Memorandum

Florida Department of
Environmental Protection

To: Jeff Koerner, Program Administrator, Office of Permitting and Compliance

Through Syed Arif, Office of Permitting and Compliance

From: Christy DeVore, Office of Permitting and Compliance

Date: September 27, 2011

Subject: Final Air Construction Permit Project No. 0310358-012-AC/PSD-FL-374C
Proposed Air Title V Permit Revision No. 0310358-013-AV
City of Jacksonville Trail Ridge Landfill, Trail Ridge Energy
Landfill Gas-to-Energy Expansion

The Trail Ridge Landfill is an existing municipal solid waste landfill. The applicant proposes to install and operate an additional four lean-burn reciprocating internal combustion engine/generator sets as part of the existing landfill gas-to-energy plant at the Trail Ridge Landfill. In addition, the applicant has requested a modification to the CO emissions standard as Best Available Control Technology (BACT) for the existing engine/generator sets. The plant will have the potential to generate an additional 6.4 megawatts (MW) of electricity for a combined nominal 16 MW of power to the electrical grid. Two engine/generator sets will be installed first with the remaining two engine/generator sets installed once landfill gas rates increase. The applicant requested a concurrent revision of the Title V air operation permit. To simplify review and distribution, only the pages with the changes made to the Title V air operation permit as a result of the revisions are provided. The project is not considered a new source review reform project.

The attached Final Determination summarizes the publication and comment process. There are no pending petitions for administrative hearings or extensions of time in which to file a petition for an administrative hearing. I recommend your approval of the attached final and proposed permits for this project.

Attachments

JFK/scd