



Department of Environmental Protection

FILE

Lawton Chiles
Governor

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416

Virginia B. Wetherell
Secretary

JUN 29 1998

NOTICE OF AIR POLLUTION PERMIT

CERTIFIED MAIL

ISSUED TO:

Metro-Dade Aviation Department
Miami International Airport
P.O. Box: 592075
Miami, FL 33159

Permit Number: 0250393-004-AF
Issue Date: JUN 29 1998
Expiration Date: FEB 06 2002

Authorized Representative:

Mr. Pedro Hernandez, P.E.
Manager, Environmental Engineering

PROJECT:

Project: Extension of the Existing FESOP.
Facility Description: An Airport (SIC # 4581)
Location: Dade County, Florida
Lat./Long.: 25°47'30" N / 80°15'50" W
UTM: Zone 17; 573.25 Km. E; 2852.55 Km. N

Dear Mr. Hernandez:

This is Permit Number 0250393-004-AF to construct an air pollution source issued pursuant to Chapter 403.087, Florida Statutes (F.S.) and F.A.C. Rule 62-210.300(2)(b). This permit has been issued to incorporate changes requested by the applicant and to extend the previously issued Federally Enforceable State operation permit.

NOTICE OF RIGHTS:

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 Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, 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.

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 – Emission Unit Specific Conditions
- Appendix A – General Conditions
- Appendix B – Summary Sheet of all Fixed Roof Tanks at the Facility
- Appendix C – Compliance determination calculations sheet for Emergency Generators
- Appendix S – Permit Summary Tables

OPERATE: This permit addresses the following air pollution emission units:

Emissions Unit Number	Emissions Unit Description
001	CLEAN AIR MODEL CA2500 INCINERATOR #1, (2500 LB/HR)
003	CLEAN AIR MODEL CA2500 INCINERATOR #2, (2500 LB/HR)
004	Nine (9) Internal Floating Roof Tanks [8 tanks of total capacity 186,800 bbl of Jet A fuel and 1 tank of capacity 5000 bbl of AV gas]
005	Eight (8) Vertical Fixed Roof Tanks [AV gas of total capacity 150,600 bbl]
007	32 Emergency Diesel Generators less than 600 HP
008	15 Emergency Diesel Generators greater than 600 HP
009	11 Degreaser Units
010	Chemical Usage
011	Painting Operations

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:

Exempt Activity Description	
012	Forty (40) Horizontal Fixed Roof Tanks [Diesel fuel of total capacity 143,420 gal]
013	Three Vertical Fixed Roof Tanks [Diesel and Vehicle fuel gas of total capacity 30,000 gal]
014	Sand Blasting operations
015	Welding operations
016	Wood Working Operations

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

SIGNIFICANT DATES:

Application Received: April 13, 1998

PERMIT HISTORY:

- Permit No. 0250393-001-AF issued February 07, 1997.
- Permit No. AO 13-199202 issued July 26 1991.
- Permit No. AC 13-272642 issued November 17 1995.

This permit extends the previously issued permit 0250393-001-AF.

PART II -- FACILITY-WIDE SPECIFIC CONDITIONS

Conditions in this part generally apply to all emission 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 PO Box 15425, West Palm Beach, Florida, 33416 (street address 400 North Congress Avenue, West Palm Beach, Florida, 33401, phone 561-681-6600). In addition, copies shall be submitted to Dade County Department of Environmental Resources Management, Air Section.
- 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. [F.A.C. Rule 62-4.160]
- 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 Renewal of This Permit Required: An application for renewal of this operation permit must be submitted to the Department of Environmental Protection, Southeast District Office, Air Program at least 60 days prior to the expiration date of this permit. To apply for an operation permit, the applicant shall submit the appropriate application form in quadruplicate, the appropriate application fee, all required compliance test results, and such additional information as the Department may by law require. [F.A.C. Rule 62-4.030, 62-4.050, and 62-4.220]

Note that public notice may be required again at the time of renewal or revision of this permit if the facility or permit is materially changed from that described by this permit. [F.A.C. Rule 62-210.350(4)(a)]

2.0 General Pollutant Emission 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. [F.A.C. Rule 62-296.320(2)]
- 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. [F.A.C. Rule 62-296.320(4)(b)]
- 2.3 Volatile Organic Compounds/Organic Solvents Emissions: [F.A.C. Rule 62-296.320(1)]

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 emission control devices or systems deemed necessary and ordered by the Department.

