



Department of Environmental Protection

Division of Air Resources Management

APPLICATION FOR AIR PERMIT - NON-TITLE V SOURCE

See Instructions for Form No. 62-210.900(3)

I. APPLICATION INFORMATION

Identification of Facility

1. Facility Owner/Company Name: Pan American Construction-APAC Florida	
2. Site Name: Asphalt Plant No. 6	
3. Facility Identification Number: 0250010 (current AO designated No.) <input type="checkbox"/> Unknown	
4. Facility Location: Street Address or Other Locator: 12201 NW 41th Street City: Miami County: Dade Zip Code: 33178	
5. Relocatable Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6. Existing Permitted Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Application Contact

1. Name and Title of Application Contact: Max Lee	
2. Professional Engineer Mailing Address: Organization/Firm: Koogler & Associates Street Address: 4014 NW 13th Street City: Gainesville State: FL Zip Code: 32609	
3. Professional Engineer Telephone Numbers: Telephone: (352) 377-5822 Fax: (325) 377-7158	

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	<i>10/25/01</i>
2. Permit Number:	<i>0250010-005-AC</i> <i>(Becomes 7770010-005-AC)</i>

Purpose of Application

Air Operation Permit Application

This Application for Air Permit is submitted to obtain: (Check one)

- Initial non-Title V air operation permit for one or more existing, but previously unpermitted, emissions units.
- Initial non-Title V air operation permit for one or more newly constructed or modified emissions units.

Current construction permit number: _____

- Non-Title V air operation permit revision to address one or more newly constructed or modified emissions units.

Current construction permit number: _____

Operation permit number to be revised: _____

- Initial non-Title V air operation permit under Rule 62-210.300(2)(b), F.A.C., for an existing facility seeking classification as a synthetic non-Title V source.

Current operation/construction permit number(s):

- Non-Title V air operation permit revision for a synthetic non-Title V source. Give reason for revision; e.g., to address one or more newly constructed or modified emissions units.

Operation permit number to be revised: _____

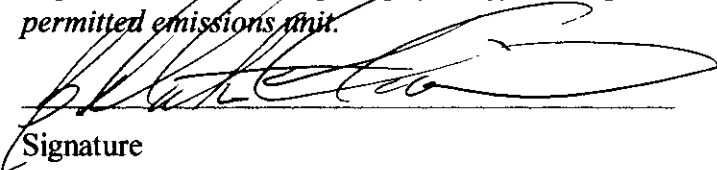
Reason for revision: _____

Air Construction Permit Application

This Application for Air Permit is submitted to obtain: (Check one)

- Air construction permit to construct or modify one or more emissions units.
- Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.
- Air construction permit for one or more existing, but unpermitted, emissions units.

Owner/Authorized Representative

1. Name and Title of Owner/Authorized Representative: B. Morton Myrick, Vice-President
2. Owner/Authorized Representative Mailing Address: Organization/Firm: Pan American Construction-APAC Florida Street Address: 7600 NW 69 Avenue City: Medley State: FL Zip Code: 33166
3. Owner/Authorized Representative Telephone Numbers: Telephone: (305)883-8770 Fax: (305)883-6606
4. Owner/Authorized Representative Statement: <i>I, the undersigned, am the owner or authorized representative* of the facility addressed in this application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. I understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions unit.</i>  Signature _____ Date <u>10/22/01</u>

* Attach letter of authorization if not currently on file.

Professional Engineer Certification

1. Professional Engineer Name: Steven C. Cullen, P.E. Registration Number: 45188
2. Professional Engineer Mailing Address: Organization/Firm: Koogler & Associates Street Address: 4014 NW 13th Street City: Gainesville State: FL Zip Code: 32609
3. Professional Engineer Telephone Numbers: Telephone: (352) 377-5822 Fax: (325)377-7158

4. Professional Engineer Statement:

I, the undersigned, hereby certify, except as particularly noted herein, that:*

(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this Application for Air Permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and

(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.

If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [X], if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.

If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here [], if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.



Signature

10/22/01

Date

(seal)

* Attach any exception to certification statement.

Construction/Modification Information

1. Description of Proposed Project or Alterations:

Applicant requests that the facility be permitted as a statewide relocatable facility.

2. Projected or Actual Date of Commencement of Construction: **N/A**

3. Projected Date of Completion of Construction: **N/A**

Application Comment

Application fee: Nox > 5, less than 25 tpy = \$1000

Request is made for Dade County at this time.

