FILE

TECHNICAL EVALUATION

AND

PRELIMINARY DETERMINATION

Miami-Dade Aviation Department

Miami International Airport

Construction Permit for Eight Emergency Generators

Miami- Dade County

DEP File No. 0250393-007-AC

Permitting /Compliance Authority:
Florida Department of Environmental Protection
Southeast District Office, Air Program
400 North Congress Avenue, Suite 200
West Palm Beach, Florida, 33401
Telephone: 561-681-6600
Fax: 561-681-6790

September 11, 2007

I. APPLICATION INFORMATION

A. APPLICANT

Miami-Dade Aviation Department
Construction of Eight Emergency Generators at Miami International Airport
Le Jeune Road & 20th Street
Miami, Florida 33122

Authorized Representative:

Pedro Hernandez, P.E., Division Director-Civil Environmental Engineering Division
Miami-Dade Aviation Department
P.O. Box 025504
Building 5A
Miami, FL 33102-5504

B. PROCESSING SCHEDULE

Received application for installation of eight new emergency generators August 27, 2007
Received appropriate fee September 16, 2007
Application complete September 17, 2007
Department's Intent to Issue and Public Notice Package dates

C. FACILITY LOCATION

The Miami International Airport is located at Le June Road & 20th Street, Miami, Miami-Dade County. The UTM coordinates are Zone 17; 570.61 km E; 2853.38 km N. This site is approximately 10 kilometers from the Everglades National Park, a Class I Area with respect to the Rules for the Prevention of Significant Deterioration of Air Quality (PSD).

D. FACILITY CLASSIFICATION CODE (SIC)

Major Group No. 45, Transportation by Air,
Industry Group NO.458, Airports, Flying Fields, Airport Terminals Services
Industry No. 4581, Airports, Flying Fields, Airport Terminals Services

E. REGULATORY CATEGORIES

Title III, CAA: Hazardous Air Pollutant Program: The facility is not a major source of hazardous air pollutants (HAPs)
Title IV, CAA: Acid Rain Program: The facility does not operate units subject to the acid rain provisions of the Clean Air Act.
Title V, CAA: Operating Permit Program: The facility is not a Title V major source of air pollution in accordance with Chapter 213, F.A.C.

F. FACILITY DESCRIPTION

The existing Miami International Airport is permitted under a Federally Enforceable State Operation Permit (FESOP). The facility consist of six Internal Floating Roof Tanks, and eight Vertical Fixed Roof Tanks for the storage of Jet Kerosene. The tanks have a vapor pressure of less than 0.05 psi at 90° F. The facility also operates a Loading Rack and fifty Emergency Generators. These emissions units are regulated emission units. The facility also operates some exempt activities that do not have issions unit specific conditions, but are subject to applicable general pollutant emission limiting standards.

G. PROJECT BACKGROUND AND APPLICANT'S PROPOSAL:

Emission Units 007- 008

Currently these emissions units consist of fifty (50) emergency generators at the facility. The applicant proposes to install eight new emergency generators and replace two existing generators bringing the total generators to fifty-six (56). This will be accomplished with construction permit Project 007.

Project 007 consists of the addition of the eight new emergency generators, two of the eight new generators will replace two generators previously permitted under project 006; the addition of these emergency generators will increase the total number of generators to fifty six (56). Twenty-eight (28) less than 600 horsepower and twenty-eight (28) more than 600 horsepower.

The combined power output of the emergency generator units will be limited in Kilowatt-hours in any 12 consecutive month period. The permit limit of 4,142,490 Kw-hr in a 12-month period will limit NOx emissions from the emergency generators at the facility from the generators to 86 tons per year.

Compliance with the emissions limit will be accomplished with record keeping of hours of operation for each generator and the Kw-hr for each generator in the 12-month cumulative hours of operation and 12 month rolling total calculated Kw-hr for all generators.

These emergency generators are allowed to operate less than five hundred (500) hours per year pursuant to Rule 62-210.200

Project 007 will include all the emissions units and exempt activities in existence at the facility, plus the addition of the eight new emergency generators. This is done with the intention to eliminate the FESOP permit and provide later, to the facility, a regular operation permit. Because all emissions units are included in project 007, the construction permit will turn into a new federally enforceable permit for the facility.