Such controls include the following:

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

2.4 Unconfined Emissions of Particulate Matter: [F.A.C. Rule 62-296.320(4)(c)]

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:

- Paving and maintenance of roads, parking areas and yards.
- 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.
- Landscaping or planting of vegetation.

3.0 **Operation Requirements**

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

3.2 Excess Emissions: [F.A.C. Rule 62-210.700]

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.

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.

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. [F.A.C. Rule 62-297.310(7)(a)]

- 4.2 **Testing at Capacity:** Compliance testing shall be conducted with the emission units operating at the permitted capacity (90 to 100% of the maximum permitted operation rate of the emission units). If an emissions unit is not tested at permitted capacity, the emission 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. [F.A.C. Rule 62-297.310(2)]
- 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 emission 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. [F.A.C. Rule 62-297.310(7)(b)]
- 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. [F.A.C. Rule 62-210.700(6)]
- 5.2 **Report Plant 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 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. [F.A.C. Rule 62-4.130]
- 5.3 **Retain Records:** 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. [F.A.C. Rule 62-4.070(3)]
- 5.4 **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. [F.A.C. Rule 62-297.310(8)(a) &(b)]

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 F.A.C. Rule 297.310(8)(c):

- 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.
- 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 emission limiting standard.
- 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.

- All measured and calculated data required to be determined by each applicable test procedure for each run.
- The detailed calculations for one run that relate the collected data to the calculated emission rate.
- The applicable emission standard, and the resulting maximum allowable emission rate for the emissions unit, plus the test result in the same form and unit of measure.

5.5 **Annual Report Required:** On or before March 1 of each calendar year, a completed DEP Form 62-210.900(5), Annual Operations 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 any additional reports, if any, required by this permit in Part III – Emission Unit Specific Conditions.** [F.A.C. Rule 62-4.070(3)]

PART III A -- EMISSION UNIT SPECIFIC CONDITIONS

This part of this permit addresses the following emission units:

Emissions Unit Number	Emissions Unit Description
001	CLEAN AIR MODEL CA2500 INCINERATOR #1, (2500 LB/HR)
003	CLEAN AIR MODEL CA2500 INCINERATOR #2, 2500 LB/HR

EPA Rulemaking for these Incinerators

The subpart Cb now apply only to MWC units greater than 250 tons per day capacity. Units less than or equal to 250 tons per day will be addressed in a separate rulemaking. These incinerators shall be subject to the new rules after EPA promulgates rulemaking for this type of incinerators

A.1 Emission Limiting Standards and Operation Restrictions

A.1.1 Visible Emissions: Visible emissions shall not exceed 5 percent opacity except for one 3 minute period per hour during which visible emissions shall not exceed 20 percent opacity. [F.A.C. Rule 62-296.401(1)(a)]

A.2 Compliance Monitoring and Testing Requirements

A.2.1 Visible Emission Test Required: The owner or operator shall test the referenced emission unit(s) for visible emissions by EPA Method 9. Visible emission tests shall be sixty minutes in duration. [F.A.C. Rule 62-297.310(4)(a)]

A.2.2 Test Frequency: The owner or operator shall conduct such compliance tests required in this part annually on or before July 31 of each year. [F.A.C. Rule 62-4.070(3)]

A.2.3 Test Reports: The compliance test report shall be submitted to the Department in accordance with F.A.C. Rule 62-297.310(8).

Subsection III.B. This section addresses the following emissions unit(s).

Emissions Unit Number	Emissions Unit Description
007	32 Emergency Diesel Generators less than 600 HP
008	15 Emergency Diesel Generators greater than 600 HP

The following specific conditions apply to the emissions unit(s) listed above:

B.1 Essential Potential to Emit (PTE) Parameters

B.1.1 Permitted Capacity. The power output from all Diesel Generators shall not exceed 1,934,200 KW-hr in any given consecutive 12 month period. [Permittee Request, and 62-210.200(PTE), F.A.C.]

[Permitting Note: This condition will limit NOx emissions from these units to 40 tons per year. This restriction is based on the AP-42 Emission Factor of 18.8 gm/KW-Hr, and if the Emission Factor is revised by the EPA then the KW-Hr restriction shall be modified accordingly. The KW-Hr Calculation sheet is shown in Appendix "C"]

B.2 Record Keeping and Reporting Requirements

B.2.1 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. This record keeping shall be done no later than 14th of following month.

