

MIAMI-DADE COUNTY, FLORIDA

ENVIRONMENTAL RESOURCES MANAGEMENT  
AIR QUALITY MANAGEMENT DIVISION  
33 S.W. 2nd AVENUE  
SUITE 900MIAMI, FLORIDA 33130-1540  
TELEPHONE: (305) 372-6925  
FAX: (305) 372-6964

## NOTICE OF AIR POLLUTION PERMIT

July 23, 2001

CERTIFIED MAIL: 7000 0600 0025 3506 6530  
RETURN RECEIPT REQUESTED:

## ISSUED TO:

Mr. John D. Parker  
President  
Pan American Construction Company  
7600 NW 69 Avenue  
Medley, FL 33166Permit Number: 0250010-004-AO  
Issue Date: July 23, 2001  
Expiration Date: July 22, 2006**PROJECT:** Pan American Construction Company Plant #6 State Air Operating Permit Renewal.**Facility Description:** Asphalt Concrete Plant (SIC# 2951).  
**Location:** 8000 NW 74 Street, Miami, Florida 33166  
**Lat./Long:** 25° 50' 20" N / 80° 19' 36" W  
**UTM:** Zone 17; 567.7 Km. E; 2857.9 Km. N

Dear Mr. Parker:

This is Permit Number 0250010-004-AO to operate an air pollution source issued by the Miami-Dade County Department of Environmental Resources Management (DERM) pursuant to Chapter 24, Code of Miami-Dade County and Chapter 403.087, Florida Statutes (F.S.). This is a state air operating permit authorizing the operation of the emissions units described in this permit.

*The Florida Department of Environmental Protection (FDEP) has permitting jurisdiction under Section 403.087, Florida Statutes (F.S.). However, in accordance with Section 403.182, F.S., the FDEP recognizes the DERM as the approved local air pollution control program of Miami-Dade County. Through a Specific Operating Agreement, the FDEP delegated to the DERM the authority to issue or deny permits for this type of air pollution source located in Miami-Dade County.*

**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 Rule of Appellate Procedure, with the Clerk of the Miami-Dade County Department of Environmental Resources Management, Air Facilities Section at 33 SW 2nd Avenue, Suite 900, Miami, Florida 33130-1540, and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeals. The Notice of Appeal must be filed within 30 days from the date this Order is filed with the Clerk of the DERM.

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#### STATEMENT OF BASIS:

This permit is issued under the provisions of Chapter 24, Code of Miami-Dade County, 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 FDEP and the DERM rules. The above named permittee is hereby authorized to operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the DERM and made a part hereof and specifically described in this permit.

#### PERMIT CONTENTS:

Part I -- Summary Information  
Part II -- Facility-Wide Specific Conditions  
Part III -- Emissions Unit Specific Conditions  
Appendix A -- General Conditions  
Appendix B -- Requirements for On-Specification Used Fuel Oil

#### PART I -- SUMMARY INFORMATION

**OPERATE:** This permit addresses the following air pollution emissions unit(s):

Emissions Unit Number	Emissions Unit Description
004	One (1) 300 TPH Drum Mix Asphalt Plant with Baghouse.

#### SIGNIFICANT DATES:

Application Received: May 7, 2001

#### PERMIT HISTORY:

Permit 0250010-001-AO was issued on June 5, 1996  
Permit AO 13-208939 was issued on May 5, 1992  
Permit AC 13-190108 was issued on March 13, 1991

#### PART II -- FACILITY-WIDE SPECIFIC CONDITIONS

##### 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 Miami-Dade County, Department of Environmental Resources Management, Air Facilities Section located at 33 SW 2nd Avenue, Suite 900, Miami, Florida 33130-1540.
- 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.]

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- 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 **Waste Disposal:** The owner or operator shall treat, store, and dispose of all liquid, solid and hazardous wastes in accordance with all applicable Federal, State and Local regulations.
- 1.6 **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 the DERM or other departments or agencies.
- 1.7 **Renewal of This Permit Required:** An application for renewal of this operation permit must be submitted to the DERM, Air Facilities Section 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 triplicate, the appropriate application fee, all required compliance test results, and such additional information as the DERM may by law require.  
[Rule 62-4.030, 62-4.050, and 62-4.220 F.A.C.]
- 1.8 **Recertification:** A request for recertification of this operating permit must be submitted annually to the DERM, Air Facilities Section, on the appropriate form, by May 31, along with the appropriate Miami-Dade County fee.  
[Chapter 24-35.1, Code of Miami-Dade County]

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.  
[Rule 62-210.350(4)(a) 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.  
[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 DERM.