Regulated emission units:

- Six Internal Floating Roof Tanks storing Jet Kerosene
- Eight Vertical Fixed Roof Tanks storing Jet Kerosene
- Twenty eight emergency diesel generators, with less than 600 HP
- Twenty eight emergency diesel generators with more than 600 HP
- Chemical Usage
- West Cargo Loading Rack

Exempt Activities:

- Three Vertical Fixed Roof Tanks
- Sand Blasting operations
- Welding Operations
- Woodworking Operations
- Part Washers and Fuel filters changes, spills
- Chiller Units
- Bus Rack (Shuttle Fueling Station, 14th Street), Midfield Fueling (Satellite Concourse E), and MDAD Ground Vehicle Fueling Facility (4300 NW 20th Street)
- Petroleum Contaminated Water (PCW)
- Paint Shop and Bus Painting Operations
- Twenty Diesel-Fueled Emergency Fire Pumps Less than 600 HP
- Forty-one Emergency Generators Diesel Tanks

H. PROJECT EMISSIONS

Potential Emissions							
Emission Units	Fuel Type		CO tpy	NOx tpy	SO2 tpy	PM tpy	VOC tpy
007-008	Diesel .5 % Sulfur		6.16	21.80	2.27	0.88	3.52
		Total	6.16	21.80	2.27	0.88	7.57

II. RULE APPLICABILITY

A. State Regulations

The project is subject to the applicable environmental laws specified in Section 403 of Florida Statutes (F.S.). Florida Statutes authorize the Department to establish rules and regulations regarding air quality as part of the Florida Administrative Code (F.A.C.). State rules and regulations of the Florida Administrative Code applicable to this project include but are not limited to the following:

State Regulations Applicable to Miami-Dade Aviation Department.

Chapter 62-4	Permits
Rule 62-204.220	Ambient Air Quality Protection
Rule 62-204.240	Ambient Air Quality Standards
Rule 62-210.200	Definitions
Rule 62-210.300	Permits Required
Rule 62-210.350	Public Notice and Comments
Rule 62-210.370	Reports
Rule 62-210.550	Stack Height Policy
Rule 62-210.650	Circumvention
Rule 62-210.700	Excess Emissions
Rule 62-210.900	Forms and Instructions
Rule 62-212.300	General Preconstruction Review Requirements
Rule 62-296.320	General Pollutant Emission Limiting Standards

B. FEDERAL REGULATIONS

This project is not subject to federal provisions since Tanks No. 24, 25 and 26 were installed after July 23, 1984; they are not subject to 40 CFR Subpart Kb since they store jet kerosene which has maximum vapor pressure of less than 3.5 kilopascal (kPa). None of the fixed and floating roof tanks with Jet Kerosene are subject to VOC control requirements contained in the NSPS Subpart K, Ka or Kb as the vapor pressure of Jet Kerosene is approximately 0.75 mm Hg at ambient temperature, which is significantly below regulatory limits.

CONCLUSION

The Department makes a preliminary determination that the proposed project will comply with all applicable state and federal air pollution regulations as conditioned in the draft permit. This determination is based on a technical review of the complete application, reasonable assurances provided by the Applicant, and the conditions specified in the draft permit. Manny Delosantos is the

project engineer responsible for reviewing the application and drafting the permit. Additional details of this analysis may be obtained by contacting the project engineer at the Department's Southeast District Office 400 North Congress Avenue, Suite 200, West Palm Beach, Florida 33401. (Phone 561/681-6628, Fax 561/681-6790)

REFERENCES

State Rules, 40CFR.
Subparts K, Ka, Kb.
Applicant's EPSAP submittal

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary-
Designee

Florida Department of Environmental Protection

Southeast District
400 N. Congress Avenue, Suite 200
West Palm Beach, FL 33401

October 11, 2007

ELECTRONIC CORRESPONDENCE
Phernandez@Miami-Airport.com

In the Matter of an Application for Permit by:

Mr. Pedro Hernandez
Division Director-Civil Environmental Engineering Division
P.O. BOX 025504
Building 5A
Miami, FL 33102-5504

DEP File No. 0250393-007-AC
Miami-Dade County
Project: Construction of Eight Emergency Generators

INTENT TO ISSUE

Dear Mr. Hernandez:

The Department of Environmental Protection gives notice of its intent to issue a permit (copy attached) for the proposed project as detailed in the application specified above, for the reasons stated below. A copy of the draft permit is attached.

The applicant, Mr. Pedro Hernandez, applied on August 27, 2007, to the Department of Environmental Protection for a permit to construct an air pollution source consisting of eight additional Emergency Generators. This facility is located at Le Jeune Road and NW 20th Street to, Miami- Dade County, Florida. The purpose of this application was to install eight generators units; two of them will replace two existing generators and the remaining six will be added to the facility.

