

State of Florida

DEPARTMENT OF ENVIRONMENTAL REGULATION

INTEROFFICE MEMORANDUM

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TO: Jack Preece
FROM: ED Palagy
DATE: June 29, ~~1894~~ 1984
SUBJ: Draft BACT for Bay County RR

JUL 03 1984
NORTHWEST FLORIDA
DER:

Enclosed is a preliminary BACT for Bay County Energy Resources incinerators.

Please review and send me comments, recommendations, or any changes or additions you would like included in the BACT analysis.

Please, if at all possible, send me your input, before July 13, 1984.

EP/1g

Best Available Control Technology (BACT Determination

Bay County Energy Resources

Bay County

The applicant plans to construct a resource recovery facility at Panama City, Florida. The facility will contain two O'Connor RC 120 combustor units that in combination will fire a total of 510 tons per day of municipal solid waste (MSW). Wood waste will be fired as necessary to produce the steam required to maintain the designed output of electrical power. The ratio of fuels fired is estimated to be 300 tons per day of MSW and 178 tons per day of wood wastes.

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Total Potential Air Pollutant Emissions (tons/year)

Particulate	25	25*
Sulfur Dioxide	96	40*
Nitrogen Oxides	107	40*
Carbon Monoxide	505	100*

* Regulated Air Pollutants - Significant Emission Rates Florida Administrative Code Rule 17-2.500, Table 500-2.

The proposed facility is number nine on the major facility categories list of 28, Table 500-1, and therefore subject to Rule 17-2.500(2)(d)2.b., Prevention of Significant Deterioration (PSD). A Best Available Control Technology (BACT) determination

DER



MAY 29 1984

BAQM

Westinghouse
Electric Corporation

Advanced Power Systems
Divisions

Waste Technology Services Division

Box 286
Madison Pennsylvania 15663-0286
(412) 722 5000

May 25, 1984

DER R

Mr. Clair Fancy
Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32301

~~MAY 27 1984 1984~~

BAQM

Re: Westinghouse Air Construction Permit Application
for Bay County Resource Recovery Facility
AC 03-84703 and AC 03-84704

Dear Mr. Fancy:

Enclosed please find the following documents submitted by the Waste Technology Services Division of Westinghouse Electric Corporation in regard to the above-referenced air permit applications.

1. Responses to each item of your letter to Mr. F. S. Pollier dated April 16, 1984, in which the Department requested additional information regarding the air permit application for the proposed facility submitted by Westinghouse on March 22, 1984. (See Attachments I and II hereto.)
2. The original and four copies of a revised air construction permit application for the proposed facility, with Attachments "A" through "I".

Please note that the revised permit application includes one change in the facility design. Economic studies have determined that this project cannot be financed at the original design capacity of 350 tons per day of MSW because of the need for a larger revenue stream. This can best be accomplished by increasing plant capacity to the equivalent of 510 tons per day of MSW and supplementing the available MSW with increased quantities of wood waste. This allows higher steam production and increased electrical generation, which is our primary revenue base outside the Bay County tipping fee. We are obligated to minimize this tipping fee for the benefit of Bay County and its citizens.

Mr. Clair Fancy
May 25, 1984
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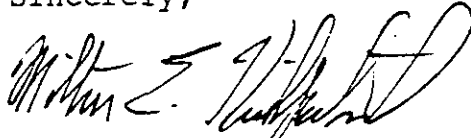
In an effort to avoid delay in the permitting process, the air permit application and attachments have been substantially revised to provide the information necessary for PSD review of the proposed facility, and to supply all information requested in your letter of April 16, 1984. Westinghouse believes this approach is in the best interests of the Bay County project, provided that the Department can review and process the revised application on an expedited schedule, as you indicated would be the case at your meeting with Peter Cunningham on April 16, 1984. The only information that remains outstanding is Attachment "J" to the revised permit application (the Air Quality Dispersion Modeling Report), which is being finalized by Southern Company Services and will be submitted in the very near future.

Any questions regarding this permit application should be addressed to:

Fred S. Pollier/J.D. Phillips
Westinghouse Electric Corporation
Waste Technology Services Division
Post Office Box 286
Madison, PA 15663-0286

Please note our change in location since the original application.

Sincerely,



FOR

Fred S. Pollier
Project Manager
Bay County Project

Enclosures

cc: Nancy Wright, Esquire (w/o enclosure)
Bob King (w/ enclosure, except Attachment "J")
Cleve Holladay (w/ Attachment "J" only)
Steve Fox (w/o enclosure)
Larry Lukin (w/o enclosure)
Robert V. Kriegel (w/o enclosure)

Mr. Clair Fancy

May 25, 1984

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bcc: J.W. Bohlig
L.P. Duffy
J.W. Fisch
G.B. Levin
R.L. Grandy
J.D. Phillips
V. Campbell
C.J. Bailey, EPR
G. Layman, Gulf
L. Burke, Bay Co.
W. May, Sanders & Thomas
W.H. Green
J.T. McClain
M.E. Kirkpatrick (2)