

1. EXECUTIVE SUMMARY

Renewable Biomass Group is proposing to construct a wood pellet manufacturing facility in Adel, Cook County, Georgia (Adel Facility). Renewable Biomass Group is submitting this state implementation plan (SIP) construction permit application to Georgia Environmental Protection Division (EPD) to authorize the construction of the proposed greenfield facility.

The Adel Facility is located in Cook County, Georgia, which is currently designated as being in attainment or an unclassified area with respect to the National Ambient Air Quality Standards (NAAQS) for all criteria pollutants.¹ Therefore, the Adel Facility is potentially subject to Prevention of Significant Deterioration (PSD) permitting requirements. Renewable Biomass Group is proposing to control potential emissions, such that the Adel Facility will be categorized as a synthetic minor source with respect to PSD permitting by maintaining potential criteria pollutant emissions less than 250 tons per year (tpy).

The proposed facility will be a major source with respect to the Title V permitting program, as potential criteria emissions of at least one pollutant exceed the major source threshold of 100 tpy for criteria pollutants. The facility will be a minor source with respect to emissions of hazardous air pollutants (HAP), as potential emissions of individual HAP and total HAP are below the major source thresholds of 10 tpy and 25 tpy, respectively. The initial Title V operating permit application will be submitted to the EPD within twelve months of the commencement of operations for the Adel Facility.

The following information is included as part of this SIP permit application submittal package:

- ▶ Section 2 provides a description of the proposed facility operations;
- ▶ Section 3 discusses the potential emissions calculation methodologies;
- ▶ Section 4 details the regulatory applicability analysis;
- ▶ Section 5 describes the toxic air pollutant emissions assessment;
- ▶ Appendix A contains the SIP permit application forms;
- ▶ Appendix B includes the facility diagrams;
- ▶ Appendix C presents the detailed emissions calculations; and
- ▶ Appendix D contains the toxic air pollutant impact assessment.

¹ The United States Environmental Protection Agency (U.S. EPA) Green Book.
<https://www.epa.gov/green-book>