

P.E. CERTIFICATION STATEMENT

PERMITTEE

Seminole Energy, LLC
46280 Dylan Drive, Suite 200
Novi, Michigan 48337

Project No. 1170084-009-AC/PSD-FL-376B
Seminole Energy, LLC
Major Source Air Construction Permit
Landfill Gas-to-Energy Project CO
Modification
Seminole County, Florida

PROJECT DESCRIPTION

Osceola Road Solid Waste Management Facility operates a municipal solid waste (MSW) landfill near Geneva, Seminole County which is allocated for Class I MSW. Methane-rich landfill gas produced from the decomposition of disposed waste materials is being collected by a gas recovery system. Seminole Energy, LLC operates an electricity generation plant at the Osceola Road Solid Waste Management Facility. In order to reduce the amount of landfill gas (LFG) wasted by flaring, all available LFG from the landfill will be supplied to Seminole Energy for use as fuel to power the internal combustion (IC) engine electricity generation plant. As a result of these changes, significant emission increases will occur for carbon monoxide (CO). The project will result in a potential emissions increase at the existing landfill of 144.2 tons/year of CO.

The Osceola Road Solid Waste Management Facility is classified as a Major or Title V Source of air pollution because emissions of at least one regulated air pollutant, such as particulate matter (PM/PM₁₀), sulfur dioxide (SO₂), nitrogen oxides (NO_x), carbon monoxide (CO), or volatile organic compounds (VOC) exceed 100 tons per year (TPY). The landfill facility is also classified as a Title V source since the design capacity of the landfill is greater than 2.5 million cubic meters and megagrams.

The facility is subject to the following regulations:

- 40 CFR 60, Subpart A, General Provisions;
- Subpart WWW, Standards of Performance for Municipal Solid Waste Landfills;
- 40 CFR 63, Subpart A, General Provisions;
- 40 CFR 63, Subpart AAAA, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Municipal Solid Waste Landfills;
- 40 CFR 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines;

The Department's full review of the project and rationale for issuing the draft permit is provided in the Technical Evaluation and Preliminary Determination.

I HEREBY CERTIFY that the air pollution control engineering features described in the above referenced application and subject to the proposed permit conditions provide reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4 and 62-204 through 62-297. However, I have not evaluated and I do not certify any other aspects of the proposal (including, but not limited to, the electrical, mechanical, structural, hydrological, geological, and meteorological features).


S. Christine DeVore, P.E.
Registration Number 63119

12-27-11
(Date)