Specifically, the applicant requested that emissions of Nitrogen Oxides (NOx) from this project be limited to less than 86 tons per year through enforceable permit limitations. These limitations, which address emissions of air pollution on a facility-wide basis, will become enforceable upon issuance of the final permit. The draft permit contains specific conditions which will limit air pollution emissions to the amounts described above.

The Department has permitting jurisdiction under Section 403.087, Florida Statutes (F.S.), to issue or deny permits for air pollution sources. The project is not exempt from permitting procedures. The Department has determined that an air pollution construction permit is required for the proposed work.

The Department intends to issue this air construction permit based on Florida Administrative Code (F.A.C.) Rules 62-4, and 62-204 through 62-297, and the belief reasonable assurances have been provided to indicate the proposed project will not adversely impact air quality, and that the specific conditions in the draft permit limit the potential emissions of air pollutants to the amounts described above.

Pursuant to Section 403.815, F.S., and Rule 62-110.106(7)(a)1, F.A.C., you (the applicant) are required to publish at your own expense the enclosed "Public Notice of Intent to Issue Air Construction Permit." The notice shall be published one time only in the legal advertisement section of a newspaper of general circulation in the area affected. Rule 62-110.106(7)(b), F.A.C. requires that the applicant cause the notice to be published as soon as possible after notification by the Department of its intended action. For the purpose of these rules, "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. If you are uncertain that a newspaper meets these requirements, please contact the Air Permitting Section of the Department at the address or telephone number listed below. The applicant shall provide proof of publication to the Air Permitting Section of the Department of Environmental Protection, in person or by mail at 400 North Congress Avenue, Suite 200, West Palm Beach, Florida 33401, (Telephone 561-681-6600; Fax 561-681-6790). You must provide proof of publication within seven days of publication, pursuant to Rule 62-110.106(5), F.A.C. No permitting action for which published notice is required shall be granted until proof of publication of notice is made by furnishing a uniform affidavit in substantially the form prescribed in section 50.051, F.S. to the office of the Department issuing the permit. Failure to publish the notice and provide proof of publication may result in the denial of the permit pursuant to Rules 62-110.106(9) & (11), F.A.C.

The Department will issue the final permit with the attached conditions unless a response received in accordance with the following procedures results in a different decision or significant change or terms or conditions.

The Department will accept written comments concerning the proposed permit issuance action for a period of 14 (fourteen) days from the date of publication of "Public Notice of Intent to Issue Air Construction Permit." Written comments should be provided to the Air Permitting Section of the Department's Southeast District Office, 400 North Congress Avenue, Suite 200, West Palm Beach, Florida 33401. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to sections 120.569 and 120.57 F.S., before the deadline for filing a petition. The procedures petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida's 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 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, (Telephone: 850/245-2242; Fax 850/245-2303). Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

(a) The name and address of each agency affected and each agency's file or identification number, if known;
(b) The name, address, and telephone number of the petitioner, the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
(c) A statement of how and when petitioner received notice of the agency action or proposed action;
(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
(e) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and
(f) A demand for relief.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that 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 such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available in this proceeding.

In addition to the above, a person subject to regulation has a right to apply for a variance from or waiver of the requirements of particular rules, on certain conditions, under section 120.542, F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, (Telephone: 850/245-2242; Fax 850/245-2303). The petition must specify the following information:

(a) The name, address, and telephone number of the petitioner;
(b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any;
(c) Each rule or portion of a rule from which a variance or waiver is requested;
(d) The citation to the statute underlying (implemented by) the rule identified in (c) above;
(e) The type of action requested;
(f) The specific facts that would justify a variance or waiver for the petitioner;
(g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and
(h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in section 120.542(2), F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of EPA and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Jack Long 10-11-07

Jack Long — Date
District Director
Southeast District

LWH
JL/LH/md

Attachment

c:

Raisa Neginsky, SED/DEP	e-mail	raisa.neginsky@dep.state.fl.us
H. Patrick Wong, Chief, Miami-Dade DERM	e-mail	Wongp@miamidade.gov

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

Clerk — 10/11/07 Date

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT

The Department of Environmental Protection gives notice of its intent to issue a permit to Mr. Pedro Hernandez of Miami-Dade Aviation Department, to construct an air pollution source consisting of eight Emergency Generators. This facility is located at Le Jeune Road and NW 20 Street, Miami-Dade County, Miami, Florida. The Department's file number in this matter is 0250393-007-AC. The Department intends to issue this permit based on Florida Administrative Code (F.A.C.) Rules 62-4, and 62-204 through 62-297, and the belief that reasonable assurances have been provided to indicate the proposed project will not adversely impact air quality.

