

Golder Associates Fax

To: Al Linero

Fax Number: 850-922-6979

Company: FDEP

Date: May 1, 2000

From: David Buff

e-mail: @golder.com

Our ref: 003-7532-0100

Voice Mail:

RE:

Total pages (including cover): 3

Hard copy to follow ☐

MESSAGE

Year 1977

Boiler Design Rate

Processed Pulp

Capacity : 156,400 $\frac{\text{lb}}{\text{hr}}$ 

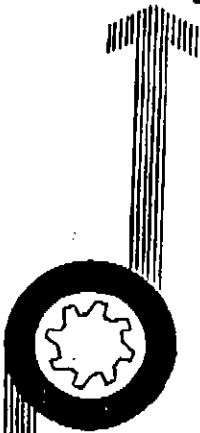
6241 NW 23rd St., Suite 500
Gainesville, FL 32653
U.S.A.
Telephone: (352) 338-5600
Fax: (352) 338-6603

Comprehensive Consulting
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Engineering, Environmental
Remediation and Waste
Management

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ENERGY

RESOURCES
RECOVERY
(DADE COUNTY)
INC.

September 2, 1977

DHK-77-487

Mr. David Karsmarski
Central and Southern Districts
State of Florida
Dept. of Environmental Regulation
3301 Gun Club Road
West Palm Beach, Florida 33402

Subject: Construction Permit No. SC-13-2690,
Dated August 4, 1977 and
SC13-2691, Dated August 4, 1977

Resources Recovery (Dade Co.), Inc.

Dear Mr. Karsmarski:

These permits arrived during my vacation and consequently the ten day review period has expired.

We are concerned over Condition No. 6 in both cases, which states that the incinerator shall not be loaded in excess of its capacity of 144,000 pounds per hour. This refers to the rate of feed for the fuel. Please note in our application that the 144,000 pounds per hour refers to the average rate of feed per hour and the maximum rate of feed, which is the design condition of the boiler, is 156,400 pounds per hour. We believe this latter figure that should be reflected in the subject permits and, also, in the attached Condition No. 6.

We thank you for your attention to this matter. Please let us know if there is any problem.

Very truly yours,

Dean H. Kohlhepp,
Resident Engineer

DHK/se

cc: Mr. Dennis Olle, Mr. Ken Kosky
Suite 203, 800 Douglas Entrance, Coral Gables, Florida 33134/Phone: (305) 448 1064



STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTH FLORIDA SUBDISTRICT
3301 GUN CLUB ROAD
POST OFFICE BOX 3858
WEST PALM BEACH, FLORIDA 33402

REUBEN O'D ASKEW
GOVERNOR

JOSEPH W. LANDERS, JR.
SECRETARY

September 20, 1977

Dade County
SW - Resource Recovery
(Dade County), Inc.

Mr. Dean H. Kohlhepp
Resident Engineer
Resource Recovery (Dade County), Inc.
800 Douglas Entrance
Coral Gables, Florida 33134

Dear Mr. Kohlhepp:

Re: Construction Permits #SC 13-2690 and SC 13-2691 Issued
August 4, 1977 - Design Capacities

This is in response to your letter of concern dated September 2, 1977 regarding the subject permits.

Please accept this transmittal as official notice that the above referenced permits are revised as follows:

1. The wording in the body of the permit is changed to read, "For the construction of the following: Pulp boilers #1 & 2 (3 & 4) (discharging through a common stack) each with an average feed rate of 144,000 #/hr. of processed pulp operating 24 hours/day, 6 days/week products of combustion are channeled through a Flakt Model CKDB mechanical collector and a Flakt Model FAA-32 electrostatic precipitator discharging particulate not greater than .08 grains/SCFD gas corrected to 50% E.A. through a 150 ft. (minimum) stack. Conditions 1-10 apply."
2. Proviso #6 of the referenced permit should read, "This incinerator shall not be loaded in excess of its capacity of 156,400 pounds per hour" instead of 144,000 pounds per hour stated in the original permit proviso.

If you have any questions please feel free to contact Al Townsend or Dave Karsmarski of this office, telephone 305/689-5800.

Sincerely,

Warren G. Strahm
Subdistrict Manager

WGS:AWT:fs

cc: Metropolitan Dade County Environmental Resources Management
Ken Kosky
Tallahassee Central Files



RECEIVED

DEC 14 1999

BUREAU OF AIR REGULATION

Postmark Date 12-13-99

msd 12-15-99

Payment No - 388845

Remittance No - 367629

December 10, 1999

Mr. Tom Cascio
Department of Environmental Protection
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Re: Resource Recovery Facility
ID # 0250348
1998 Title V Fee Revised

Dear Mr. Cascio:

As requested in your July 28, 1999 letter, attached are revised calculations, fee forms and County check No. 00027483 in the amount of \$ 108,419.03 for Title V fees for 1998.

Please contact me if you have any questions.