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, fireproof 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.

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

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## 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:

- Paving and maintenance of roads, parking areas and yards.
- Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
- Application of asphalt, water, chemicals, or other dust suppressants to unpaved roads, yards, open stock piles, and similar activities.
- 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.
- Use of hoods, fans, filters, and similar equipment to contain, capture, and/or vent particulate matter.
- Confining abrasive blasting where possible.
- Enclosure or covering of conveyor systems.
- Substitution of powdery materials with granular or pelletized materials, where possible.

[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 exceed two hours in any 24 hour period unless specifically authorized by the DERM 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.

[Rule 62-210.700 F.A.C.]

## 4.0 Compliance Testing Requirements

4.1 Test Notification: Unless otherwise specified in this permit, the DERM, Air Facilities Section shall be notified in writing of expected compliance test dates (when required) 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)9 F.A.C.]

4.2 Testing at Capacity: Compliance testing (when required) 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.]

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4.3 **Special Compliance Tests:** When the DERM, 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 62-207 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 DERM.  
[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 DERM 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 DERM.  
[Rule 62-210.700(6) F.A.C.]

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 DERM. 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 the FDEP and the DERM rules.  
[Rule 62-4.130 F.A.C.]

5.3 **Retain Records:** All records required by this permit shall be kept by the owner or operator and made available for the DERM inspection for a minimum of three (3) years from the date of such records.  
[Rule 62-4.160(14)(b) F.A.C.]

5.4 **Compliance Test Reports:** Compliance test reports (when required) shall be submitted to the DERM, Air Facilities 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 DERM to determine if the test was properly conducted and the test results properly computed. Test reports, other than for an EPA 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 emissions 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 emissions rate.
- 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.

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

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 DERM, Air Facilities Section. Included with this report shall be any additional reports, if any, required by this permit in Part III -- Emissions Unit Specific Conditions.  
[Rule 62-4.070(3) F.A.C.]

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### PART III -- EMISSIONS UNIT SPECIFIC CONDITIONS

This part of this permit addresses the following emissions units:

Emissions Unit Number	Emissions Unit Description
004	<ul style="list-style-type: none"> <li>One (1) 300 TPH Drum Mix Asphalt Plant</li> <li>One (1) CMI Corporation Pulse Jet Baghouse MD# SAF-4848/108</li> </ul>

#### 1.0 Emissions Limiting Standards and Operation Restrictions.

- 1.1 Visible emissions: Visible emissions shall not equal or exceed 20% opacity at any time.  
[Rule 62-210.300(3)(c)1f F.A.C.]
- 1.2 Facility Wide VOC Emissions: Total emissions of volatile organic compounds (VOCs), including hazardous air pollutants "HAPs", shall not equal or exceed 100 tons in any consecutive 12 month period.  
[Rule 62-4.070(3) F.A.C.]
- 1.3 Facility Wide Nitrogen Oxides Emissions: Total emissions of nitrogen oxides shall not equal or exceed 100 tons in any consecutive 12-month period.  
[Rule 62-4.070(3) F.A.C.]
- 1.4 Facility Wide Carbon Monoxide Emissions: Total Emissions of carbon monoxide shall not equal or exceed 100 tons in any consecutive 12 month period.  
[Rule 62-4.070(3) F.A.C.]
- 1.5 Particulate Matter Emissions: Total emissions of particulate matter shall not exceed 0.04 gr/dscf averaged over a three-hour period.  
[Rule 62-210.300(3)(c)1d F.A.C.]
- 1.6 Hours of Operation: The referenced emissions unit(s) may operate 24 hours/day, 7 days/week, 52 weeks/year for a total of 8,760 hours per 12 month period.  
[Rule 62-4.070(3) F.A.C.; Requested by permittee in Air Operating Permit Renewal Application received May 7, 2001]
- 1.7 Good Work Practice Standards: Reasonable precautions to prevent emissions of unconfined particulate matter at this facility shall include good work practice standards facility wide:  
-Application of asphalt, water or chemicals or other dust suppressants to unpaved roads, yards, open stock piles, and similar activities.  
-Enclosure or covering of conveyor systems.  
[Rule 62-296.320(4)(c)2 F.A.C.]
- 1.8 Sulfur Dioxide Emission Standards: No person, firm, corporation or other entity shall cause, let, permit, suffer or allow the emission of sulfur dioxide from any stationary fossil fuel fired combustion source located in Miami Dade County and exceeding 1.1 pounds per million Btu heat input, when liquid fuel is burned.  
[Miami-Dade County Ordinance Chapter 24-17(2)(b)(i)]
- 1.9 Production Rate: Total facility asphalt production rate shall not exceed 300 tons per hour and 500,000 tons in any consecutive 12 month period.  
[Rule 62-4.070(3); Rule 62-210.300(3)(c)1a F.A.C.]

