

# Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

February 5, 1991

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

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

Dear Mr. Wiegner:

Attached is one copy of the Technical Evaluation and Preliminary Determination and proposed permits to Wheelabrator North Broward, Inc. (Pompano Beach Resource Recovery facility) and Wheelabrator South Broward, Inc. (Fort Lauderdale Resource Recovery facility) to install lime silos and ash dust collection systems. The ash handling systems and the lime silos are equipped with baghouses. The North facility is located at 2700 Hilton Road (NW 48th Street), Pompano Beach and the South facility is located at 4400 South State Road 7, Fort Lauderdale. Both facilities are in Broward County, Florida.

Please publish the attached "Notice of Intent to Issue" in the legal ad section of a newspaper of general circulation in the area affected and submit the proof of publication to the Department within seven days of publication, along with any written comments you wish to have considered concerning the Department's proposed action, to Mr. Barry Andrews of the Bureau of Air Regulation.

Sincerely,

C. H. Fancy, P.E.

Chief

Bureau of Air Regulation

CHF/MB/plm

Attachments

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

BEFORE THE STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of  
Application for Permits by:

Wheelabrator North & South Broward, Inc. DER File No. AC 06-186997  
4400 S. State Road 7 AC 06-186998  
Fort Lauderdale, Florida 33314 AC 06-187000  
AC 06-187001

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INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its intent to issue air construction permits (copies attached) for the proposed project as detailed in the applications specified above. The Department is issuing this Intent to Issue for the reasons stated in the attached Technical Evaluation and Preliminary Determination.

The applicant, Wheelabrator North & South Broward, Inc., applied on September 27, 1990, to the Department of Environmental Regulation for permits to construct lime silos and ash dust collection systems. The ash handling systems and the lime silos are equipped with baghouses. The North facility is located at 2700 Hilton Road (NW 48th Street), Pompano Beach and the South facility is located at 4400 South State Road 7, Fort Lauderdale. Both facilities are in Broward County, Florida.

The Department has permitting jurisdiction under Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 17-2 and 17-4. The project is not exempt from permitting procedures. The Department has determined that air construction permits are required for the proposed work.

Pursuant to Section 403.815, F.S. and DER Rule 17-103.150, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Notice of Intent to Issue Permits. The notice shall be published one time only within 30 days, in the legal ad section of a newspaper of general circulation in the area affected. For the purpose of this rule, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. The applicant shall provide proof of publication to the Department, at the address specified within seven days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permits.

The Department will issue the permits with the attached conditions unless a petition for an administrative proceeding (hearing) is filed pursuant to the provisions of Section 120.57, F.S.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant and the parties listed below must be filed within 14 days of receipt of this intent. Petitions filed by other persons must be filed within 14 days of publication of the public notice or within 14 days of receipt of this intent, whichever first occurs. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information:

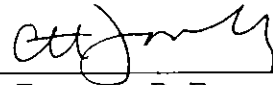
- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the applications have the right to petition to become a party to the proceeding. The petition must conform to the requirements

specified above and be filed (received) within 14 days of publication of this notice in the Office in General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION



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C. H. Fancy, P.E.  
Chief  
Bureau of Air Regulation

Copies 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 INTENT TO ISSUE and all copies were mailed before the close of business on 2-5-91.

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.

Kim Jober  
Clerk

2-5-91  
Date

State of Florida  
Department of Environmental Regulation  
Notice of Intent to Issue

The Department of Environmental Regulation hereby gives notice of its intent to issue permits to Wheelabrator North Broward, Inc. (Pompano Beach Resource Recovery facility) and Wheelabrator South Broward, Inc. (Fort Lauderdale Resource Recovery facility) to install lime silos and ash dust collection systems. The ash handling systems and the lime silos are equipped with baghouses. The North facility is located at 2700 Hilton Road (NW 48th Street), Pompano Beach and the South facility is located at 4400 South State Road 7, Fort Lauderdale. Both facilities are in Broward County, Florida. A determination of Best Available Control Technology (BACT) was not required. The Department is issuing this Intent to Issue for the reasons stated in the Technical Evaluation and Preliminary Determination.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the applications have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

The applications are available for public inspection during business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Department of Environmental Regulation  
Bureau of Air Regulation  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Department of Environmental Regulation  
Southeast District  
1900 S. Congress Ave., Suite A  
West Palm Beach, Florida 33406

Broward County Office of  
Natural Resource Protection  
621 S. Andrews Avenue  
Ft. Lauderdale, Florida 33301

Any person may send written comments on the proposed action to Mr. Barry Andrews at the Department's Tallahassee address. All comments mailed within 14 days of the publication of this notice will be considered in the Department's final determination.