Facility Regulatory Classifications

Check all that apply:

1. <input type="checkbox"/> Small Business Stationary Source?	<input checked="" type="checkbox"/> Unknown
2. <input checked="" type="checkbox"/> Synthetic Non-Title V Source?	
3. <input checked="" type="checkbox"/> Synthetic Minor Source of Pollutants Other than HAPs?	
4. <input type="checkbox"/> Synthetic Minor Source of HAPs?	
5. <input checked="" type="checkbox"/> One or More Emissions Units Subject to NSPS?	
6. <input type="checkbox"/> One or More Emission Units Subject to NESHAP Recordkeeping or Reporting?	
7. Facility Regulatory Classifications Comment (limit to 200 characters):	

Rule Applicability Analysis

<p><u>Florida Administrative Code (F.A.C.):</u></p> <p>62-4 through 62-297</p> <p><u>40 CFR 60, NSPS, Subpart I</u></p> <p>Standards of performance for asphalt plants</p>

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

<p>1. Type of Emissions Unit Addressed in This Section: (Check one)</p> <p><input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.</p>		
<p>2. Description of Emissions Unit Addressed in This Section (limit to 60 characters):</p> <p>300 TPH Drum Mix Asphalt Plant with Baghouse</p>		
<p>3. Emissions Unit Identification Number: <input type="checkbox"/> No ID</p> <p>ID: 004</p>		
<p>4. Emissions Unit Status</p> <p>Code: A</p>	<p>5. Initial Startup Date: N/A</p>	<p>6. Emissions Unit Major Group SIC Code: 29</p>
<p>7. Emissions Unit Comment: (Limit to 500 Characters)</p> <p>This emission unit consists of a drum mix asphalt concrete plant. Particulate matter emissions are controlled by a baghouse.</p> <p>Plant is permitted to use fuel oil or on-spec used oil.</p>		

Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method): Fabric Filter – High Temperature (T> 250 °F)
2. Control Device or Method Code(s): 016

Emissions Unit Details

1. Package Unit: Manufacturer:	Model Number:
2. Generator Nameplate Rating:	MW
3. Incinerator Information: Dwell Temperature:	°F
Dwell Time:	seconds
Incinerator Afterburner Temperature:	°F

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate:	120	mmBtu/hr
2. Maximum Incineration Rate:	lb/hr	tons/day
3. Maximum Process or Throughput Rate:		
4. Maximum Production Rate:	300 TPH and 500,000 TPY	
5. Requested Maximum Operating Schedule:	24 hours/day	7 days/week
	52 weeks/year	8760 hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters):		

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? Stack		2. Emission Point Type Code: 1	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): department has on file			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/A			
5. Discharge Type Code: V	6. Stack Height: 31 feet	7. Exit Diameter: 5.6 feet	
8. Exit Temperature: 300 °F	9. Actual Volumetric Flow Rate: 70,000 acfm	10. Water Vapor: 25 %	
11. Maximum Dry Standard Flow Rate: 40,000 dscfm		12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates: Zone: East (km): North (km):			
14. Emission Point Comment (limit to 200 characters):			

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 4

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Mineral Products: Asphaltic Concrete: Drum Dryer: Hot Asphalt Plants		
2. Source Classification Code (SCC): 3-05-002-05		3. SCC Units: Tons Produced
4. Maximum Hourly Rate: 300	5. Maximum Annual Rate: 500,000	6. Estimated Annual Activity Factor: NA
7. Maximum % Sulfur: NA	8. Maximum % Ash: NA	9. Million Btu per SCC Unit: NA
10. Segment Comment (limit to 200 characters): Annual production is limited to 500,000 tons in accordance with Rule 62-210.300(3)(c).		

Segment Description and Rate: Segment 2 of 4

1. Segment Description (Process/Fuel Type) (limit to 500 characters): In-process fuel use: distillate oil: Asphalt Dryer [No. 2 fuel oil as fuel for drum mix asphalt plant]		
2. Source Classification Code (SCC): 3-90-005-01		3. SCC Units: Thousand gallons burned (TGB)
4. Maximum Hourly Rate: 0.85	5. Maximum Annual Rate: 1200	6. Estimated Annual Activity Factor: NA
7. Maximum % Sulfur: 0.5	8. Maximum % Ash: NA	9. Million Btu per SCC Unit: 141 mmBtu/TGB
10. Segment Comment (limit to 200 characters): Maximum heat input = 120 mmBtu/hr = 0.4 mmBtu/ton asphalt At 141 mmBtu/TGB = 0.85 TGB/hr Annual fuel oil usage is limited to 1.2 million gallons in accordance with Rule 62-210.300(3)(c).		