Specifically, the applicant requested that emissions of Nitrogen Oxides (NOx) from this project be limited to less than 86 tons per year through enforceable permit limitations. These limitations, which address emissions of air pollution on a facility-wide basis, will become enforceable upon issuance of the final permit. The draft permit contains specific conditions which will limit air pollution emissions to the amounts described above.

The Department will accept written comments concerning the proposed permit issuance action for a period of 14 (fourteen) days from the date of publication of "Public Notice of Intent to Issue Air Construction Permit." Written comments should be provided to the Air Permitting Section of the Department's Southeast District Office, 400 North Congress Avenue, Suite 200, West Palm Beach, Florida 33401. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to sections 120.569 and 120.57 F.S., before the deadline for filing a petition. The procedures petitioning for a hearing are set forth below. Mediation is not available for this action.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida's 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 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, (Telephone: 850/245-2242; Fax 850/245-2303). Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

a. The name and address of each agency affected and each agency's file or identification number, if known;
b. The name, address, and telephone number of the petitioner, the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
c. A statement of how and when petitioner received notice of the agency action or proposed action;
d. A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
e. A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and
f. A demand for relief.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available in this proceeding.

Florida Department of Environmental Protection

Southeast District
400 N. Congress Avenue, Suite 200
West Palm Beach, FL 33401

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary-Designee

NOTICE OF AIR POLLUTION PERMIT

DATE

ELECTRONIC CORRESPONDENCE
Phernandez@Miami-Airport.com

ISSUED TO:

Miami-Dade Aviation Department
Le Jeune Road & NW 20th Street
Miami, FL 33122

Permit Number: 0250393-007-AC
Issue Date:
Expiration Date: **One year after issue date**

Authorized Representative:

Mr. Pedro Hernandez, P.E.
Division Director-Civil Environmental Engineering Division

PROJECT:

Project:	Air Construction permit for the installation of eight new emergency generators and consolidate all pervious construction and FESOP permits into one permit.
Facility Description:	Transportation by Air (SIC # 4581)
Location:	Le June Road & NW 20th Street, Miami-Dade County, Florida
Lat./Long.:	25°47'54" N / 80°17'19" W
UTM: Zone 17;	570.61 Km. E; 2853.38 Km. N

Dear Mr. Hernandez:

This is Permit Number 0250393-007-AC to construct an air pollution source issued pursuant to Chapter 403.087, Florida Statutes (F.S.). This is a new construction permit to authorize the installation of eight new Emergency Generators, replacing two of the previously permitted, for a net gain of six (6) generators, and consolidate all previously issued construction and FESOP permits into one permit for the facility.

NOTICE OF RIGHTS:

Any party to this Order has the right to seek judicial review of the permit under Section 120.68 of the Florida Statutes, by filing a Notice of Appeal under Rule 9.110 of the Florida Rules of Appellate Procedure, with the Clerk of the Department of Environmental Protection in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, (Telephone: 850/245-2242; Fax 850/245-2303), 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 Order is filed with the Clerk of the Department.

DRAFT

STATEMENT OF BASIS:

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Rules 62-4, and 62-204 through 62-297, and in conformance with all existing regulations of the Florida Department of Environmental Protection. The above named owner or operator is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department, in accordance with the terms and conditions of this permit.

PART I -- SUMMARY INFORMATION

PERMIT CONTENTS:

Part I -- Summary Information
Part II -- Facility-Wide Specific Conditions
Part III -- Emissions Unit Specific Conditions
Appendix A -- General Conditions
Appendix B—New Generators List

CONSTRUCT: This permit addresses the following air pollution emissions units:

Emissions Unit Number	Emissions Unit Description
004	Internal Floating Roof Tanks (Includes tanks No. 13,14,15,16,17 and 18) storing Jet Kerosene
005	Vertical Fixed Roof Tanks (Includes tanks No. 3,5,7,8,9,24,25,and 26) storing Jet Kerosene
007	Twenty eight (28) emergency diesel generators, with less than 600 HP
008	Twenty eight (28) emergency diesel generators with more than 600 HP
010	Chemical Usage
018	West Cargo Loading Rack

This permit also addresses the following air pollution activities, which are deemed to be exempt from permitting, based on the information provided by the applicant to the Department in the application submitted August 27, 2007:

Emissions Unit Number	Exempt Activity Description
013	Three Vertical Fixed Roof Tanks (Diesel and Vehicle fuel of total capacity 30,000 gal)
014	Sand Blasting operations
015	Welding Operations
016	Woodworking Operations
019	Part Washers (System One Units) and Fuel filters changes, spills
020	Chiller Units
021	Bus Rack (Shuttle Fueling Station, 14th Street), Midfield Fueling (Satellite Concourse E), and MDAD Ground Vehicle Fueling Facility (4300 NW 20th Street)
022	Petroleum Contaminated Water (PCW) Tank # 21 and four (4) 500 gallon PCW Tanks (Dike Area # 5)
023	Paint Shop and Bus Painting Operations
024	Twenty Diesel-Fueled Emergency Fire Pumps Less than 600 HP
025	Forty-one Emergency Generators Diesel above ground tanks

Exempt activities have no emissions unit specific conditions, but are still subject to applicable general pollutant emissions limiting standards specified in Part II of this permit.

DRAFT

SIGNIFICANT DATES:

Public Notice of Intent Published: **Pending**
Application Received: **August 27, 2007**
Fee received: **September 14, 2007**

PERMIT HISTORY:

Permit No. 0250393-006-AF issued **August 23, 2005**
Permit No. 0250393-005-AF issued **November 26, 2002**
Permit No. 0250393-004-AF issued **June 29, 1998**
Permit No. 0250393-001-AF issued **February 07, 1997**
Permit No. AO 13-199202 issued **November 26, 2002**
Permit No. AC 13-272642 issued **November 17 1995**

This permit supersedes all construction and FESOP permits issued previously.

PART II – FACILITY-WIDE SPECIFIC CONDITIONS

Conditions in this part generally apply to all emissions units and activities covered under this permit.

1.0 Administrative Requirements

1.1 Regulating Agencies: All applications, tests, reports, notifications, or other submittals required by this permit shall be submitted to the Florida Department of Environmental Protection, Southeast District Office, Air Program at 400 North Congress Ave, Suite 200, West Palm Beach, Florida, 33401, (phone 561-681-6600, Fax 561/681-6790)). In addition, copies shall be submitted to Miami-Dade County Department of Environmental Resources Management, Air Quality Management Division, Overtown Transit Village North, 701 NW 1st Court, Miami, Florida, 33136, (phone 305-372-6925).

1.2 Citation Format: In this permit, references to F.A.C. Rule 62-xxx refer to rules promulgated under Title 62 of the Florida Administrative Code; references (if any) to 40 CFR 60.xx (or 61.xx or 63.xx) refer to regulations codified under Part 60 (or 61 or 63) of Title 40 of the Code of Federal Regulations.

1.3 Specific and General Conditions: The owner or operator shall be subject to the specific conditions of this permit and the owner or operator shall be aware of, and operate under, the attached General Conditions, attached as Appendix A of this permit. General Conditions are binding and enforceable pursuant to Chapter 403, F.S.
[Rule 62-4.160, F.A.C.]

1.4 Applicable Regulations: This facility is subject to regulation of Florida Administrative Code (F.A.C.) Rules 62-4, and 62-204 through 62-297. Issuance of this permit does not relieve the facility owner or operator from compliance with any other applicable federal, state or local permitting requirements or other regulations.

1.5 Other Permits: This air pollution permit does not preclude the owner or operator from obtaining any other types of required permits, licenses or certifications from this Department or other departments or agencies.

1.6 Operation Permit Required: This permit authorizes construction and/or installation of the permitted emissions units and initial operation to determine compliance with Department rules. **An operation permit is required for regular operation of the permitted emissions units.** The owner or operator shall **apply for and receive** an operation permit prior to expiration of this permit. An application for an operation permit shall be submitted to the Department of Environmental Protection, Southeast District Office, Air Program. To apply for an operation permit, the applicant shall submit the appropriate application fee and, in quadruplicate, the appropriate application form, a certification that construction was completed with a notation of any deviations from the conditions in the construction permit, compliance test results, and such additional information as the Department may by law require.
[Rules 62-4.030, 62-4.050, 62-4.220, and 62-210.300, F.A.C.]

DRAFT

1.7 Extension of This Permit: The expiration date of this construction permit may be extended upon request of the owner or operator and submission of the appropriate fee to the Department of Environmental Protection, Southeast District Office, Air Program **at least 60 days prior** to the expiration date of this permit.
[Rules 62-4.050, 62-4.080, and 62-4.220, F.A.C.]