Compliance with KW-Hr limit 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-Hr for all generators.

The rolling 12-month rolling records shall be used to demonstrate compliance with the limitation in specific condition B.1.1.

[Permittee Request, F.A.C. Rule 62-4.070]

B.2.2 Annual Operating Report: Attached to this report shall be a statement indicating the following records that were recorded in the previous 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 12-month 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.

[F.A.C. Rule 62-210.370(3), F.A.C. Rule 62-4.070]

Subsection III.C. This section addresses the following emissions unit(s).

Emissions Unit Number	Emissions Unit Description
004	Nine (9) Internal Floating Roof Tanks
005	Eight (8) Vertical Fixed Roof Tanks [AV gas of total capacity 150,600 bbl]
009	11 Degreaser Units
010	Chemical Usage
011	Painting Operations

The following specific conditions apply to the emissions unit(s) listed above:

C.1 Essential Potential to Emit (PTE) Parameters

C.1.1 This emissions unit is allowed to operate continuously, i.e., 8,760 hours/year.
[Rule 62-210.200(PTE), F.A.C.]

C.2 Emission Limitations and Standards

C.2.1 These emission units shall not discharge air pollutants which cause or contribute to an objectionable odor. [F.A.C. Rule 62-296.320(2)]

C.3 Record Keeping and Reporting Requirements

C.3.1 Annual Operating Report: These emission units shall report total fuel throughput and material (paints and chemicals) usage in the annual operating report. This report shall be submitted to the Department on or before March 1 of each calendar year. [F.A.C. Rule 62-4.070]

Executed in West Palm Beach, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

J. Goldman 6/29/98
Isidore Goldman, P.E. Date
District Air Program Administrator
Southeast District

IG/lt

cc: Clair Fancy, P.E., Chief, Bureau of Air Regulation, DEP
Doug Neeley, Chief, Air Programs Branch, U.S. EPA, Region IV (Attn.: Gracie Danois)
Ewart Anderson, P.E., DERM
Tom Tittle, Compliance and Enforcement, SED

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.

Linda C. Branan
Clerk

6/29/98
Date

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes (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 403.087(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 the permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment 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.
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 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 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 the permit, the permittee shall immediately notify and provide the Department with the following information:
 - (a) A description of and cause of noncompliance; and

GENERAL CONDITIONS CONTINUED:

- (b) The period of noncompliance, including exact 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.
 11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-30.300, Florida Administrative Code (F.A.C.), as applicable. The permittee shall be liable for any noncompliance 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:
 - the date, exact place, and time of sampling or measurements;
 - the person responsible for performing the sampling or measurements;
 - the date(s) 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 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 submitted or corrected promptly.