Emissions Unit Information Section 1 of 1

Segment Description and Rate: Segment 3 of 4

1. Segment Description (Process/Fuel Type) (limit to 500 characters): In-process fuel use: residual oil: Asphalt Dryer [No. 3, 4, and 5 fuel oil as fuel for drum mix asphalt plant]		
2. Source Classification Code (SCC): 3-90-004-99		3. SCC Units: Thousand gallons burned (TGB)
4. Maximum Hourly Rate: 0.85	5. Maximum Annual Rate: 1200	6. Estimated Annual Activity Factor: NA
7. Maximum % Sulfur: 1.0	8. Maximum % Ash: NA	9. Million Btu per SCC Unit: 142 mmBtu/TGB
10. Segment Comment (limit to 200 characters): Maximum heat input = 120 mmBtu/hr = 0.4 mmBtu/ton asphalt At 142 mmBtu/TGB = 0.85 TGB/hr Annual fuel oil usage is limited to 1.2 million gallons in accordance with Rule 62-210.300(3)(c).		

Segment Description and Rate: Segment 4 of 4

1. Segment Description (Process/Fuel Type) (limit to 500 characters): In-process fuel use: On-spec used oil: Asphalt Dryer [Used oil as fuel for drum mix asphalt plant]		
2. Source Classification Code (SCC): 3-90-013-99		3. SCC Units: Thousand gallons burned (TGB)
4. Maximum Hourly Rate: 0.89	5. Maximum Annual Rate: 1200	6. Estimated Annual Activity Factor: NA
7. Maximum % Sulfur: 1.0	8. Maximum % Ash: NA	9. Million Btu per SCC Unit: 135 mmBtu/TGB
10. Segment Comment (limit to 200 characters): Maximum heat input = 120 mmBtu/hr = 0.4 mmBtu/ton asphalt At 135 mmBtu/TGB = 0.89 TGB/hr Annual fuel oil usage is limited to 1.2 million gallons in accordance with Rule 62-210.300(3)(c).		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**Potential Emissions**

1. Pollutant Emitted: PM		2. Pollutant Regulatory Code: EL	
3. Primary Control Device Code: 016	4. Secondary Control Device Code: NA	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 4.2 lb/hour 3.5 tons/year		7. Synthetically Limited? [X]	
8. Emission Factor: 0.014 lb/ton Reference: AP-42, Table 11.1-5		9. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): 0.014 lb/ton x 300 ton/hr = 4.2 lb/hr 0.014 lb/ton x 500,000 tons/yr x 1.0 ton/ 2000 lb = 3.5 TPY			
11. Pollutant Potential Emissions Comment (limit to 200 characters): Annual production is limited to 500,000 tons in accordance with Rule 62-210.300(3)(c).			

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: Rule 40 CFR 60.92	2. Future Effective Date of Allowable Emissions: NA
3. Requested Allowable Emissions and Units: 0.04 gr/dscfm	4. Equivalent Allowable Emissions: 13.71 lb/hour 60.0 tons/year
5. Method of Compliance (limit to 60 characters): Method 5	
6. Allowable Emissions Comment (Desc. Of Operating Method) (limit to 200 characters): 0.04 gr/dscfm x 40,000 dscfm x 60 min/hr x 1.0 lb/7000 grains = 13.71 lb/hr 13.71 lb/hr x 8760 hr/yr x 1.0 ton/2000 lb = 60.0 ton/yr	

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**Potential Emissions**

1. Pollutant Emitted: SO2		2. Pollutant Regulatory Code: NS	
3. Primary Control Device Code: NA	4. Secondary Control Device Code: NA	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 16.8 lb/hour 14.0 tons/year		7. Synthetically Limited? [X]	
8. Emission Factor: 0.056 lb/ton Reference: AP-42, 5th Edition, Table 11.1-8		9. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): 300 ton/hr x 0.056 lb/ton = 16.8 lb/hr 500,000 tons/yr x 0.056 lb/ton x 1.0 ton/ 2000 lb = 14.0 TPY			
11. Pollutant Potential Emissions Comment (limit to 200 characters): Annual production is limited to 500,000 tons in accordance with Rule 62-210.300(3)(c).			