Technical Evaluation  
and  
Preliminary 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

January 30, 1991



## I. Application

### A. Applicant

Wheelabrator North Broward, Inc.  
Wheelabrator South Broward, Inc.  
4400 South State Road 7  
Fort Lauderdale, Florida 33314

### B. Project and Location

Wheelabrator North Broward, Inc. of Pompano Beach has applied for a construction permit to install an ash handling system and a lime silo at the already approved Resource Recovery Project. A similar ash handling facility and lime silo will be installed at the Wheelabrator South Broward, Inc.'s Fort Lauderdale Resource Recovery Facility. Emissions from both silos and ash handling systems are controlled by baghouses.

### C. Facility Category

The SIC Code is 9999 and the SCC Code is 9990. Wheelabrator applied for construction permits on September 27, 1990 and was deemed complete on November 19, 1990.

## II. Project Description

Wheelabrator North Broward, Inc. (Pompano Beach Recovery Facility) has applied for a construction permit to install a lime silo and ash handling system (both equipped with baghouses). Wheelabrator South Broward, Inc. (Fort Lauderdale Resource Recovery Facility) also applied for a construction permit to install a similar lime silo and ash handling system (both equipped with baghouses).

Particulate emissions from the lime silo and ash handling system can reasonably be controlled by a properly designed baghouse.

## III. Rule Applicability

Both facilities are located in Broward County, an area designated nonattainment for ozone (F.A.C. Rule 17-2.410) and attainment for all other criteria pollutants (F.A.C. Rule 17-2.420). Both facilities are listed on Table 500-1, Major Facility Categories (list of 28). Although both plants are major facilities, the lime silos and ash handling systems are considered to be minor sources and are not subject to Prevention of Significant Deterioration (F.A.C. Rule 17-2.500), because the increase in particulate emissions will not exceed the significant emission rates for particulate matter, Table 500-2. Both projects will be reviewed under F.A.C. Rule 17-2.520, Sources Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements.

The particulate emissions from both baghouses (lime silo and ash handling system) will be limited to 0.010 grains/dscf as suggested by the applicant, and is based on BACT issued for similar sources by EPA's BACT/LAER clearinghouse documents. The visible emissions from both baghouses shall not exceed 5% opacity. The ash handling system baghouse being of moderate size dust collector with a designed flow of 8000 ACFM will be subject to annual particulate stack testing using EPA Method 5 along with a simultaneous visible emissions test.

The lime silo dust collector is a minor source in accordance with F.A.C. Rule 17-2.700(3)(d). The Department hereby waives the requirement of particulate stack test for this source and sets forth a visible emission limitation not to exceed 5% opacity during silo loading operations. Compliance testing of the lime silo loading operation shall be conducted using EPA Method 9 for visible emissions and shall be conducted during the entire truck unloading with two lime trucks unloading simultaneously.

#### IV. Source Impact Analysis

##### A. Emission Limitations

The particulate emissions shall not exceed 0.010 grains/dscf from both sources; and not to exceed 3.0 tons/year from ash handling system and a maximum of 0.021 tons/year from the lime silo.

The visible emissions shall be less than 5% opacity from both sources.

##### B. Air Quality Impacts

The Technical Evaluation of these projects determined that ambient air monitoring or modeling would not be required to provide reasonable assurance that Florida's air quality standards would not be violated.

#### V. Conclusion

Based on the information provided by Wheelabrator North Broward, Inc. and Wheelabrator South Broward, Inc., the Department has reasonable assurance that the proposed construction/installation of the ash handling systems and lime silos, as described in this evaluation, and subject to the conditions proposed herein, will not cause or contribute to a violation of any air quality standard, PSD increment, or any other technical provision of Chapter 17-2 of the Florida Administrative Code.

*Bain V. Arthur*  
#136024  
2-7-91

The particulate emissions from both baghouses (lime silo and ash handling system) will be limited to 0.010 grains/dscf as suggested by the applicant, and is based on BACT issued for similar sources by EPA's BACT/LAER clearinghouse documents. The visible emissions from both baghouses shall not exceed 5% opacity. The ash handling system baghouse being of moderate size dust collector with a designed flow of 8000 ACFM will be subject to annual particulate stack testing using EPA Method 5 along with a simultaneous visible emissions test.

The lime silo dust collector is a minor source in accordance with F.A.C. Rule 17-2.700(3)(d). The Department hereby waives the requirement of particulate stack test for this source and sets forth a visible emission limitation not to exceed 5% opacity during silo loading operations. Compliance testing of the lime silo loading operation shall be conducted using EPA Method 9 for visible emissions and shall be conducted during the entire truck unloading with two lime trucks unloading simultaneously.

