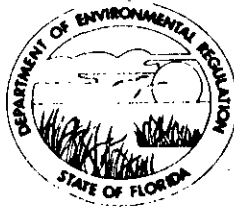


STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301 8241



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

March 23, 1984

CERTIFIED MAIL - RECEIPT REQUESTED

Ms. Phyllis A. Korab
Project Director, Broward County
Courthouse - Room 248
201 Southeast - 6th Street
Ft. Lauderdale, Florida 33301

August
June 15 1984
selected

Dear Ms. Korab:

The Bureau of Air Quality Management has received your applications to construct a northern and southern resource recovery facility in Broward County, Florida. After reviewing these applications, the department has deemed these applications to be incomplete. Before the applications can be processed, all the requested information must be received by the department for each application.

1. The signature and seal of a Professional Engineer registered in the State of Florida is required for all applications.
2. General Project Information, Section II E, must be completed providing the requested power plant information.
3. Provide all information on the turbine generators including rating, manufacturer and efficiency for each resource recovery facility. *Rating for new & efficiency*
4. Will the Broward County Board of County Commissioners or the selected vendor operate these resource recovery facilities and be responsible for the maintenance and operation of these pollution control sources and pollution control facilities?
5. Section IV B, Best Available Control Technology: The EPA has declared the BACT for this class of source. Provide all the requested information. *Control*
Identify
Vendor

Ms. Phyllis A. Korab
Page Two
March 23, 1984

6. An application fee of \$1,000 is required for each permit.
7. How will the proposed units be fired during periods of startup and shutdown.
8. Will any auxiliary fuels be used during low Btu periods?
9. Provide documentation for the emission factors presented in Table 3-3 of Appendix C.
10. Items 2, 4, and 5 of Section V must be answered for the specific equipment that are proposed to be installed in these facilities.
11. Provide the manufacturer, date constructed and model number of the incinerator requested in Section IV.

When the requested information is received, we will resume processing your applications. If you have any questions on their status, please write me at the above address or call Edward Svec, Review Engineer, at (904)488-1344.

Sincerely,



C. H. Fancy, P.E.
Deputy Bureau Chief
Bureau of Air Quality Management

CHF/ES/s

cc: Tom Tittle, DER SE District
Gary Carlson, Broward County EQCB
Ronald J. Mills, Malcolm Pirnie, Inc.
Cleve Holladay, DER

MALCOLM PIRNIE, INC.

Consulting Environmental Engineers

DER

FEB 24 1984

BAQM

- 2 Corporate Park Drive, White Plains, N.Y. 10602
914/694-2100
- 11 Computer Drive West, Albany, N.Y. 12205
518/458-7884
- 5002 Canal Road, Cuyahoga Heights, Ohio 44125
216/641-5830
- 6161 Busch Blvd., Columbus, Ohio 43229
614/888-4953
- S. 3515 Abbott Road, Buffalo, N.Y. 14219
716/828-1300
- 301 Hiden Blvd., Newport News, Va 23606
804/599-5511

- 100 Eisenhower Drive, Paramus, N.J. 07652
201/845-0400
- 1617 John F. Kennedy Blvd., Philadelphia, Pa. 19103
215/564-0172
- 8757 Georgia Ave., Silver Spring, Md. 20910
301/587-5355
- 500 South 22 St. (Suite 212), Birmingham, Ala. 35233
205/322-0513
- 2500 Hollywood Blvd., Hollywood, Fla. 33020
305/923-9131

To: Florida Department of Environmental
Regulation
2600 Blairstone Road
Tallahassee, Florida 32301

Date: Feb. 23, 1984
Re: Broward County
Resource Recovery Facility
MPI No. 448-05-1EAL

Attention: Mr. Clair Fancy, Deputy Chief

GENTLEMEN:

We are sending you Enclosed Under separate cover via Mail Messenger, the following items:

- shop drawings
- prints
- data sheets
- As below
- specifications
- sketches
- brochures
- _____

Our action relative to items submitted for approval has been noted on the drawings.

COPIES	PREPARED BY	REFERENCE NO.	DESCRIPTION
2	MPI		Application to Operate/Construct Air Pollution Source - Northern RRF
2	MPI		Application to Operate/Construct Air Pollution Source - Southern RRF

THESE ARE TRANSMITTED AS CHECKED BELOW:

- As requested
- For your use
- For review & comment
- For your information
- Approved
- Approved as Corrected
- Revise and Resubmit
- Not Approved
- Resubmit _____ copies for approval
- Submit _____ copies for distribution
- Return _____ corrected Prints
- _____

Remarks: _____

Very truly yours
MALCOLM PIRNIE, INC.

by Evelyn Walzer
Evelyn Walzer

Copies to: _____



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Environmental Research Center

Research Triangle Park, North Carolina 27711
January 19, 1978

MEMORANDUM

SUBJECT: Clarification of How Soot Blowing is to be Included in Performance Tests for New Power Plants

FROM: Kirk Foster
Technical Support Branch, DSSE

TO: Regional and State compliance testing coordinators

Requests for determination of applicability or other clarification of the NSPS regulations are usually directed to the Division of Stationary Source Enforcement. DSSE prepares and periodically issues summaries of NSPS determinations that have been made by the agency. These determinations often involve questions related to compliance testing.

The attached determination, abstracted from the May 26 - September 16, 1977 Summary Report, addresses the problem of how periods of soot blowing are to be included in the compliance test in a manner representative of their contribution to overall emission levels. If you have any questions regarding application of this technique, please contact your EPA Regional Office coordinator.]

DETERMINATIONS OF APPLICABILITY OF NEW SOURCE PERFORMANCE
STANDARDS - MAY 26 - SEPTEMBER 16, 1977 SUMMARY REPORT

DETERMINATION CODE NO.: D-78

REFERENCE: Memo to R-VII (E. Reich
to R. Markey) 29 JUN 77

QUESTION: How is soot blowing to be included
in performance tests for fossil
fuel fired steam generators which
have non-automatic, non-contin-
uous soot-blowing?

AFFECTED REGULATION: 60.8

DETERMINATION: Units which do not blow soot continuously must
have the effect of soot-blowing included by
performance testing in the normal manner,
provided that the following precautions are
taken: 1) soot-blowing is permitted only
during one of the test runs, 2) this soot-
blowing is representative of the plant's
typical cycle, and 3) the test run in which
the soot-blowing occurs is properly weighted
when averaging with the other two test runs.
The soot-blowing performance test run should
include as much of the soot-blowing cycle as
possible. The weight of the soot-blowing
performance test run may be determined by the
following generalized equation. This equation
insures proper weighting of a soot-blowing
performance test run regardless of whether the
soot-blowing lasts the entire time of the test
run, and also regardless of the number and
duration of the non soot-blowing test runs
made while performance testing a fossil fuel-
fired steam generator.

$$W = ST / (AR - SB)$$

WHERE:

R = the average number of
hours of operation per
24 hours day.

- S = the average number of hours of soot-blowing operation per 24 hour day.
- T = the total test time of the non soot-blowing performance test runs (hours).
- A = the time spent blowing soot during the soot-blowing performance test run (hours).
- B = the time spent not blowing soot during the soot-blowing performance test run (hours).

Multiply the soot-blowing test run by W before taking the arithmetic mean of the performance test runs as required by Section 60.8 (f).