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: ESCTV	2. Future Effective Date of Allowable Emissions: NA
3. Requested Allowable Emissions and Units: 1% sulfur fuel oil	4. Equivalent Allowable Emissions: 133.5 lb/hour 90 tons/year
5. Method of Compliance (limit to 60 characters): Fuel oil sulfur analysis by vendor	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): Annual fuel oil usage is limited to 1.2 million gallons in accordance with Rule 62-210.300(3)(c). Used oil: 890 gal/hr x 0.01 sulfur fraction x 2 SO2/S x 7.5 lb/gal = 133.5 lb/hr 1,200,000 gal/yr x 0.01 S fract. X 2 SO2/S x 7.5 lb/gal x tn/2000 lb = 90 ton/yr	

Emissions Unit Information Section 1 of 1

Pollutant Detail Information Page 2 of 5

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: RULE	2. Future Effective Date of Allowable Emissions: NA
3. Requested Allowable Emissions and Units: 1.1 lb/MMBtu	4. Equivalent Allowable Emissions: 132 lb/hour 110 tons/year
5. Method of Compliance (limit to 60 characters): FAC Conditional exemption is more limiting. (see Allowable Emissions 1 of 2)	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 1.1 MMBtu x 120 MMBtu/hr = 132 lb/hr 1.1 MMBtu x 500,000 ton asphalt/yr x 0.4 MMBtu/ton = 110 ton/yr	

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**Potential Emissions**

1. Pollutant Emitted: NOx		2. Pollutant Regulatory Code: NS	
3. Primary Control Device Code: NA	4. Secondary Control Device Code: NA		5. Total Percent Efficiency of Control:
6. Potential Emissions: 22.5 lb/hour 18.8 tons/year			7. Synthetically Limited? [X]
8. Emission Factor: 0.075 lb/ton Reference: AP-42, 5th Edition, Table 11.1-8			9. Emissions Method Code: 3
10. Calculation of Emissions (limit to 600 characters): 300 ton/hr x 0.075 lb/ton = 22.5 lb/hr 500,000 tons/yr x 0.075 lb/ton x 1.0 ton/ 2000 lb = 18.8 TPY			
11. Pollutant Potential Emissions Comment (limit to 200 characters): Annual production is limited to 500,000 tons in accordance with Rule 62-210.300(3)(c).			

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: NA		2. Future Effective Date of Allowable Emissions: NA	
3. Requested Allowable Emissions and Units:		4. Equivalent Allowable Emissions: lb/hour tons/year	
5. Method of Compliance (limit to 60 characters):			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):			

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**Potential Emissions**

1. Pollutant Emitted: CO		2. Pollutant Regulatory Code: NS	
3. Primary Control Device Code: NA	4. Secondary Control Device Code: NA	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 10.8 lb/hour 9.0 tons/year		7. Synthetically Limited? [X]	
8. Emission Factor: 0.036 lb/ton Reference: AP-42, 5th Edition, Table 11.1-8		9. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): 300 ton/hr x 0.036 lb/ton = 10.8 lb/hr 500,000 tons/yr x 0.036 lb/ton x 1.0 ton/ 2000 lb = 9.0 TPY			
11. Pollutant Potential Emissions Comment (limit to 200 characters): Annual production is limited to 500,000 tons in accordance with Rule 62-210.300(3)(c).			

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: NA	2. Future Effective Date of Allowable Emissions: NA
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: VOC		2. Pollutant Regulatory Code: NS	
3. Primary Control Device Code: NA	4. Secondary Control Device Code: NA	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 20.7 lb/hour 17.3 tons/year		7. Synthetically Limited? [X]	
8. Emission Factor: 0.069 lb/ton Reference: AP-42, 5th Edition, Table 11.1-8		9. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): 300 ton/hr x 0.069 lb/ton = 20.7 lb/hr 500,000 tons/yr x 0.069 lb/ton x 1.0 ton/ 2000 lb = 17.3 TPY			
11. Pollutant Potential Emissions Comment (limit to 200 characters): Annual production is limited to 500,000 tons in accordance with Rule 62-210.300(3)(c).			