#### IV. Source Impact Analysis

##### A. Emission Limitations

The particulate emissions shall not exceed 0.010 grains/dscf from both sources, and not to exceed 3.0 tons/year from ash handling system and a maximum of 0.021 tons/year from the lime silo.

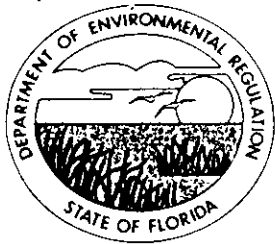
The visible emissions shall be less than 5% opacity from both sources.

##### B. Air Quality Impacts

The Technical Evaluation of these projects determined that ambient air monitoring or modeling would not be required to provide reasonable assurance that Florida's air quality standards would not be violated.

#### V. Conclusion

Based on the information provided by Wheelabrator North Broward, Inc. and Wheelabrator South Broward, Inc., the Department has reasonable assurance that the proposed construction/installation of the ash handling systems and lime silos, as described in this evaluation, and subject to the conditions proposed herein, will not cause or contribute to a violation of any air quality standard, PSD increment, or any other technical provision of Chapter 17-2 of the Florida Administrative Code.



# 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. Two trucks can be unloaded pneumatically and simultaneously 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 403.161, 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 17-30.300, 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 North Broward,  
Inc.

Permit Numbers: AC 06-186997  
AC 06-186998  
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 North 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 30 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



PERMITTEE:  
Wheelabrator North Broward,  
Inc.

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

**SPECIFIC CONDITIONS:**

visible emissions tests for the lime silo shall be conducted for the entire truck unloading operation, while both lime trucks are being unloaded simultaneously. 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 will 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. The Department reserves the right to be present during staff training, particularly with respect to air pollution control equipment and monitoring systems. The Department personnel or its representative shall have access to this facility as noted in General Condition No. 7.

11. All 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). These provisions are applicable to any source, including, but not limited to; vehicular movement, transportation

PERMITTEE:  
Wheelabrator North Broward,  
Inc.

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

**SPECIFIC CONDITIONS:**

of materials, construction, alteration, demolition or wrecking; or industrial related activities such as loading, unloading, storing and handling.

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).

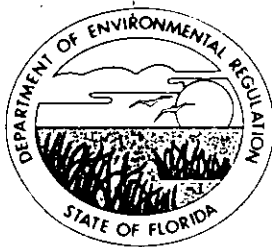
14. An application for an operation permit must be submitted to the Southeast District office at least 90 days prior to the expiration date of this construction permit. To properly apply for an operation permit, the applicant shall submit the appropriate application form, fee, certification that construction 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 \_\_\_\_\_ day  
of \_\_\_\_\_, 1991

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

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



# Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant 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. Two trucks can be unloaded pneumatically and simultaneously 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 403.161, 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.

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**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.

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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 17-30.300, 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

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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 30 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

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**SPECIFIC CONDITIONS:**

visible emissions tests for the lime silo shall be conducted for the entire truck unloading operation, while both lime trucks are being unloaded simultaneously. 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 will 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. The Department reserves the right to be present during staff training, particularly with respect to air pollution control equipment and monitoring systems. The Department personnel or its representative shall have access to this facility as noted in General Condition No. 7.

11. All 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). These provisions are applicable to any source, including, but not limited to; vehicular movement, transportation



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**SPECIFIC CONDITIONS:**

of materials, construction, alteration, demolition or wrecking; or industrial related activities such as loading, unloading, storing and handling.

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 \_\_\_\_\_ day  
of \_\_\_\_\_, 1991

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

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

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

Show to whom delivered, date, and addressee's address.  Restricted Delivery (Extra charge)

3. Article Addressed to: Mr. James R. Wiegner, Project Mgr. Wheelabrator North Broward, Inc. 4400 S. State Road 7 Ft. Lauderdale, FL 33314	4. Article Number P. 256 396 223
	Type of Service: <input checked="" type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
	Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X	
7. Date of Delivery	

PS Form 3811, Apr. 1989 \* U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

P 256 396 223

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
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(See Reverse)

U.S.G.P.O. 1989-234-555

PS Form 3800, June 1985

Sent to Mr. James R. Wiegner, N. & S.	
Street and No. Broward 4400 S. State Rd. 7	
P.O., State and ZIP Code Ft. Lauderdale, FL 33314	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date Mailed: 10-26-90 Permit: AC 06-186997, -998 AC 06-187000, -001	