**Composite Summary Sheet of Storage Capacity of All Fixed Roof Tanks at
Metro Dade Aviation Department Facility**

Tank N^o	Type of Tank	Storage Volume of Tank	Fuel Type
3	AST Vertical - Fixed Roof	15,000 bbl	Jet A
5	AST Vertical - Fixed Roof	15,000 bbl	Jet A
7	AST Vertical - Fixed Roof	35,000 bbl	Jet A
8	AST Vertical - Fixed Roof	25,800 bbl	Jet A
9	AST Vertical - Fixed Roof	25,800 bbl	Jet A
10	AST Vertical - Fixed Roof	10,000 bbl	Jet A
11	AST Vertical - Fixed Roof	12,000 bbl	Jet A
12	AST Vertical - Fixed Roof	12,000 bbl	Jet A
Avgas-1	AST Internal Floater - Fixed Roof	5,000 bbl	Jet A
13	AST Internal Floater - Fixed Roof	27,500 bbl	Jet A
14	AST Internal Floater - Fixed Roof	27,500 bbl	Jet A
15	AST Internal Floater - Fixed Roof	20,000 bbl	Jet A
16	AST Internal Floater - Fixed Roof	20,000 bbl	Jet A
17	AST Internal Floater - Fixed Roof	20,000 bbl	Jet A
18	AST Internal Floater - Fixed Roof	20,000 bbl	Jet A
19	AST - N/A	6,000 bbl	Not in Service
20	AST - N/A	6,000 bbl	Not in Service
21	AST Internal Floater - Fixed Roof	15,000 bbl	Jet A
22	AST Internal Floater - Fixed Roof	35,000 bbl	Not in Service
23	AST Internal Floater - Fixed Roof	36,800 bbl	Jet A
Location A	AST Vertical - Fixed Roof	10,000 gal.	Vehicle Fueling - MO Gas
Location A	AST Vertical - Fixed Roof	10,000 gal.	Vehicle Fueling - MO Gas
Location A	AST Vertical - Fixed Roof	10,000 gal.	Vehicle Fueling - #2D Diesel Fuel
Location O	UST Horizontal - Fixed Roof	4,000 gal.	Vehicle Fueling - #2D Diesel Fuel
Location O	UST Horizontal - Fixed Roof	12,000 gal.	Vehicle Fueling - MO Gas
Location O	UST Horizontal - Fixed Roof	12,000 gal.	Vehicle Fueling - MO Gas
Location O	UST Horizontal - Fixed Roof	12,000 gal.	Vehicle Fueling - MO Gas
Fuel Field Tank	AST Horizontal - Fixed Roof	400 gal.	Generator Fuel - #2D
Remote "E" Satellite	AST Horizontal - Fixed Roof	100 gal.	Generator Fuel - #2D
S.E. Gate	AST Horizontal - Fixed Roof	90 gal.	Generator Fuel - #2D
N.E. Gate	AST Horizontal - Fixed Roof	90 gal.	Generator Fuel - #2D
North Gate	AST Horizontal - Fixed Roof	90 gal.	Generator Fuel - #2D
Tunnel Gate	AST Horizontal - Fixed Roof	90 gal.	Generator Fuel - #2D
Building 3025	AST Horizontal - Fixed Roof	55 gal.	Generator Fuel - #2D
N.W. Gate	AST Horizontal - Fixed Roof	105 gal.	Generator Fuel - #2D
New Parking Garage #2	AST Horizontal - Fixed Roof	1,000 gal.	Generator Fuel - #2D
New Concourse "A"	AST Horizontal - Fixed Roof	4,000 gal.	Generator Fuel - #2D
Pan Am	UST Horizontal - Fixed Roof	4,000 gal.	Generator Fuel - #2D
Eastern Building #5	UST Horizontal - Fixed Roof	15,000 gal.	Generator Fuel - #2D
T.E.N. - large	UST Horizontal - Fixed Roof	2,400 gal.	Generator Fuel - #2D
T.E.N. - small	UST Horizontal - Fixed Roof	1,000 gal.	Generator Fuel - #2D
Concourse "F" - Fill	UST Horizontal - Fixed Roof	6,000 gal.	Generator Fuel - #2D
F.I.S.	UST Horizontal - Fixed Roof	6,000 gal.	Generator Fuel - #2D
Concourse "D"	UST Horizontal - Fixed Roof	2,000 gal.	Generator Fuel - #2D

Note: One "bbl" equals 42 gallons

ATTACHMENT

APPEND B

Composite Summary Sheet of Storage Capacity of All Fixed Roof Tanks at
Metro Dade Aviation Department Facility

Tank No	Type of Tank	Storage Volume of Tank	Fuel Type
F to G Wrap	UST Horizontal - Fixed Roof	5,000 gal.	Generator Fuel - #2D
Parking Garage #4	UST Horizontal - Fixed Roof	2,500 gal.	Generator Fuel - #2D
Building #100	UST Horizontal - Fixed Roof	3,000 gal.	Generator Fuel - #2D
Building "E" Satellite	UST Horizontal - Fixed Roof	6,000 gal.	Generator Fuel - #2D
Concourse "E"-E4	UST Horizontal - Fixed Roof	2,000 gal.	Generator Fuel - #2D
Airfield Lighting - Vault #1	UST Horizontal - Fixed Roof	6,000 gal.	Generator Fuel - #2D
Airfield Lighting - Vault #2	UST Horizontal - Fixed Roof	6,000 gal.	Generator Fuel - #2D
Building #60	UST Horizontal - Fixed Roof	500 gal.	Generator Fuel - #2D
Old Main Breaker Room	UST Horizontal - Fixed Roof	4,000 gal.	Generator Fuel - #2D
Parking Garage #2	UST Horizontal - Fixed Roof	4,000 gal.	Generator Fuel - #2D
Building #33	UST Horizontal - Fixed Roof	8,000 gal.	Generator Fuel - #2D
Building #40	UST Horizontal - Fixed Roof	500 gal.	Generator Fuel - #2D
East Central Chiller Plant	UST Horizontal - Fixed Roof	2,000 gal.	Generator Fuel - #2D
Consumer	UST Horizontal - Fixed Roof	1,000 gal.	Generator Fuel - #2D
New Lift Station 700	UST Horizontal - Fixed Roof	1,200 gal.	Generator Fuel - #2D
Concourse "H"	UST Horizontal - Fixed Roof	500 gal.	Generator Fuel - #2D
Lift Station #12	UST Horizontal - Fixed Roof	550 gal.	Generator Fuel - #2D
New Concourse "A"	UST Horizontal - Fixed Roof	4,000 gal.	Generator Fuel - #2D
Cargo Clearance	UST Horizontal - Fixed Roof	250 gal.	Generator Fuel - #2D
Location O	UST Horizontal - Fixed Roof	4,000 gal.	Generator Fuel - #2D