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: NA	2. Future Effective Date of Allowable Emissions: NA
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	

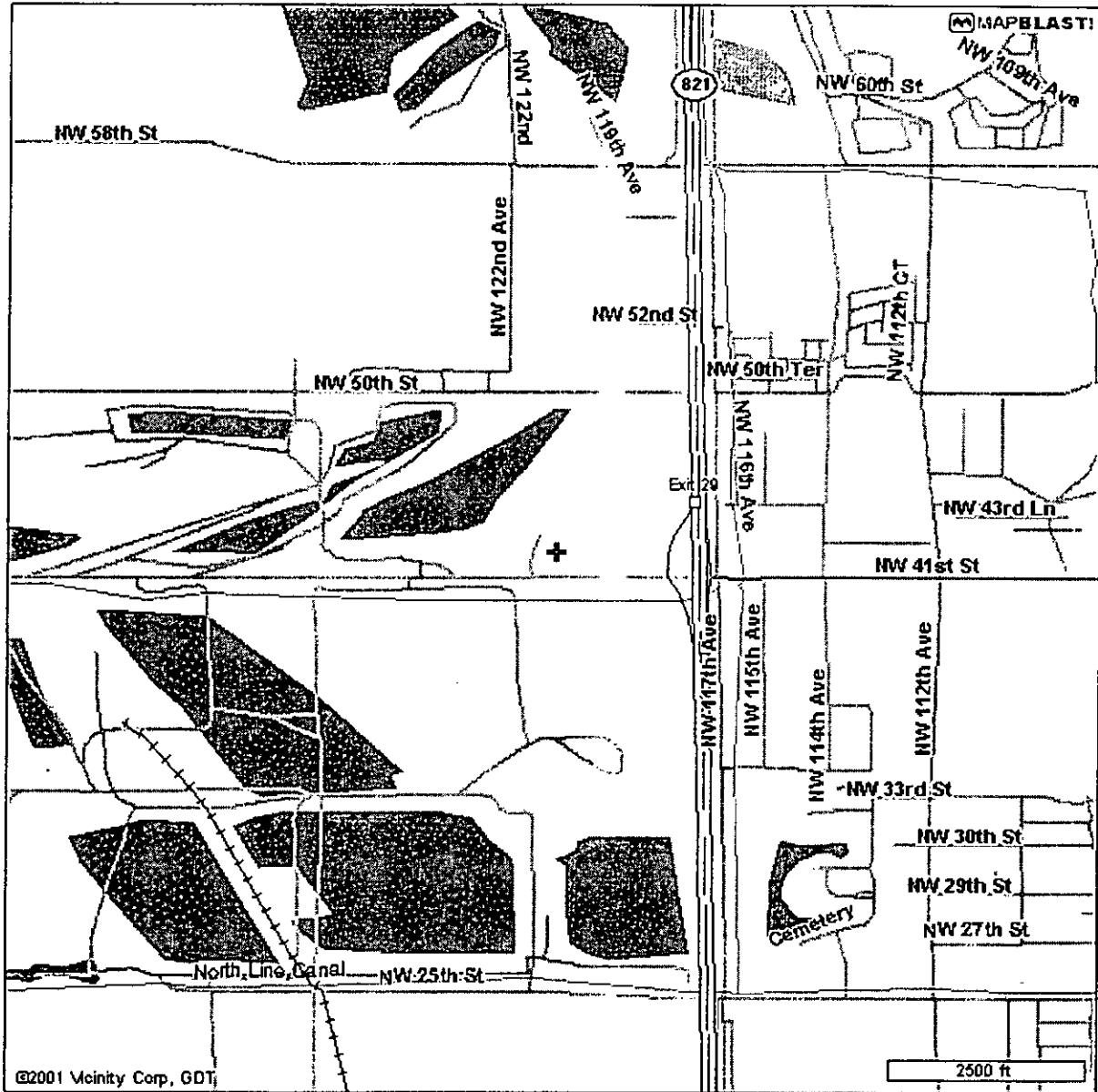
G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Process Flow Diagram <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested Department has on file
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
5. Compliance Test Report <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Previously submitted, Date: <u>January 3, 2001</u> _____ <input type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment:

