

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

(a) This Rule shall apply to any test method used to determine the capture or control efficiency of any device or system designed, installed, and operated for the purpose of reducing volatile organic compound emissions.

(b) The control efficiency of volatile organic compound emission control systems shall be determined using the following procedures:

- (1) The volatile organic compound containing material shall be sampled and analyzed using the procedures set forth 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 a percent of the total combustible carbon content reduction achieved.

(c) The volatile organic compound mass emission rate shall be the sum of emissions from the control device and the emissions not collected by the capture system.

(d) Capture efficiency shall be determined using the EPA recommended capture efficiency protocols and test methods described in the EPA document, EMTIC GD-035, "Guidelines for Determining Capture Efficiency." This document is hereby incorporated by reference including 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://www3.epa.gov/ttn/emc/guidlnd/gd-036.pdf>.

*History Note:* Authority G.S. 143-215.3(a)(1); 143-215.68; 143-215.107(a)(5);  
Eff. June 1, 2008;  
Readopted Eff. November 1, 2019.