APPENDIX C
Metro-Dade County Aviation Department
Permit Number 0250393-004-AF

Compliance Determination Calculation Sheet for Emergency Generators

Consecutive 12- Month Record of KW-Hr Calculation

Record For July _____ through June _____

Month	KW-Hr for month/Previous Year	KW-Hr for month/Current Year	12 Month Rolling Total KW-Hr
		Total KW-Hr until June of Previous Year	
July			
August			
Sept			
Oct			
Nov			
Dec			
Jan			
Feb			
Mar			
Apr			
May			
June			
Total			

Certification by Responsible Official

As the designated Responsible Official of this facility, I certify this report to be true, accurate, and complete based upon information and belief formed after reasonable inquiry.

Name: _____

Title: _____

Sign: _____

Date: _____

**Appendix S
Permit Summary Tables**

Miami-Dade County Aviation Department
Permit No.: 0250393-004-AF

Table S-1: Summary of Air Pollutant Emission Standards

This table summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

Emission Unit	Brief Description
001	CLEAN AIR MODEL CA2500 INCINERATOR #1, (2500 LB/HR)
003	CLEAN AIR MODEL CA2500 INCINERATOR #2, (2500 LB/HR)
004	Nine (9) Internal Floating Roof Tanks [8 tanks of total capacity 186,800 bbl of Jet A fuel and 1 tank of capacity 5000 bbl of AV gas]
005	Eight (8) Vertical Fixed Roof Tanks [AV gas of total capacity 150,600 bbl]
007	32 Emergency Diesel Generators less than 600 HP
008	15 Emergency Diesel Generators greater than 600 HP
009	11 Degreaser Units
010	Chemical Usage
011	Painting Operations

Emission Unit	VE	KW-Hr	Regulatory Citation	Permit Condition	Remarks
001 & 003	5% [Except for one 3 minute per hour when opacity is not more than 20%]	N/A	62-296.401(1)(a)	A.1.1	These units are subject Future EPA rulemaking
004 & 005	N/A	N/A	62-296.320(2)	C.2.1	No Objectionable Odor
007 & 008	N/A	1,934,200 in consecutive 12-month period.	Permittee Request	B.1.1	This condition limits NOx emissions from these units to 40 TPY.
009, 010, & 011	N/A	N/A	62-296.320(2)	C.2.1	No Objectionable Odor

Note: N/A = not applicable

**Appendix S
Permit Summary Tables**

Miami-Dade County Aviation Department
Permit No.: 0250393-004-AF

Table S-2: Summary of Compliance Requirements

This table summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

Emission Unit	Pollutant or Parameter	Fuel(s)	Compliance Method	Testing Frequency	Frequency Base Date	Minimum Compliance Test Duration	See Permit Condition(s)
001 & 003	VE	N/A	EPA Method 9	Annually on or Before July 31	28 June 1998	60 minutes	A.2.1, A.2.2
004, 005,009,010 & 011	N/A	N/A	Submit Material usage information with Annual Operating Report	N/A	N/A	N/A	C.3.1
007 & 008	KW-Hr	Diesel	Record Keeping and EPA Emission Factor of 18.8 NOx/KW-hr. Calculate 12 month rolling total of total KW-Hr from all generators. Submit this information (see Appendix "C") with Annual Operating Report	Monthly record keeping by 14th of following month.	N/A	N/A	B.2.1

Note: N/A = not applicable