency protocols and test methods as described in the EPA document, EMTIC GD-035, "Guidelines for Determining Capture Efficiency."

(d) The EPA document, EMTIC GD-035, "Guidelines for Determining Capture Efficiency" cited in this Rule is hereby incorporated by reference including any subsequent amendments or editions. A copy of the referenced materials may be obtained free of charge via the Internet from the EPA TTN website at <http://www.epa.gov/ttn/emc/guidlnd.html>.

History Note: Authority G.S. 143-215.3(a)(1); 143-215.68; 143-215.107(a)(5);
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