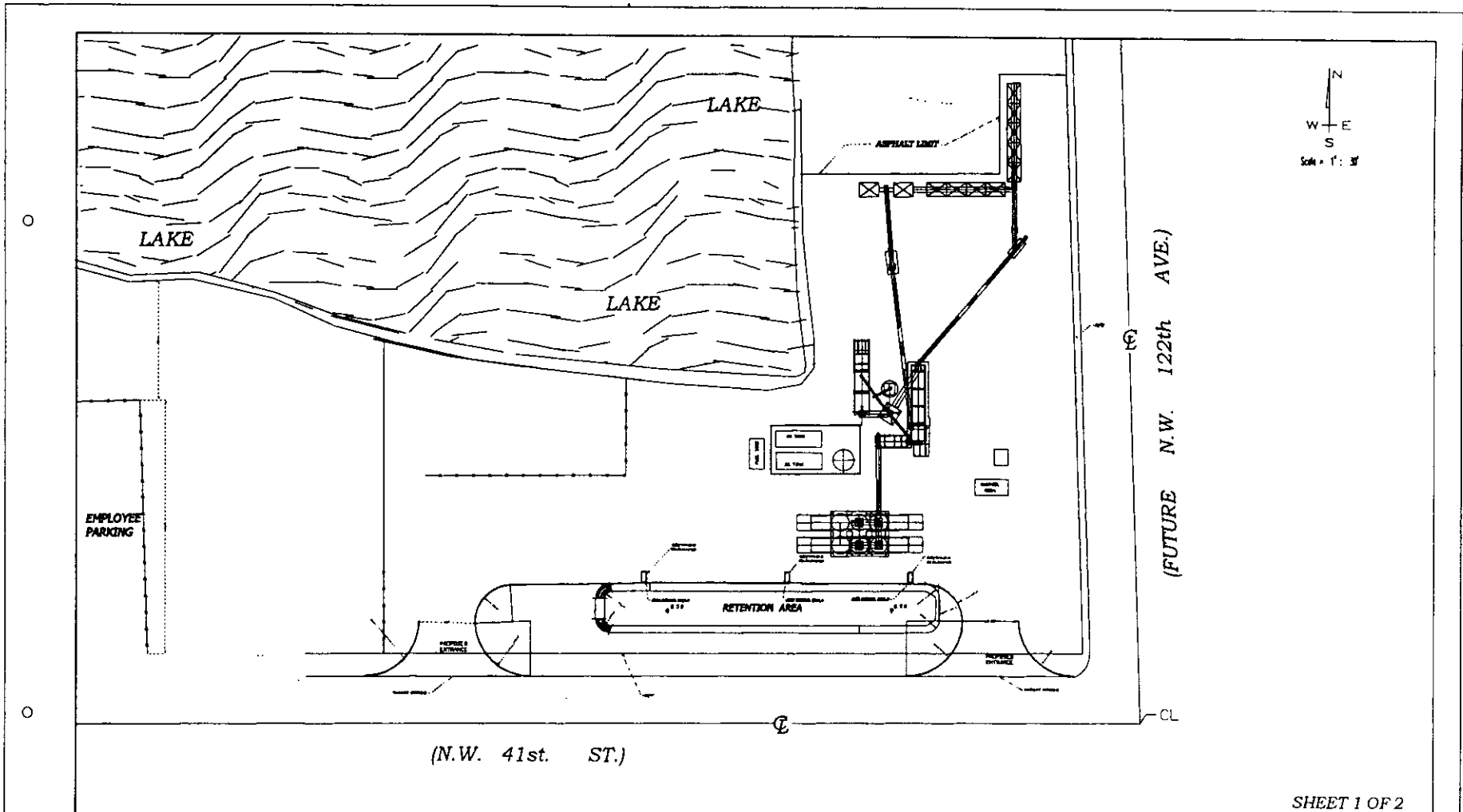
ATTACHMENT 01

Area Map Showing Facility Location



ATTACHMENT 02

Facility Plot Plan



MIAMI CRUSH ROCK A Division of APAC-Florida, Inc.	RELOCATABLE ASPHALT PLANT	JOB NO. _____ PLAN _____ DATE _____ DRAWN BY _____ SCALE = 1" = 30'	REVISIONS: _____ _____ _____ _____	Harold R. Cobb PE / RLA Consulting Engineer Landscape Architec P.O. BOX 43-1282 South Miami, FL 33143 Cell Phone: (305) 632-8280	Pan American Construction A Division of APAC-Florida, Inc. 7600 N.W. 69th Avenue Medley, Florida 33166 Telephone (305) 883-8770 Fax (305) 883-6606
		SHEET 1 OF 2			

