

**State of Georgia
Department of Natural Resources
Environmental Protection Division**

**Permit No.
2499-075-0028-E-01-0**

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- b. A device for the measurement of total secondary current (milliamps) of each field of the wet electrostatic precipitators (ID Nos. WESP5 and WESP6). Such device shall have a required accuracy of approximately 2%. Data shall be recorded hourly when the associated dryers and burners (ID Nos. BUR5, BUR6, DRY5, and DRY6) are in operation.
- c. A device for the measurement of pressure drop across each baghouse (ID Nos. BGH1 – BGH8) and cyclone (ID No. CYC). Data shall be recorded weekly.

5.11 Upon the initial startup of Phase II, the Permittee shall, using the hourly secondary voltages and secondary currents, obtained in accordance with Conditions 5.10a. and b., and the following equation, determine and record the total secondary power for each field of the wet electrostatic precipitators (ID Nos. WESP5 and WESP6):

[391-3-1-.02(6)(b)1]

$$P_t = \sum_{i=1}^n (V_i \times I_i)$$

Where: P_t = Total ESP power (watts)
V_i = Secondary volts (kV), ESP field i
I_i = Secondary current (ma), ESP field I
n = Total number of fields

5.12 Upon the initial startup of Phase II, the Permittee shall, for each day or portion of a day that the regenerative thermal oxidizer (ID No. RTO, via Stack S1), biofilter (ID No. BIO, via Stack S2), baghouses (ID Nos. BGH7 and BGH8, via Stacks S4 and S5), or cyclone (ID No. CYC, via Stack S6) are operated, conduct a check of visible emissions from each control device. The Permittee shall retain a record in a daily visible emissions (VE) log suitable for inspection or submittal, upon request. Should the Permittee be unable to conduct the required VE check when atmospheric conditions or sun position prevent a daily reading, no VE check is required and the Permittee shall indicate such in the VE log. Any operational day when atmospheric conditions or sun position prevent a daily reading shall be reported semiannually as monitor downtime/excursion. The check shall be conducted using the following procedure:

[391-3-1-.02(6)(b)1]

- a. Determine, in accordance with the procedures specified in paragraph c. of this condition, if visible emissions are present at the discharge point to the atmosphere from each of the sources and record the results in the daily (VE) log. For sources that exhibit visible emissions, the Permittee shall comply with paragraph b. of this condition.
- b. For each source that emits any visible emissions, the Permittee shall determine the cause of the visible emissions and correct the problem in the most expedient manner possible. The Permittee shall note the cause of the visible emissions, the pressure drop, any other pertinent operating parameters, and the corrective action taken in the maintenance log.