Sincerely,


Lee S. Casey, Chief
Environmental Compliance Division

Attachment

Cc: V. Castro - DSWM

RECEIVED
MAIL ROOM
DEC 15 99

Miami-Dade County Resources Recovery Facility
Facility 0250348
1998 Emissions
Review Spreadsheet

NOx Fee Calculation

Boiler	Btu/lb	Tons RDF	MMBtu	Permit Limit (lbs/MMBtu)	Tons NOx	Fee
1	4835	180110	1741663.7	0.5	435.41593	\$10,885.40
2	4835	166346	1608565.82	0.5	402.14146	\$10,053.54
3	4835	183906	1778371.02	0.5	444.59276	\$11,114.82
4	4835	188993	1827562.31	0.5	456.89058	\$11,422.26

Total Tons	1739.0407
Fee	<u>\$43,476.02</u>
Penalty	\$21,738.01
Interest	\$3,623.00
Total NOx Fee	\$68,837.03

Particulates Fee Calculation

Boiler	DSCF/Hr	Hours	Permit Limit (g/DSCF)	Tons	Fee
1	8862000	7246.4	0.08	367.02668	\$9,175.67
2	9064140	6675.2	0.08	345.80756	\$8,645.19
3	8823540	7378.3	0.08	372.08551	\$9,302.14
4	8063100	7588.4	0.08	349.70018	\$8,742.50

Total Tons	1434.6199
Fee Due	<u>\$35,865.50</u>
Fee Paid	\$10,866.34
Net Due	\$24,999.16
Penalty	\$12,499.58
Interest	\$2,083.26
Total Particulates Fee	\$39,582.00

Fees	\$68,475.18
Penalties	\$34,237.59
Interest	\$5,706.26

Grand Total Fee Due \$108,419.03

Cross Check \$108,419.03

1931152

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MAJOR AIR POLLUTION SOURCE ANNUAL EMISSIONS FEE FORM
EMISSIONS UNIT INFORMATION SHEET

Revised 1998

Facility Name: Miami-Dade County Resources Recovery

Emissions Unit Permit/Certification No.: PA 77-08

Emissions Unit I.D.No. (if known): 50WPB130348

Brief description of emissions unit regulated individually or group of emissions units regulated collectively: Waste-To-Energy Plant

I. Regulated Air pollutant(s) allowed to be emitted by specific permit condition for this emissions unit or group of emissions units (excluding carbon monoxide)	II. Most limiting maximum allowable pollutant emission rate (fill in one column only for each pollutant)			III. Operating conditions - Maximum allowed by permit per year		IV. Operating conditions - Actual documented for reported calendar year		V. Annual emissions to which fees apply		
	pounds per hour	tons per year	tons per unit of material or heat input or product output	hours of operation	amount of material or heat input or product output [in units specified in column (e)]	hours of operation	amount of material or heat input or product output [in units specified in column (e)]	calculated annual tons of pollutant emissions	actual tons recorded annual emissions using C.E.M. or other DEP-approved method	code (See Instructions)
(a)	(b)	(c)	(tons) (d) (units) (e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
BLR-1 Particulate			0.08 g/DSCF	8760		7246.4		367.03		
BLR-2 Particulate			0.08 g/DSCF	8760		6675.2		345.81		
BLR-3 Particulate			0.08 g/DSCF	8760		7378.3		372.09		
BLR-4 Particulate			0.08 g/DSCF	8760		7588.4		349.70		
BLR-1 NOX			0.5 lbs/MMBTU	8760		7246.4		435.42		
BLR-2 NOX			0.5 lbs/MMBTU	8760		6675.2		402.14		
BLR-3 NOX			0.5 lbs/MMBTU	8760		7378.3		444.59		
BLR-4 NOX			0.5 lbs/MMBTU	8760		7588.4		456.89		

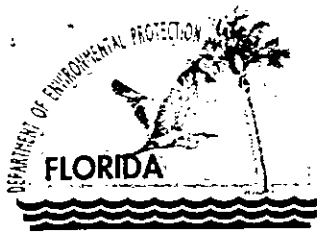
Calculations/Comments:

BLR = Boiler See Spreadsheet

Example PM = $(0.08 \text{ g/DSCF} * 8862000 \text{ DSCF/HR} * 7246.4 \text{ Hrs.} * 0.0648 \text{ grams/grain} * 0.002205 \text{ lbs/gram}) / 2000 \text{ lbs/ton}$

NOX = $[(4835 \text{ BTU/lb}) * 2000 \text{ lbs/ton} * 180110 \text{ Tons} * 0.05 \text{ lbs}) / 2000 \text{ lbs/ton}] / 1,000,000$

No. ___ of ___ total Emissions Unit Information Sheets (Page B's) submitted for this facility. List all permitted emissions units, even if not operated during the reported year.



Jeb Bush
Governor

Department of Environmental Protection

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

July 28, 1999

RECEIVED
AUG 03 1999
Environmental
Compliance Division

David B. Struhs
Secretary

Mr. Lee S. Casey
Chief-Environmental Compliance Division
Metro Dade Solid Waste Management
8675 Northwest 53rd Street
Suite 201
Miami, FL 33166

Dear Mr. Casey:

Re: Facility **0250348 (Resource Recovery Facility)**

Thank you for your recent submission for this facility under Title V of the Clean Air Act. Review of the fee form reveals that (a) stack test results (mass emissions) were used in determining the allowable levels for PM, and (b) NOx was not included as a regulated pollutant (please refer to the attached copy of Al Linero's March 23, 1999 letter to Mr. Vicente Castro). Please be advised that use of stack test data has been deemed inappropriate for fee purposes.

Please recalculate the appropriate fee due based on these findings. Unfortunately, the 50% late penalty and interest (@ 10% per year) must apply to the shortfall.

Sincerely,

Tom Cascio
Engineer IV
Title V Section

Attachment