

## **FINAL DETERMINATION**

Wheelabrator North Broward, Inc.  
North Broward Waste-to-Energy Facility  
Facility ID No.: 0112120  
Air Construction Permit No.: 0112120-007-AC  
Broward County

An Intent to Issue an air construction permit to Wheelabrator North Broward Inc., to increase the lime silo filling rate from 40, 000 to 50,000 lb/hr at the Ft Lauderdale facility, was distributed on August 6, 2004. The Public Notice of Intent to Issue Air Construction Permit was published in the Fort Lauderdale Sun Sentinel on August 16, 2004. The facility is located at 2600 N.W. 48<sup>th</sup> Street, Pompano Beach, Broward County.

No comments were submitted by the U.S.EPA, the National Park Service, municipalities or the public during the public notice period.

The final action of the Department will be to issue the permit as noted during the public notice period.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NOTICE OF PERMIT

In the Matter of an  
Application for Permits by:

Wheelabrator North Broward, Inc.  
2600 N.W. 48<sup>th</sup> Street  
Pompano Beach, FL 33073

FINAL Air Construction Permit No. 0112120-007-AC  
Lime Silo Filling Rate Increase  
North Broward Waste-to-Energy Facility  
Broward County

Enclosed is the Permit Number 0112120-007-AC to increase the Lime Silo Filling Rate to 50,000 lb/hr at the Wheelabrator North Broward, Inc located at 2600 N.W. 48<sup>th</sup> Street, Pompano Beach, Broward County. This permit is issued pursuant to Chapter 403, Florida Statutes.

Any party to this order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, F.S., 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 Legal Office; 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 (thirty) days from the date this Notice is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.



Trina L. Vielhauer, Chief  
Bureau of Air Regulation

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF FINAL PERMIT (including the FINAL permit) was sent by certified mail (\*) and copies were mailed by U.S. Mail before the close of business on 9/28/04 to the person(s) listed:

Paul Grego, Wheelabrator North Broward, Inc.  
Daniela Banu, Broward County Department of Natural Resource Protection  
Thomas Tittle, Southeast District Office  
Hamilton S. Oven, Jr., FDEP (Internet E-mail)  
U.S. EPA, Region 4 (INTERNET E-mail)

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to §120.52(7), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

  
(Clerk)

9/28/04  
(Date)



Jeb Bush  
Governor

# Department of Environmental Protection

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

Colleen M. Castille  
Secretary

**Permittee:**

Wheelabrator North Broward, Inc.  
Waste-to Energy Facility  
2600 N.W. 48<sup>th</sup> Street  
Pompano Beach, Florida 33073

**FINAL Permit No.:** 0112120-007-AC

**Facility ID No.:** 0112120

**SIC Nos.:** 49, 4953

**Project:** Lime Silo

**Expiration Date:** December 31, 2004

**PROJECT AND LOCATION**

This project is a re-issued and modified permit for the construction of a lime silo and associated baghouse. Emissions Unit -004 is a 236 ton capacity silo for storage of pebble lime. It is part of the spray dry absorber (SDA) system used for control of acid gases from the municipal waste combustion units. A supply truck pneumatically transfers pebble lime to the silo through a fill line. A Wheelabrator Air Pollution Control Jet III baghouse (Model No. 1016, BA-108) is used to control particulate matter emissions during silo filling. This lime silo and associated baghouse is located at the existing North Broward County Waste-to-Energy Facility. No physical changes are associated with this project. This permit will allow an increase in the rate at which the silo is filled.

This facility is located at 2600 N.W. 48<sup>th</sup> Street, Pompano Beach, Broward County. UTM Coordinates: Zone 17, 583.541 km East and 2907.498 km North; Latitude: 26° 17' 12" North and Longitude: 80° 09' 48" West.

**STATEMENT OF BASIS**

This construction permit is issued under the provisions of Chapter 403 of the Florida Statutes (F.S.), and Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297 of the Florida Administrative Code (F.A.C.). The above named permittee is authorized to modify the facility in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department of Environmental Protection (Department).

**ATTACHED APPENDICES MADE A PART OF THIS PERMIT:**

Appendix SC Specific Conditions (including Permit AC 06-186998 with General Conditions)

Michael G. Cooke, Director  
Division of Air Resource  
Management

**APPENDIX SC**  
**SPECIFIC CONDITIONS**

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1. This permit, 0112120-007-AC, supersedes Air Construction Permit AC 06-186998 (attached) issued on March 12, 1991 to install a lime silo with a capacity of 236 tons together with a baghouse designed for a flow rate of 1500 actual cubic feet per minute (ACFM). None of the provisions in the attached document related to Air Construction Permit AC 06-186997 for the ash handling system are incorporated into this document or modified by this action
2. The provisions of Air Construction Permit AC 06-186998 issued on March 12, 1991, are attached and incorporated into this air construction permit except for the change that follows in Specific Condition 3 below.
3. The description of the Lime Silo is: The lime silo has a capacity of 236 ton capacity silo for storage of pebble lime. Only one truck can be unloaded pneumatically into the lime silo at a maximum process input rate of 50,000 lb/hr. The lime silo is equipped with Wheelabrator Air Pollution Control Jet III baghouse Model No. 1016, BA-108 designed at a flow rate of 1500 ACFM.

**RELEVANT DOCUMENTS**

The documents listed below are not a part of this permit; however, they are specifically related to this permitting action and are on file with the Department.

- Application Information received on April 8, 2004 (complete on May 10, 2004);
- Statement of Basis for Draft Title V Permit Revision;
- Permit for the Significant Deterioration of Air Quality (PSD-FL-112) issued on July 28, 1987 for the three municipal waste combustors and pollution control systems of which the lime silo is a constituent;
- Modification to PSD-FL-112 issued February 9, 1989, May 22, 1997, and September 28, 1999.
- Power Plant Siting Certification, PA 86-22, issued on March 3, 1987 and subsequent revisions dated April 12, 1988, February 1, 1989, October 4, 1991, and November 30, 1992.
- Air Construction Permit AC 06-186997 issued on March 12, 1991 (within the same document as AC 06-186998) and subsequent revisions 0112120-002-AC dated October 23, 2000 and 0112120-003-AC dated October 22, 2002.