



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

Interoffice Memorandum

TO: Steve Smallwood

FROM: Clair Fancy *CF*

DATE: March 5, 1991

SUBJ: Approval of Construction Permits AC 06-186997, 06-186998,
06-187000, and 06-187001
Wheelabrator North Broward, Inc.
Wheelabrator South Broward, Inc.

Attached for your approval and signature are permits prepared by the Bureau of Air Regulation for the above mentioned companies to construct lime silo and ash handling systems.

No comments were received during the public notice period.

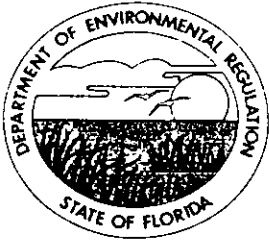
Day 90, after which this permit will be issued by default, is March 19, 1991.

I recommend your approval and signature.

CF/MB/plm

Attachments

Rec'd condition #11
See Final Determination
w/rt type



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Carol M. Browner, Secretary

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION NOTICE OF PERMITS

Mr. James R. Wiegner, Project Manager
Wheelabrator North Broward, Inc.
4400 S. State Road 7
Fort Lauderdale, Florida 33314

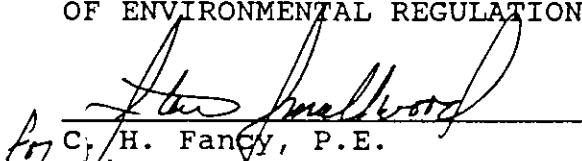
March 12, 1991

Enclosed are construction permits AC 06-186997, 06-186998, 06-187000, and 06-187001. These permits are issued pursuant to Section 403, Florida Statutes.

Any party to these permits has the right to seek judicial review of the permits pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this permit is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


C. H. Fancy, P.E.
Chief

Bureau of Air Regulation

Copy furnished to:

I. Goldman, SE Dist.
K. Kosky, P.E.
M. Meech, Rust Int.
A. Linero, EQCB
J. Harper, EPA

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of buisness on 3-12-91.

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to
§120.52(9), Florida Statutes, with
the designated Department Clerk,
receipt of which is hereby
acknowledged.

Patricia Hansen
Clerk

3-12-91
Date

Final Determination

Wheelabrator North Broward, Inc.
and
Wheelabrator South Broward, Inc.
Broward County, Florida

Permit Numbers:

AC 06-186997 (Ash Handling System)
AC 06-186998 (Lime Silo)
AC 06-187000 (Lime Silo)
AC 06-187001 (Ash Handling System)

Department of Environmental Regulation
Division of Air Resources Management
Bureau of Air Regulation

March 12, 1991

Final Determination

The Technical Evaluation and Preliminary Determination for the permits to construct lime silo and ash handling systems at Wheelabrator North Broward, Inc. in Pompano Beach and Wheelabrator South Broward, Inc. in Fort Lauderdale was distributed on February 5, 1991. The Notice of Intent to Issue was published in the Fort Lauderdale News/Sun-Sentinel on February 11, 1991. Copies of the evaluation were available for public inspection at the Department's Southeast District and Tallahassee offices, and at the EQCB office in Fort Lauderdale.

The Department has received comments only from the applicant and has agreed to their request to allow them more time to conduct a stack test (30 to 90 days) and delete the simultaneous visible emissions testing requirement for lime silo loading (only one lime truck unloading instead of two lime trucks unloading simultaneously).

The Department will require a particulate and visible emissions test for the ash handling system initially. If initial testing demonstrates compliance with the standards, the applicant may request a visible emissions test in lieu of particulate stack testing on an annual basis.

The final action of the Department will be to issue construction permits AC 06-186997 and 998, and 06-187000 and 001 with minor changes.



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Carol M. Browner, Secretary

PERMITTEE:
Wheelabrator North Broward, Inc.
4400 S. State Road 7
Fort Lauderdale, Florida 33314

Permit Numbers: AC 06-186997
AC 06-186998
Expiration Date: Feb. 28, 1992
County: Broward
Latitude/Longitude: 26°17'14"N
80°09'35"W
Project: Ash Handling System/997
Lime Silo/998

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawings, plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

For the construction of ash handling system and lime silo at already approved Resource Recovery Project (PSD permit No: PSD-FL-112) which is as follows:

Ash Handling System

Emissions from the ash handling system with a process input rate of 21,435 lbs/hr of flyash and spray dryer reaction products are controlled by MAC Filter Model 120 LST 100 baghouse designed at a flow rate of 8000 ACFM.