1.8 The permit also constitutes:

a. Determination of Best Available Control Technology (BACT is NOT required)
b. Determination of Prevention of Significant Deterioration (PSD does NOT apply); and
c. Compliance with New Source Performance Standards (NSPS does apply).

[Rule 62-4.160, F.A.C.]

2.0 General Pollutant Emissions Limiting Standards

2.1 Objectionable Odor Prohibited: No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor.

{Permitting note: Objectionable odor is defined as any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance}.
[Rule 62-296.320(2), F.A.C.]

2.2 General Visible Emissions Standard: Unless otherwise specified by permit or rule, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than 20 percent opacity.
[Rule 62-296.320(4)(b), F.A.C.]

2.3 Volatile Organic Compounds/Organic Solvents Emissions: No person shall store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emissions control devices or systems deemed necessary and ordered by the Department.

Such controls include the following:

a. Tightly cover or close all VOC containers when they are not in use.
b. Tightly cover all open tanks that contain VOCs when they are not in use.
c. Maintain all pipes, valves, fittings, etc., which handle VOCs in good operating condition.
d. Confine rags used with VOCs to tightly closed, fireproof containers when not in use.
e. Immediately confine and clean up VOC spills and make sure wastes are placed in closed containers for reuse, recycling or proper disposal.

[Rule 62-296.320(1), F.A.C.]

2.4 Unconfined Emissions of Particulate Matter: No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions.

Reasonable precautions include the following:

a. Paving and maintenance of roads, parking areas and yards.
b. Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
c. Application of asphalt, water, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
d. Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
e. Landscaping or planting of vegetation.
f. Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.

g. Confining abrasive blasting where possible.

h. Enclosure or covering of conveyor systems.
i. Substitution of powdery materials with granular or pelletized materials, where possible.
j. Posting and enforcing a speed limit of ^ miles per hour for vehicles traveling on roadways on site.
[Rule 62-296.320(4)(c), F.A.C.]

3.0 Operation Requirements

3.1 Circumvention: No person shall circumvent any air pollution control device, or allow the emissions of air pollutants without the applicable air pollution control device operating properly.
[Rule 62-210.650, F.A.C.]

3.2 Excess Emissions: Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted providing best operational practices to minimize emissions are adhered to, and the duration of excess emissions shall be minimized but in no case exceeds two hours in any 24 hour period unless specifically authorized by the Department for longer duration.
[Rule 62-210.700(1), F.A.C.]

3.3 Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited.
[Rule 62-210.700(4), F.A.C.]

4.0 Compliance Testing Requirements

4.1 Test Notification: Unless otherwise specified in this permit, the Department of Environmental Protection, Southeast District Office, Air Program shall be notified in writing of expected compliance test dates at least fifteen (15) days prior to compliance testing. The notification shall include the following information: the date, time, and location of each test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner.
[Rule 62-297.310(7)(a), F.A.C.]

4.2 Testing at Capacity: Compliance testing shall be conducted with the emissions units operating at the permitted capacity (90 to 100% of the maximum permitted operation rate of the emissions units). If an emissions unit is not tested at permitted capacity, the emissions unit shall not be operated above 110% of the test load until a new test showing compliance is conducted. Operation of the emissions unit above 110% of the test load is allowed for no more than 15 days for the purpose of conducting additional compliance testing to regain the authority to operate at the permitted capacity.
[Rule 62-297.310(2), F.A.C.]

4.3 Special Compliance Tests: When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emissions standard in Rules 62-204 through 62-297 or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.
[Rule 62-297.310(7)(b), F.A.C.]

5.0 Reporting and Record Keeping Requirements

5.1 Report Excess Emissions: In case of excess emissions resulting from malfunctions, each owner or operator shall notify the Department in accordance with Rule 62-4.130, F.A.C. (condition 5.2 below). A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department.
[Rule 62-210.700(6), F.A.C.]

5.2 Report Operation Problems: If the owner or operator is temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by hazard of fire, wind or by other cause, the owner or

operator shall immediately notify the Department. Notification shall include pertinent information as to the cause of the problem, and what steps are being taken to correct the problem and to prevent its recurrence, and where

5.3. applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the owner or operator from any liability for failure to comply with Department rules.
[Rule 62-4.130, F.A.C.]

5.4 Recordkeeping: All records required by this permit shall be kept by the owner or operator and made available for Department inspection for a minimum of five (5) years from the date of such records.
[Rule 62-4.070(3), F.A.C.]

