



KOOGLER & ASSOCIATES
ENVIRONMENTAL SERVICES
4014 NW THIRTEENTH STREET
GAINESVILLE, FLORIDA 32609
352/377-5822 • FAX/377-7158

153-01-03
October 31, 2001

William Leffler
FDEP
2600 Blair Stone Road
MS 5505
Tallahassee, FL 32399

RECEIVED

NOV 05 2001

BUREAU OF AIR REGULATION

Subject: Air Construction Permit- Relocatable Facility Designation
Pan American Construction, Asphalt Plant No. 6
Current Facility ID: 0250010 *7770010-005-AC*

Dear Mr. Leffler,

Enclosed are four copies of the revised air construction permit and check in the amount of \$3500 to designate the Pan American Construction Co. asphalt concrete plant (facility ID: 0250010) as a relocatable facility. The previously submitted check of \$1000 and the enclosed check provide \$4500 for the application. At this time the facility plans to be located within Dade county and will use the Miami Herald for public notice publication.

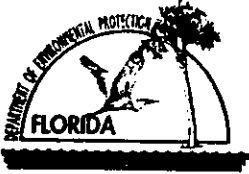
If you have any questions or comments please contact me at your earliest convenience (352) 377-5822.

Sincerely,

Max Lee, Ph.D.

Enc:

C: John Parker, Pan American Construction Company



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>11-5-01</i> |
| 2. Permit Number: | <i>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: _____

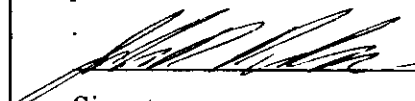
Reason for revision: _____

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: John D. Parker, 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>Nov 2, 2001</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

10/31/01

Date

(seal)

* Attach any exception to certification statement.

Scope of Application

| Emissions Unit ID | Description of Emissions Unit | Permit Type | Processing Fee |
|-------------------|--|-------------|----------------|
| 004 | One (1) 300 TPH Drum Mix Asphalt Plant with Baghouse | AC1C | \$4500 |
| | Note: Initial application submitted on 10/22/01 with payment of \$1000. This revision to the application includes a check for \$3500 to provide a total payment of \$4500. | | |
| | | | |
| | | | |
| No ID | Portable RAP Crusher | AC1F | |
| No ID | Asphalt Cement Heater | AC1F | |
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Application Processing Fee

Check one: Attached - Amount: \$ 3500 (see note above) Not Applicable

Construction/Modification Information

1. Description of Proposed Project or Alterations:

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

Facility operations are requested to remain limited to non Title V status according to 62-210.300(3)(c)1, F.A.C.

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

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

Application Comment

Application fee: Pollutant less than 100 tpy = \$4500

Request is made for Dade County at this time.

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

| | | | |
|---|--------------------------------------|--|------------------------------------|
| 1. Facility UTM Coordinates: Zone: 17 East (km): 560.95 E North (km): 2854.89 N | | | |
| 2. Facility Latitude/Longitude: See Field 1 Latitude (DD/MM/SS): Longitude (DD/MM/SS): | | | |
| 3. Governmental Facility Code: 0 | 4. Facility Status Code: A | 5. Facility Major Group SIC Code: 29 | 6. Facility SIC(s): 2951 |
| 7. Facility Comment (limit to 500 characters): | | | |

Facility Contact

| | | |
|--|--|--|
| 1. Name and Title of Owner/Authorized Representative: John D. Parker, 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 | | |

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

Florida Administrative Code (F.A.C.):

62-4 through 62-297

40 CFR 60, NSPS, Subpart I

Standards of performance for asphalt plants

B. FACILITY POLLUTANTS

List of Pollutants Emitted

| 1. Pollutant Emitted | 2. Pollutant Classif. | 3. Requested Emissions Cap | | 4. Basis for Emissions Cap | 5. Pollutant Comment |
|----------------------|-----------------------|----------------------------|-----------|----------------------------|------------------------|
| | | lb/hour | tons/year | | |
| PM | B | | | RULE | NSPS Subpart I, |
| SO2 | SM | | | Other | RULE 62-210.300(3)(c)1 |
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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: [] 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 AutoPulse2 baghouse, model SAF 4800.</p> | | |

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)1. | | |

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)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)1. | | |

