



LEE COUNTY
SOUTHWEST FLORIDA

BOARD OF COUNTY COMMISSIONERS

Writer's Direct Dial Number: (239) 338-3302

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April 21, 2003

Trina Vielhauer, Chief, Bureau of Air Regulation
Florida Department of Environmental Protection
2600 Blair Stone Rd.
Tallahassee, Fl. 32399-2400

VIA FAX AND FEDEX

RECEIVED

APR 22 2003

BUREAU OF AIR REGULATION

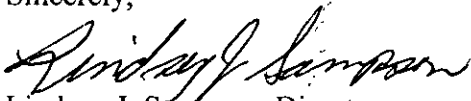
Subject: Lee County WTE, Draft Permit PSD-FI-151C

Dear Ms. Vielhauer:

Attached please find an 'Affidavit of Publication' of the 'Public Notice of Intent to Issue PSD Permit'. The noticed was published on April 14, 2003 in the Ft. Myers News-Press.

If you have any questions, please call me.

Sincerely,


Lindsey J. Sampson, Director
Solid Waste Division

Cc: David Owen, Ass't. County Attorney
David Dee, Landers & Parsons, P.A.
Sam Rosania, MPI

II A 506
Q. Kettle, EA
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REC'D APR 17 2003

NEWS-PRESS

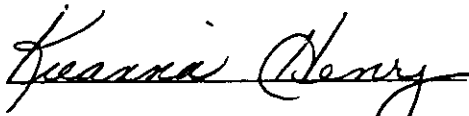
*Published every morning - Daily and Sunday
Fort Myers, Florida*

Affidavit of Publication

STATE OF FLORIDA
COUNTY OF LEE

Before the undersigned authority, personally appeared
Kieanna Henry
who on oath says that he/she is the
Asst. Legal Clerk of the News-Press, a daily newspaper,
published at Fort Myers, in Lee County, Florida; that the
attached copy of advertisement, being a
Display
in the PSD Permit Court
was published in said newspaper in the issues of
April 14, 2003

Affiant further says that the said News-Press is a paper of general circulation daily in Lee, Charlotte, Collier, Glades and Hendry Counties and published at Fort Myers, in said Lee County, Florida and that said newspaper has heretofore been continuously published in said Lee County, Florida, each day, and has been entered as a second class mail matter at the post office in Fort Myers in said Lee County, Florida, for a period of one year next preceding the first publication of the attached copy of the advertisement; and affiant further says that he/she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.



PUBLIC NOTICE OF INTENT TO ISSUE PSD PERMIT

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DRAFT Permit No. PSD-FL-151C
Lee County Energy Recovery Facility
Lee County

The Department of Environmental Protection (Department) gives notice of its intent to issue a PSD Permit to Lee County for the construction of an additional Municipal Waste Combustor (MWC) at its existing Lee County Resource Recovery Facility located at 10500 Buckingham Road, Fort Myers, Lee County, Florida. A review for the Prevention of Significant Deterioration (PSD) and Best Available Control Technology determination were required pursuant to Rule 62-212.400, F.A.C. The applicant's name and address are: Lee County Board of County Commissioners, Solid Waste Division, 10500 Buckingham Road, Fort Myers, Florida 33905.

The existing facility consists of a municipal waste combustion facility with two mass burn municipal waste combustion units. The facility currently has an existing capacity of 660 tons/day per unit for a total of 1,320 tons per day of solid waste fuel with a nominal HHV of 5,000Btu/lb. This is equal to a maximum heat input of 275 MMBtu/hour per unit for a total heat input not to exceed 550 MMBtu/hr. The facility converts solid waste into saleable energy. It produces up to 40 MW of electricity daily. The facility is self-sufficient and operates on a small portion of the power it generates. The new (third) MWC will be of the same size and input ratings as the existing two MWCs. The new MWC will be subject to 40 CFR 60, Subpart Ee - Standards of Performance for Large Municipal Waste Combustors for Which Construction is Commenced After September 20, 1994 or for Which Modification or Reconstruction is Commenced After June 19, 1996, Rule 62-296.401(4) and Rule 62-296.416, F.A.C., Waste-to-Energy Facilities. The proposed unit will incorporate a lime spray dryer absorber and fabric filter. It will additionally include acid gas control for sulfur dioxide and hydrogen chloride and an activated carbon injection system for mercury control. Nitrogen oxides will be controlled by selective non-catalytic reduction. Combustion controls and auxiliary natural gas burners will be incorporated to minimize formation of dioxins and furans, volatile organic compounds, and carbon monoxide. The PSD permit contains limits and testing requirements for sulfur dioxide, nitrogen oxides, lead, fluoride, mercury, particulate matter, opacity, hydrogen chloride, carbon monoxide, cadmium and dioxins/furans. Continuous emission monitors will be installed for opacity, sulfur dioxide, nitrogen oxides, and carbon monoxide. Proposed emission limits for the new MWC as well as annual emissions are as follows:

Pollutant Name	Standard(s)	Lbs./hour	TPY	PSD Review?
Particulate Matter (PM ₁₀)	20.6 mg/dscfm, corrected to 7% O ₂	5.12	22.3	YES
MWC Metals (PM)	20.6 mg/dscfm, corrected to 7% O ₂	5.12	22.3	YES
Sulfur Dioxide (SO ₂)	25 ppm, or 80% reduction, at 7% O ₂	56.9	249.4	YES
Sulfuric Acid Mist	15 ppmvd @ 7% O ₂	15.1	66.1	YES
Nitrogen Oxides (NO _x)	110 ppm @ 7% O ₂ - 30-day rolling average 150 ppm @ 7% O ₂ - 24 hour average	51.9 70.8	227.4	YES
Carbon Monoxide (CO)	80 ppm @ 7% O ₂ - 30-day rolling average 100 ppm @ 7% O ₂ - 4 hr average	23.0 28.73	100.6	YES
Mercury (Hg)	0.028 mg/dscm @ 7% O ₂ or 85% reduction	0.0168	0.0736	YES
Visible Emissions (VE)	10 %, 6 minute average			YES
Lead (Pb)	0.2 mg/dscm, corrected to 7% O ₂	0.05	0.0216	NO
MWC Acid Gas (HCl)	25 ppm or 95% reduction @ 7% O ₂	46.76	204.8	YES
Hydrogen Fluoride (HF)	3.5 ppmvd @ 7% O ₂	0.718	3.143	YES
Dioxin/Furan (PCDD/F)	13 ng/dscm, corrected to 7% O ₂	3.2 x 10 ⁻⁴	1.4 x 10.5	YES
Ammonia	15 ppm			NO

The general area is in attainment with respect to all State and National Ambient Air Quality Standards. There have been very substantial reductions in air pollutants due to the recently constructed FPL Fort Myers Repowering Project. An air quality analysis was performed for the proposed project for both Class I (Everglades) and Class II areas. All predicted impacts are less than significant. The proposed project will not cause or contribute to any violations of ambient air quality standards or allowable increments.

The Department will issue the FINAL PSD Permit, in accordance with the conditions of the DRAFT Permit unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.