

## 4. REGULATORY APPLICABILITY REVIEW

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Potentially applicable rules are discussed for the Adel Facility in the following section. These include federal and state air regulations.

### 4.1 New Source Review

NSR requires that federal construction permitting of new emission sources or modifications to existing emission sources be completed when significant net emission increases result. Two distinct NSR permitting programs apply depending on whether the facility is located in an attainment or nonattainment area for a particular pollutant. Nonattainment new source review (NNSR) permitting applies to new construction or modifications that result in emission increases of a particular pollutant for which the area in which the facility is located is classified as “nonattainment” for that pollutant. The PSD permitting program applies to project increases of those pollutants for which the area the facility is located in is classified as “attainment” or “unclassifiable”.

The Adel Facility will be located in Cook County, which has been classified as in attainment with the NAAQS or unclassified for all regulated pollutants.<sup>4</sup> Therefore, the Adel Facility is not subject to NNSR permitting requirements for any criteria pollutants. The facility is potentially subject to PSD permitting requirements.

Under PSD permitting rules, the major source threshold is 250 tpy for criteria pollutants, unless the facility is listed specifically in 40 CFR 52.21 as having a lower 100 tpy threshold. Wood pellet production is not on the list of 28 categories detailed in 40 CFR 52.21 with a lower threshold of 100 tpy for criteria pollutants. As shown in Table 3-1, the Adel Facility will be a minor source for the purposes of PSD permitting requirements as facility-wide potential emissions of all criteria pollutants will be below the major source threshold of 250 tpy.

#### 4.1.1 Emissions Limitations

Renewable Biomass Group will be operating control devices on the equipment at the Adel facility, limiting potential emissions of criteria pollutants. Therefore, Renewable Biomass Group is requesting facility-wide emissions limits of 249 tons per rolling 12-month period for Total PM<sub>10</sub>, NO<sub>x</sub>, CO, and VOC.

### 4.2 Title V Operating Permit Program

40 CFR Part 70 establishes the federal Title V operating permit program. Georgia has incorporated the provisions of the federal program in the Georgia Rules for Air Quality Control (GRAQC) 391-3-1-.03(10) *Title V Operating Permits*. The major source thresholds with respect to the Georgia Title V operating permit program for sources in attainment areas are 10 tons per year of a single HAP, 25 tpy of any combination of HAP, or 100 tpy of a criteria pollutant. As shown previously in Table 3-1, it is estimated that the facility wide potential emissions will exceed the Title V major source thresholds for at least one criteria pollutant. Therefore, Renewable Biomass Group will submit an application for the initial Title V operating permit within twelve (12) months after operation of the facility commences as required by the program.

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<sup>4</sup> 40 CFR 81.311. Cook County is not identified as an area contributing to the ambient air level of ozone in the Metropolitan Atlanta Ozone Non-Attainment Area.