ATTACHMENT 03
 Process Flow Diagram

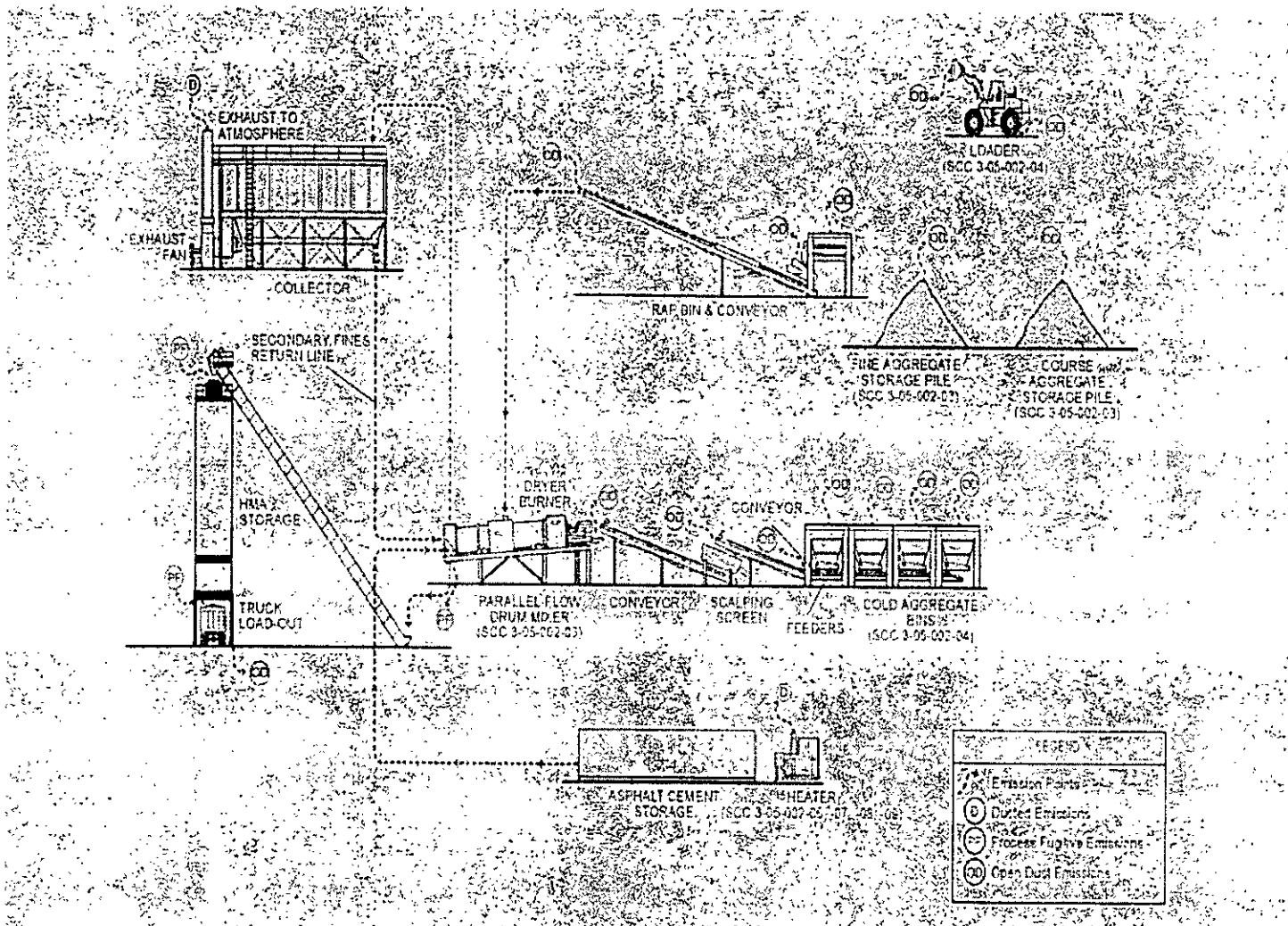


Figure 11-1-2. General process flow diagram for drum mix asphalt plants. ⁴³ (Source: Classification Codes in parentheses.)

Source: EPA, AP-42, Chapter 11.

ATTACHMENT 04

Precautions to Prevent Emissions of Unconfined Particulate Matter

1. 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 to control unconfined emissions of particulate matter are listed at Rule 62-296.320(4), F.A.C.

The facility will apply some of the following preventive measures as necessary to limit emissions of unconfined particulate matter.

Potential reasonable precautions will include the following items:

- 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, oil, 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.