

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

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

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- 5.4 The Permittee shall, using the hourly secondary voltages and secondary currents, obtained in accordance with Conditions 5.3a. and b., and the following equation, determine and record the total secondary power for each field of the wet electrostatic precipitators (ID Nos. WESP1 – WESP4):

[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

- 5.5 The Permittee shall, for each day or portion of a day that the biofilter (ID No. BIO, via Stack S1), baghouses (ID Nos. BGH4 and BGH5, via Stacks S3 and S4), or cyclone (ID No. CYC, via Stack S5) 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.
- c. The person performing the determination shall stand at a distance of at least three stack heights, with a clear view of the plume against a contrasting background with the sun in the 140° sector at his/her back. Consistent with this requirement, the determination shall be made from a position such that the line of vision is approximately perpendicular to the plume direction. Only one plume shall be in the line of sight at any time when multiple stacks are in proximity to each other.