5.5 Compliance Test Reports: Compliance test reports shall be submitted to the Department of Environmental Protection, Southeast District Office, Air Compliance Section, as soon as practical, but no later than 45 days after the last sampling run of each test is completed.

Test reports shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. Test reports, other than for an EPA or DEP Method 9 test, shall include the following information and other information as necessary to make a complete report required pursuant to Rule 297.310(8)(c), F.A.C.:

a. The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.
b. The means, raw data and computations used to determine the amount of fuels used and materials processed, if necessary to determine compliance with an applicable emissions limiting standard.
c. The type of air pollution control devices installed on the emissions unit, their general condition, their normal operating parameters (pressure drops, total operating current and GPM scrubber water), and their operating parameters during each test run.
d. All measured and calculated data required to be determined by each applicable test procedure for each run.
e. The detailed calculations for one run that relate the collected data to the calculated emissions rate.
f. The applicable emissions standard, and the resulting maximum allowable emissions rate for the emissions unit, plus the test result in the same form and unit of measure.

[Rules 62-297.310(8)(a) &(b), F.A.C.]

5.6 Annual Report Required: On or before March 1 of each calendar year, a completed DEP Form 62-210.900(5), Annual Operating Report (AOR) Form for Air Pollutant Emitting Facility, shall be submitted to the Department of Environmental Protection, Southeast District Office, Air Program. **Included with this report shall be additional reports, if any, required by this permit in Part III -- Emissions Unit Specific Conditions.**
[Rule 62-210.370(3), F.A.C.]

DRAFT

PART III A -- EMISSIONS UNIT SPECIFIC CONDITIONS

This part of this permit addresses the following emissions units:

Emissions Unit Number	Emissions Unit Description
007	28 Emergency Diesel Generators, with less than 600 hp
008	28 Emergency Diesel Generators with more than 600 hp

The following specific conditions apply to the emissions units listed above:

Essential Potential to Emit (PTE) Parameters

A.1 Permitted Capacity. The combined power output from all Diesel Generators shall not exceed 4,142,490 Kw-hr in any given consecutive 12-month period.
[Rule 62-210.200(PTE), F.A.C., and Requested by Applicant]

A.2 Nitrogen Oxide (NOx) Emissions: This condition will limit NOx emissions from these units to less than 86 tons per year. This restriction is based on the AP-42 Emissions Factor of 18.8 gm/Kw-hr and if the Emissions Factor is revised by the EPA then the Kw-hr restriction shall be modified accordingly.
[Rule 62-4070(3), F.A.C., and Requested by Applicant]

Record Keeping and Reporting Requirements

A.3 The Permittee shall record and maintain records for each Diesel Generator of the hours of operation, including operation for repairs or maintenance on a monthly basis.
[Rule 62-204.070(3), F.A.C. and Requested by Applicant]

A.4 Compliance with Kilowatts Hours (Kw-hrs) Limit: Kw-hrs shall be determined based on rating and the hours of operation of each generator. From the monthly records of hours of operation, and Kw-hr rating of each emergency generator, the Permittee shall record and maintain a rolling 12-month cumulative hours of operation, and 12-month rolling total calculated Kw-hrs for all generators. This record keeping shall be done no later than 14th of the following month.

A.5 The 12-month rolling records shall be used to demonstrate compliance with the limitation in specific condition A.1.
[Rule 62-4.070(3), F.A.C.]

A.6 Reports: Attached to the annual operation report shall be the following records that were recorded in the prior calendar year. This report shall be submitted to the Department on or before March 1 of each calendar year.

- The highest 12-month consecutive total Kw-hrs calculated, and the total hours of operation.

All records required under this section shall be maintained by the Permittee for a period of five years following the date of such record.
[Rules 62-210.370(3), and 62-4.070(3), F.A.C.]

DRAFT

PART III B -- EMISSIONS UNIT SPECIFIC CONDITIONS

This part of this permit addresses the following emissions units:

Emissions Unit Number	Emissions Unit Description
004	6 Internal Floating Roof Tanks (Tanks No. 13, 14, 15, 16, 17 and 18)
005	8 Vertical Fixed Roof Tanks. (Tanks No. 3, 5, 7, 8, 9, 24, 25 and 26)
010	Chemical Usage
018	Loading Rack

{Tanks No. 24, 25 and 26 were installed after July 23, 1984; however they are not subject to 40 CFR Subpart Kb since they store jet kerosene which has maximum vapor pressure of less than 3.5 kilopascal (kPa). None of the fixed and floating roof tanks with Jet Kerosene are subject to VOC control requirements contained in the NSPS Subpart K, Ka or Kb as the vapor pressure of the Jet Kerosene is approximately 0.75 mm Hg at ambient temperature which is significantly below regulatory limits.}

The following specific conditions apply to the emissions units listed above:

Essential Potential to Emit (PTE) Parameters

B.1 Hours of Operation: These emissions units are allowed to operate continuously 8760 hours/year. [Rule 62-210.200(PTE), F.A.C.]

