Florida Department of Environmental Protection

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2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Rick Scott
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Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

PERMITTEE

Wheelabrator North Broward, Inc.
2600 North West 48th Street
Pompano Beach, FL 33073

Authorized Representative:
Mr. Jim Epsilantis, Plant Manager

Air Permit No. 0112120-011-AC
Permit Expires: June 30, 2013
Minor Air Construction Permit
North Broward Resource Recovery Facility
Wet Dust Collection System for the
Metal Recovery Facility

PROJECT

This is the final air construction permit, which authorizes the installation of a new wet dust collection system on the metal recovery facility to control dust and maintain indoor air quality for employee comfort and safety. The proposed work will be conducted at the existing North Broward Resource Recovery Facility, which is a refuse system categorized under Standard Industrial Classification No. 4953. The existing facility is located in Broward County at 2600 North West 48th Street, Pompano Beach, Florida. The UTM coordinates are Zone 17, 583.541 km East and 2907.498 km North.

This final permit is organized into the following sections: Section 1 (General Information); Section 2 (Administrative Requirements); Section 3 (Emissions Unit Specific Conditions); and Section 4 (Appendices). Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

STATEMENT OF BASIS

This air pollution 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 permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

Executed in Tallahassee, Florida
(Electronic Signature)

Office of Permitting and Compliance
Division of Air Resource Management
Department of Environmental Protection
Tallahassee, Florida

Jeffery F. Koerner
2012.07.02 10:54:12 -04'00'

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination and Final Permit with Appendices) was sent by electronic mail, or a link to these documents made available electronically on a publicly accessible server, with received receipt requested before the close of business on the date indicated below to the following persons.

Mr. Jim Epsilantis, Wheelabrator North Broward, Inc.: jepsilantis@wm.com
Mr. Kennard F. Kosky, PE, Golder Associates Inc.: kkosky@golder.com
Mr. Lennon Anderson, Southeast District Office: lennon.anderson@dep.state.fl.us
Ms. Cindy Mulkey, DEP Siting Office: cindy.mulkey@dep.state.fl.us
Ms. Barbara Friday, DEP OPC: barbara.friday@dep.state.fl.us
Ms. Lynn Scearce, DEP OPC: lynn.scearce@dep.state.fl.us

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.
(Electronic Signature)

Lynn Scearce
2012.07.02 13:03:23 -04'00'

PROPOSED PROJECT

This permit authorizes installation of a new wet dust collection system for the metal recovery facility to control dust and maintain indoor air quality for employee comfort and safety. The metal recovery facility was approved by the Department as a modification to the Site Certification No. PA 86-22J on April 15, 2011. However, the wet dust collection system was not included in the original design for the metal recovery building.

This project will add the following emissions unit.

Facility ID No. 0112120	
ID No.	**Emission Unit Description**
007	Metal recovery facility with wet dust collection system

FACILITY REGULATORY CLASSIFICATION

- The facility is a major source of hazardous air pollutants (HAP).
- The facility has no units subject to the acid rain provisions of the Clean Air Act.
- The facility is a Title V major source of air pollution in accordance with Chapter 62-213, F.A.C.
- The facility is a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.
- The facility is regulated in accordance with Rule 62-204.800(9)(d), F.A.C., the Emissions Guidelines and Compliance Times for Large Municipal Waste Combustors that are constructed on or before September 20, 1994 (Subpart Cb of 40 CFR 60).

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the Office of Permitting and Compliance in the Division of Air Resource Management of the Department of Environmental Protection (Department). The Office of Permitting and Compliance mailing address is 2600 Blair Stone Road (MS #5505), Tallahassee, Florida 32399-2400.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Southeast District Office at 400 North Congress Avenue, West Palm Beach, Florida 33416-5425. Telephone (561) 681-6600, Fax (561) 681-6755.

3. Appendices: The following Appendices are attached as a part of this permit: Appendix A (Citation Formats and Glossary of Common Terms); Appendix B (General Conditions); Appendix C (Common Conditions); and Appendix D (Common Testing Requirements).

4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.

5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]

6. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]

7. Construction and Expiration: The expiration date shown on the first page of this permit provides time to complete the physical construction activities authorized by this permit, complete any necessary compliance testing, and obtain an operation permit. Notwithstanding this expiration date, all specific emissions limitations and operating requirements established by this permit shall remain in effect until the facility or emissions unit is permanently shut down. For good cause, the permittee may request that that a permit be extended. Pursuant to Rule 62-4.080(3), F.A.C., such a request shall be submitted to the Permitting Authority in writing before the permit expires. [Rules 62-4.070(4), 62-4.080 & 62-210.300(1), F.A.C.]

8. Title V Air Operation Permit: The permittee shall add the wet dust collection system to the Title V air operation permit when it is next re-opened for some other cause. [Rule 62-4.070(3) and Chapter 62-213, F.A.C.]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

A. Metal Recovery Facility with Wet Dust Collection System (EU-007)

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
007	Metal recovery facility with wet dust collection system (WDC-2 and WDC-3)

EQUIPMENT

1. Wet Dust Collector System: The permittee is authorized to install a ventilation system for the metal recovery facility that will exhaust through two wet dust collectors identified as WDC-2 and WDC-3. Each dust collector will be a Tri-Mer® Corporation Whirl Wet® Model W/W-170 high-efficiency dust collector (or equivalent) with a nominal flow rate of 17,000 standard cubic feet per minute (scfm) and a design control efficiency of 99%. Fugitive dust from the processing equipment area will be controlled by WDC-2, while fugitive dust generated from storage and loading areas will be controlled by WDC-3. The purpose of the new system is to improve and maintain indoor air quality and for employee comfort and safety within the metal recovery facility.

   {Permitting Notes: Total potential particulate matter (PM) emissions from the project are estimated to be 0.084 tons per year (TPY).} [Design and Application No. 0112120-011-AC]

PERFORMANCE RESTRICTIONS

2. Restricted Operation: The hours of operation are not limited (8760 hours per year). [Rules 62-210.200(PTE), F.A.C.]

MONITORING REQUIREMENTS

3. Monitoring: The wet dust collector system shall include equipment to monitor the water level and the pressure differential. The control equipment shall be operated in accordance with the manufacturer's recommendations for the given operating conditions. [Rule 62-4.070(3), F.A.C.]