

P.E. CERTIFICATION STATEMENT

PERMITTEE

Covanta Dade Renewable Energy, Ltd.
6990 N.W. 97th Avenue
Miami, Florida 33178

Air Permit No. 0250348-011-AC (PSD-FL-006G)
and 0250348-10-AV
Miami-Dade County Resource Recovery Facility
Updated Air Construction Permit and
Title V Air Operation Permit Renewal


PROJECT DESCRIPTION

This final air construction Permit No. 0250348-011-AC (PSD-FL-006G) for Miami-Dade County Resource Recovery Facility replaces the previous air construction Permit No. PSD-FL-006D issued on July 21, 2000 and subsequent modifications thereto. This permit replaces the pollutant emission limits and test methods established in the original or subsequent air construction permits with the emission limits and test methods contained in Department Rule 62-204.800(9)(b), F.A.C., applicable to existing facilities with a municipal waste combustor unit capacity greater than 250 tons/day of municipal solid waste, and for which construction, reconstruction, or modification was commenced on or before September 20, 1994 (the MWC rule). The updated air construction permit and the MWC rule form the basis for the concurrently processed renewed Title V operation permit.

Emissions from each unit are controlled by: a spray dryer absorber (SDA) for acid gases such as sulfur dioxide (SO₂) and hydrogen chloride (HCl); a fabric filter (baghouse) for particulate matter (PM); a selective non-catalytic reduction (SNCR) system for nitrogen oxides (NO_x); and an activated carbon injector system for mercury (Hg), other metal hazardous air pollutants (HAP) and dioxin/furans (D/F). The facility is equipped with continuous emission monitoring systems (CEMS) for carbon monoxide (CO), SO₂ and NO_x and a continuous opacity monitoring system (COMS) for visible emissions (VE).

The facility operates units subject to the General Applicability provisions of 40 CFR 64 – Compliance Assurance Monitoring (CAM). Following the procedures given therein results in a CAM requirement for HCl and no other monitoring requirements beyond the extensive monitoring already required by the Department's MWC rule (approved and adopted by EPA at 40 CFR 62.2355).

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 aspects of the proposal outside of my area of expertise (including, but not limited to, the electrical, mechanical, structural, hydrological, geological, and meteorological features).


A. A. Linero, P.E.
Registration Number: 26032
Date: 2/28/2002