Lime Silo

The lime silo has a capacity of 236 tons. Only one truck can be unloaded pneumatically into the lime silo at a maximum process input rate of 40,000 lbs/hr. The lime silo is equipped with Wheelabrator Air Pollution Control Model 1016, BA-108, Jet III baghouse designed at a flow rate of 1500 ACFM.

This facility is located at 2700 Hilton Road (NW 48th St.), Pompano Beach, Broward County, Florida.

The source shall be constructed in accordance with the permit application, plans, documents, amendments and drawings, except as otherwise noted in the General and Specific Conditions.

Attachments are listed below:

1. Application dated Sept. 26, 1990.
2. DER's incompleteness letter dated Oct. 24, 1990.
3. Wheelabrator N. B. Inc.'s response dated Nov. 19, 1990.
4. Rust Int. Corp.'s letter dated Jan. 9, 1991.

PERMITTEE:
Wheelabrator North Broward,
Inc.

Permit Numbers: AC 06-186997
AC 06-186998
Expiration Date: February 28, 1992

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

PERMITTEE:
Wheelabrator North Broward,
Inc.

Permit Numbers: AC 06-186997
AC 06-186998
Expiration Date: February 28, 1992

GENERAL CONDITIONS:

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:

- a. Have access to and copy any records that must be kept under the conditions of the permit;
- b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

PERMITTEE:
Wheelabrator North Broward,
Inc.

Permit Numbers: AC 06-186997
AC 06-186998
Expiration Date: February 28, 1992

GENERAL CONDITIONS:

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

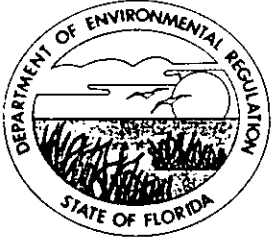
11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. The permittee shall comply with the following:

a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Carol M. Browner, Secretary

PERMITTEE:
Wheelabrator South Broward, Inc.
4400 S. State Road 7
Fort Lauderdale, Florida 33314

Permit Numbers: AC 06-187000
AC 06-187001
Expiration Date: Feb. 28, 1992
County: Broward
Latitude/Longitude: 26°17'14"N
80°09'35"W
Project: Ash Handling System/001
Lime Silo/000

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawings, plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

For the construction of ash handling system and lime silo at already approved Resource Recovery Project (PSD permit No: PSD-FL-112) which is as follows:

Ash Handling System

Emissions from the ash handling system with a process input rate of 21,435 lbs/hr of flyash and spray dryer reaction products are controlled by MAC Filter Model 120 LST 100 baghouse designed at a flow rate of 8000 ACFM.

Lime Silo

The lime silo has a capacity of 236 tons. Only one truck can be unloaded pneumatically into the lime silo at a maximum process input rate of 40,000 lbs/hr. The lime silo is equipped with Wheelabrator Air Pollution Control Model 1016, BA-108, Jet III baghouse designed at a flow rate of 1500 ACFM.

This source is located at 4400 State Road 7, Fort Lauderdale, Broward County, Florida.

The source shall be constructed in accordance with the permit application, plans, documents, amendments and drawings, except as otherwise noted in the General and Specific Conditions.

Attachments are listed below:

1. Application dated Sept. 26, 1990.
2. DER's incompleteness letter dated Oct. 24, 1990.
3. Wheelabrator N. B. Inc.'s response dated Nov. 19, 1990.
4. Rust Int. Corp.'s letter dated Jan. 9, 1991.

PERMITTEE:
Wheelabrator South Broward,
Inc.

Permit Numbers: AC 06-187000
AC 06-187001
Expiration Date: February 28, 1992

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

PERMITTEE:
Wheelabrator South Broward,
Inc.

Permit Numbers: AC 06-187000
AC 06-187001
Expiration Date: February 28, 1992

GENERAL CONDITIONS:

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:

- a. Have access to and copy any records that must be kept under the conditions of the permit;
- b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

PERMITTEE:
Wheelabrator South Broward,
Inc.

Permit Numbers: AC 06-187000
AC 06-187001
Expiration Date: February 28, 1992

GENERAL CONDITIONS:

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. The permittee shall comply with the following:

a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and

PERMITTEE:
Wheelabrator South Broward,
Inc.

