b. Exhibit visible emissions, the opacity of which is equal to or greater than 20 percent except for one six-minute period per hour of not more than 27 percent opacity. [391-3-1-.02(2)(d)3.]

4. Process & Control Equipment

MODIFIED CONDITIONS:

4.2 The Permittee shall maintain the combustion zone temperature of the regenerative thermal oxidizer (ID No. RTO) at 1,500 degrees Fahrenheit (1,500°F) until the performance test required by Condition 6.3 is completed.

After completion of the performance test, the Permittee shall operate the RTO with the combustion zone temperature at or above the minimum temperature set point established in accordance with Condition 6.8b.
[391-3-1-.02(6)(b)1.(i)]

5. Monitoring

MODIFIED CONDITIONS:

Phase I

5.2 The Permittee shall install, calibrate, maintain, and operate a system to continuously monitor and record the indicated parameters on the following equipment. Each system shall meet the applicable performance specifications(s) of the Division's monitoring requirements.
[391-3-1-.02(6)(b)1.]

a. The Permittee shall install, calibrate, maintain, and operate a continuous emission monitoring system (CEMS) for the measurement of VOC emission concentrations of the exhaust from the biofilter (ID No. BIO, via Stack S2). **The VOC CEMS shall be operated in accordance with the requirements for U.S. EPA's Performance Specification 8**.

b. The Permittee shall install, calibrate, maintain, and operate a temperature indicator for the measurement of the combustion zone temperature of the regenerative thermal oxidizer (ID No. RTO). The temperature monitoring device shall have an accuracy of ±2% (°F). Data shall be recorded continuously when the associated energy system and dryers (ID Nos. ES and DRY1 – DRY3) are in operation. This data shall be used to calculate hourly averages of combustion zone temperature in RTO. The hourly averages shall be used to calculate the 3-hour rolling average.

The VOC destruction removal efficiency (DRE) of the RTO shall be considered to be zero (0) any time that the three-hour rolling average combustion zone temperature falls below the minimum set point established in accordance with Condition 6.8b., or any time RTO exhaust bypass takes place.