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)1. | | |

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: | | 7. Synthetically Limited? [X] | |
| 6. Potential Emissions: 4.2 lb/hour 3.5 tons/year | | 9. Emissions Method Code: 3 | |
| 8. Emission Factor: 0.014 lb/ton Reference: AP-42, Table 11.1-5 | | | |
| 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)1, F.A.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: 133.5 lb/hour 90 tons/year | | 7. Synthetically Limited? [X] | |
| 8. Emission Factor: 1 % sulfur in fuel Reference: Rule 62-210.300(3)(c)1, allowable fuel sulfur | | 9. Emissions Method Code: 0 | |
| 10. Calculation of Emissions (limit to 600 characters): Fuel 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 | | | |
| 11. Pollutant Potential Emissions Comment (limit to 200 characters): Annual fuel oil usage is limited to 1.2 million gallons in accordance with Rule 62-210.300(3)(c)1, F.A.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)1. Fuel 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 3

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)1. | | | |

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)1. | | | |

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): | |

Emissions Unit Information Section 1 of 3

Pollutant Detail Information Page 5 of 5

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)1. | | | |

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): | |

E. VISIBLE EMISSIONS INFORMATION
(Only Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

| | |
|--|--|
| 1. Visible Emissions Subtype: VE20 | 2. Basis for Allowable Opacity: [X] Rule [] Other |
| 3. Requested Allowable Opacity: Normal Conditions: 20 % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour | |
| 4. Method of Compliance: Method 9 | |
| 5. Visible Emissions Comment (limit to 200 characters): 40 CFR 60.92(a)(2) 62-210.300(3)(c)1.f., F.A.C. | |

F. CONTINUOUS MONITOR INFORMATION
(Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor of

| | |
|---|---|
| 1. Parameter Code: NA | 2. Pollutant(s): |
| 3. CMS Requirement: | [] Rule [] Other |
| 4. Monitor Information: Manufacturer: Model Number: Serial Number: | |
| 5. Installation Date: | 6. Performance Specification Test Date: |
| 7. Continuous Monitor Comment (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 |
| 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: |

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 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 checked="" 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>3. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Relocatable Crushing/Screening Unit</p> | | |
| <p>3. Emissions Unit Identification Number: <input checked="" type="checkbox"/> No ID ID:</p> | | |
| <p>4. Emissions Unit Status Code: A</p> | <p>5. Initial Startup Date: N/A</p> | <p>6. Emissions Unit Major Group SIC Code: 29</p> |
| <p>8. Emissions Unit Comment: (Limit to 500 Characters)</p> <p>This emission unit consists of a Crushing/Screening Unit. Unit manufacturer is Cedar Rapids, model 3633 or equivalent unit. Particulate matter emissions are fugitive.</p> | | |

Emissions Unit Control Equipment

| |
|--|
| 2. Control Equipment/Method Description (limit to 200 characters per device or method): NA |
| 2. Control Device or Method Code(s): NA |

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: | 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): | |
| Unit operates as part of facility limited to achieve non-TV status according to 62-210.300(3)(c)1, F.A.C. | |

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

| | | | |
|--|---|---|--|
| 1. Identification of Point on Plot Plan or Flow Diagram? fugitive | | 2. Emission Point Type Code: 4 | |
| 3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): | | | |
| 4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/A | | | |
| 5. Discharge Type Code: F | 6. Stack Height: feet | 7. Exit Diameter: feet | |
| 8. Exit Temperature: °F | 9. Actual Volumetric Flow Rate: acfm | 10. Water Vapor: % | |
| 11. Maximum Dry Standard Flow Rate: 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 1

| | | |
|---|---|--|
| 3. Segment Description (Process/Fuel Type) (limit to 500 characters): Primary Crushing | | |
| 4. Source Classification Code (SCC): 3-05-020-01 | | 3. SCC Units: Tons Produced |
| 4. Maximum Hourly Rate: 150 | 5. Maximum Annual Rate: 250,000 | 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): Assume maximum 50 percent RAP in asphalt production. Annual facility-wide asphalt production is limited to 500,000 tons in accordance with Rule 62-210.300(3)(c)1. | | |

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

| | | | |
|---|---|---|--|
| 1. Pollutant Emitted: PM | | 2. Pollutant Regulatory Code: EL | |
| 3. Primary Control Device Code: NA | 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: 0.00070 lb/ton Reference: AP-42, Table 11.9.2-2 | | 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 | | | |
| 12. 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)1. | | | |

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 |
| 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 type="checkbox"/> Previously submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable |
| 6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" 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: |