Permit Numbers: AC 06-187000
AC 06-187001
Expiration Date: February 28, 1992

GENERAL CONDITIONS:

records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurements;
- the person responsible for performing the sampling or measurements;
- the dates analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

14. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

SPECIFIC CONDITIONS:

1. Wheelabrator South Broward, Inc.'s flyash handling system and the lime silo shall be allowed to operate continuously (i.e. 8760 hrs/yr).

2. Particulate emissions from the flyash handling system and lime silo baghouses shall not exceed 0.010 gr/dscf, nor 3.0 tons/year and 0.021 tons/year, respectively.

3. Visible emissions from the flyash handling system shall not exceed 5% opacity.

4. Visible emissions from the lime silo baghouse shall not exceed 5% opacity as noted in specific Condition No. 6.

5. Compliance with the particulate and visible emissions tests shall be determined within 90 days of completion of construction and initial operation using EPA Methods 1, 2, 3, 4, 5 and 9 contained in F.A.C. Rule 17-2.700. The visible emissions test for the flyash handling system shall be conducted along with the particulate tests and shall be for at least 60 minutes. The visible emissions tests

PERMITTEE:
Wheelabrator South Broward,
Inc.

Permit Numbers: AC 06-187000
AC 06-187001
Expiration Date: February 28, 1992

SPECIFIC CONDITIONS:

for the lime silo shall be conducted for the entire truck unloading operation. The minimum requirements for stack sampling facilities, source sampling and reporting shall be in accordance with F.A.C. Rule 17-2.700 and 40 CFR 60, Appendix A. A stack drawing showing sampling locations for the Mac Filter Model 120 LST 100 baghouse shall be submitted to the Department at least 90 days prior to testing.

6. The maximum allowable emission rate for particulate matter for the lime silo is set by specific Condition No. 2. Because of the expense, and complexity of conducting a stack test on minor sources of particulate matter, the Department, pursuant to the authority granted under F.A.C. Rule 17-2.700(3)(d), hereby waives the requirement for a stack test. The alternate standard set forth by this provision establishes a visible emission not to exceed an opacity of 5%.

7. Should the Department have any reason to believe the particulate emission standard is not being met for the lime silo, the Department may require that compliance with the particulate emission standards be demonstrated by testing in accordance with F.A.C. rule 17-2.700.

8. No objectionable odors from this facility will be allowed.

9. The Broward County Office of Natural Resource Protection and the Southeast District office of the DER shall be given written notice at least 15 days prior to compliance testing.

10. All conveyor loading points, transfer points and all ash processing equipment shall be properly enclosed. The facility shall be operated by personnel properly trained for the equipment herein. The Department shall be notified in writing on how the facility will be staffed and trained.

11. Reasonable precautions shall be taken during construction to prevent and control the generation of unconfined emissions of particulate matter in accordance with the provisions in F.A.C. Rule 17-2.610(3). Such reasonable precautions shall be: application of water or chemicals to control fugitive emissions from activities such as vehicular movement, loading, unloading, storage and handling, demolition, grading roads and land clearing.

PERMITTEE:
Wheelabrator South Broward,
Inc.

Permit Numbers: AC 06-187000
AC 06-187001
Expiration Date: February 28, 1992

SPECIFIC CONDITIONS:

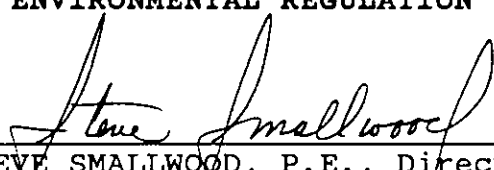
12. The permittee shall comply with all applicable provisions of Florida Administrative Code Chapters 17-2 and 17-4.

13. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Bureau of Air Regulation prior to 60 days before the expiration of the permit (F.A.C. Rule 17-4.090).

14. An application for an operation permit must be submitted to the Southeast District office at least 90 days prior to the expiration date of this construction permit. To properly apply for an operation permit, the applicant shall submit the appropriate application form, fee, certification that construction was completed noting any deviations from the conditions in the construction permit, and compliance test reports as required by this permit (F.A.C. Rules 17-4.055 and 17-4.220).

Issued this 12th day
of March, 1991

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



STEVE SMALLWOOD, P.E., Director
Division of Air Resources
Management