Record Keeping and Reporting Requirements

B.2 Reports: These emissions units shall report total fuel throughput and material (chemicals) usage in the annual operating report. This report shall be submitted to the Department on or before March 1 of each calendar year. [Rule 62-4.070(3), F.A.C.]

Executed in West Palm Beach, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

DRAFT

Jack Long
District Director
Southeast District

Date

JL/LH/md

cc: Raisa Neginsky, SED/DEP e-mail raisa.neginsky@dep.state.fl.us
H. Patrick Wong, Chief, Miami-Dade DERM e-mail Wongp@miamidade.gov

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

Date Clerk

APPENDIX - A

GENERAL CONDITIONS Pursuant Rule 62-4.160, Florida Administrative Code (F.A.C.):

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 (F.S.) 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 403.987(6) and 403.722(5), F.S., 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 this permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and 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.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and 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 reasonable times, 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 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 noncompliance; and

   b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. 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 403.111 and 403.73, F.S. 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. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.

11. This permit is transferable only upon Department approval in accordance with Rules 62-4. 120 and 62-730. 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 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:
        (1) The date, exact place, and time of sampling or measurements;
        (2) The person responsible for performing the sampling or measurements;
        (3) The dates analyses were performed;
        (4) The person responsible for performing the analyses;
        (5) The analytical techniques or methods used;
        (6) 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 the 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 Authority 403. 061, 403. 087, 403. 088 FS. Law Implemented 403. 061, 403. 087, 403. 088 FS. History – New 8-31-88, Amended 10-4-89, 7-11-93, Formerly 17-4. 160.

Appendix - B

MIAMI-DADE AVIATION DEPARTMENT NEW EMERGENCY GENERATOR LIST

Generator Location			Generator Information						Engine Information					Tank Information			
No.	Location Name	Location Address	Manufacturer	Model #	Serial #	Gas Type	kW rating	Mfg. Date	Manufacturer	Model #	Serial #	Fuel Type	Mfg. Date	FDEP Tank ID #	UST / AST	Fuel Type	Gallons
229	Bldg. 3030 CUTE	Outside western wall of Bldg. 3030	Detroit Diesel	250DS	395965	Diesel	260	Unknown*				Diesel		NA	AST	Diesel	500
234	Chiller Plant - Room 214	Between airport terminal & garage	Katolight Corp	D750FRX4		Diesel	750	Est. 2006	Katolight Corp.	R1237K36	WA535053 89678-0603	Diesel		13-9602075	AST	Diesel	10,000
234	Chiller Plant - Room 207	Between airport terminal & garage	Detroit Diesel	450DS	610162	Diesel	470					Diesel					
239	New GAC Building	3550 NW 57th Ave.	Detroit Diesel	4S7/GM 8.1 L	2095660	Natural Gas	81	April-06	Detroit Diesel	80GSG	2095660	Natural Gas	April-06	NA	NA	NA	NA
240	New Repump # 2	4251 NW 20th St.	Kohler	500RE0ZV/5M4027	2016802	Diesel	505	Oct-04	Volvo Penta	TAD1631GE	2160051922	Diesel	Oct-04	13-9807859	AST	Diesel	2,000
241	USDA	6300 NW 63rd Ave.	Cummins	GTA50G1	25278883	Natural Gas	750	July-02	Katolight Corp.	GTA50G1	WA530667 82460-0802	Natural Gas	Aug-02	NA	NA	NA	NA
244	MIA Tunnel Trailer	MIA Airside (W of Gate E-21)	Katolight Corp./Marathon Electric	361PSL1601	LM370305-0402	Diesel	45	Apr-02	Katolight Corp./John Deere	4.5 L	PE4045T188616	Diesel	Apr-02	NA	AST	Diesel	500
245	MIA Vehicle Gas Station	NW 20th St.	Katolight Corp.	L45FRG4 - 5.7 L	LM64627079661-0602	Natural Gas	45	Jun-02				Natural Gas	Jun-02	NA	NA	NA	NA