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- 1.10 **Allowable Fuels:** Fuel oil or on-specification used oil fuel shall not exceed 1.0% sulfur content by weight. The used oil fuel shall meet the EPA requirements for on-specification used oil fuel, and the conditions listed in Appendix B of this permit.  
[Rule 62-210.300(3)(c)1c F.A.C.]
- 1.11 **Fuel Oil Consumption:** Fuel oil consumption shall not exceed 1.2 million gallons in any consecutive 12-month period.  
[Rule 62-210.300(3)(c)1b F.A.C.]

## 2.0 Compliance Monitoring and Testing Requirements

- 2.1 **Visible Emissions Test Required:** The owner or operator shall have a formal compliance test conducted annually for visible emissions by EPA Method 9. Visible emissions tests shall be thirty minutes in duration. The visible emissions test shall be performed during one run of the particulate test.  
[Rule 62-4.070(3); Rule 62-297.401(9) F.A.C.]
- 2.2 **Particulate Matter Test Required:** The owner or operator shall have a formal compliance test conducted annually for particulate matter by EPA Method 5 or 5A.  
[Rule 62-4.070(3); Rule 62-297.401(5)&(5A) F.A.C.]
- 2.3 **Sulfur Dioxide Emissions Testing:** The owner or operator shall have a formal compliance test conducted annually for sulfur dioxide emissions using EPA Method 6.  
[Rule 62-4.070(3); Rule 62-297.401(6) F.A.C.]
- 2.4 **Compliance Test:** Compliance testing shall be conducted while burning used oil, if used oil has been burned for a total of more than 400 hours in the prior 12 month period. If testing is conducted without using used oil, then the report shall include hours of operation while using used oil for the prior 12-month period.  
[Rule 62-4.070(3) F.A.C.]

## 3.0 Reporting and Record Keeping Requirements

- 3.1 **Hours of Operation:** The owner or operator shall record and maintain daily records of the hours of operation of the referenced emissions unit(s). This record shall be retained for five years.  
[Rule 62-210.300(3)(c)1g F.A.C.]
- 3.2 **Asphalt Concrete Production:** The owner or operator shall maintain records to document the monthly and 12 month rolling totals of tons of asphaltic concrete produced, and the gallons of fuel oil consumed. These records shall be retained for five years.  
[Rule 62-210.300(3)(c)1g F.A.C.]
- 3.3 **Allowable Fuels:** The owner or operator shall record and maintain records of the types of fuel burned. The owner or operator shall maintain records to demonstrate that each shipment of fuel oil does not exceed 1.0% sulfur by weight, and that the sulfur content was determined by ASTM methods ASTM D4057-88 and ASTM D129-91, ASTM D2622-94 or ASTM D4294-90, adopted and incorporated by reference in Rule 62-297.440(1).  
[Rule 62-210.300(3)(c)1c F.A.C.]

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3.4 Control Equipment: The owner or operator shall visually inspect each emissions unit and associated baghouse daily to ensure that each baghouse is operating properly, and shall record the condition of each baghouse and pressure drop when inspected. The owner or operator shall perform a detailed inspection of each baghouse at least monthly and record the inspection results. Such inspections shall include general conditions of the emissions control equipment and ductwork, condition of the bags and appurtenances, and verification of proper operation of the bag cleaning cycle.  
[Rule 62-4.070(3) F.A.C.]

Executed in Miami-Dade County, Florida.

DEPARTMENT OF ENVIRONMENTAL  
RESOURCES MANAGEMENT

Mallika Muthiah July 23, 2001  
Mallika Muthiah, P.E., Chief Date  
Air Facilities Section  
Air Quality Management Division

MM/mg

Copy: Isidore Goldman, P.E., Florida Department of Environmental Protection, West Palm Beach.  
Pradeep Raval, Consultant, Koogler & Associates, 4014 NW 13 Street, Gainesville, FL 32609

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

Marris 7/23/01  
Clerk Date