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 style="text-align: center;">Asphalt Cement Heater</p> | | |
| <p>3. Emissions Unit Identification Number:</p> <p>ID:</p> | | <p><input checked="" type="checkbox"/> No ID</p> <p><input type="checkbox"/> ID Unknown</p> |
| <p>4. Emissions Unit Status</p> <p>Code: A</p> | <p>5. Initial Startup Date:</p> <p>NA</p> | <p>6. Emissions Unit Major Group SIC Code: 29</p> |
| <p>7. Emissions Unit Comment: (Limit to 500 Characters)</p> <p>Limited in operation in accordance with Rule 62-210.300(3)(c)1, F.A.C. requirements.</p> <p>Request that heater not be regulated as an emissions unit for operation permit status and that it be stated in construction permit. This request is based on Rule 62-210.300(b)1, F.A.C.</p> <p>a) The unit is not be subject to a unit-specific applicable requirement.</p> <p>b) The unit would neither emit nor have the potential to emit:</p> <p>i) 500 lb/yr of lead or lead compounds</p> <p>ii) 1000 lb/yr of any single HAPs</p> <p>iii) 2500 lb/yr of total HAPs</p> <p>iv) 5.0 ton/yr of any regulated pollutant.</p> | | |

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

| | | | |
|---|---|---|--|
| 1. Identification of Point on Plot Plan or Flow Diagram: AC tank | | 2. Emission Point Type Code: 4 | |
| 3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): NA | | | |
| 4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NA | | | |
| 5. Discharge Type Code: V | 6. Stack Height: NA feet | 7. Exit Diameter: NA feet | |
| 8. Exit Temperature: NA °F | 9. Actual Volumetric Flow Rate: NA acfm | 10. Water Vapor: NA % | |
| 11. Maximum Dry Standard Flow Rate: NA dscfm | | 12. Nonstack Emission Point Height: NA 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 2

| | | |
|--|---|--|
| 1. Segment Description (Process/Fuel Type) (limit to 500 characters): Industrial Processes: Mineral Products: Asphaltic Concrete: Asphalt Heater: Distillate Oil | | |
| 2. Source Classification Code (SCC): 3-05-002-08 | | 3. SCC Units: Thousand gallons burned (TGB) |
| 4. Maximum Hourly Rate: 0.015 | 5. Maximum Annual Rate: 131.4 | 6. Estimated Annual Activity Factor: NA |
| 7. Maximum % Sulfur: 1% | 8. Maximum % Ash: NA | 9. Million Btu per SCC Unit: 141 |
| 10. Segment Comment (limit to 200 characters): 2.1 mmBTU/hr x TGB/141 mmBTU = 0.015 TGB/hr 0.015 TGB/hr x 8760 hr/yr = 131.4 TGB/yr The fuel oil used in the asphalt cement heater is included in the annual fuel oil usage limit of 1,200,000 gallons in accordance with Rule 62-210.300(3)(c)1, F.A.C. | | |

Segment Description and Rate: Segment 2 of 2

| | | |
|---|--|--|
| 1. Segment Description (Process/Fuel Type) (limit to 500 characters): Industrial Processes: Mineral Products: Asphaltic Concrete: Asphalt Heater: Natural Gas | | |
| 2. Source Classification Code (SCC): 3-05-002-06 | | 3. SCC Units: Million cubic feet burned |
| 4. Maximum Hourly Rate: 0.0021 | 5. Maximum Annual Rate: 18.4 | 6. Estimated Annual Activity Factor: NA |
| 7. Maximum % Sulfur: NA | 8. Maximum % Ash: NA | 9. Million Btu per SCC Unit: 1000 mmBtu/mmcf |
| 10. Segment Comment (limit to 200 characters): 2.1 mmBTU/hr x mmcf/1000mmBTU = 0.0021 mmcf/hr 0.0021 mmcf/hr x 8760 hr/yr = 18.4 mmcf/yr | | |

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

| | | | |
|---|---|---|--|
| 1. Pollutant Emitted: PM | | 2. Pollutant Regulatory Code: EL | |
| 3. Primary Control Device Code: NA | 4. Secondary Control Device Code: NA | 5. Total Percent Efficiency of Control: | |
| 6. Potential Emissions: 0.186 lb/hour 0.155 tons/year | | 7. Synthetically Limited? [X] | |
| 8. Emission Factor: 9.19 (S) + 3.22 Reference: AP-42, Table 1.3.1 | | 9. Emissions Method Code: 3 | |
| 10. Calculation of Emissions (limit to 600 characters): Emission Factor (EF): 9.19 (S) + 3.22, where maximum sulfur (S) = 1% Therefore, EF = 12.41 lb/TGB Hourly: 12.41 lb/TGB x 0.015 TGB/hr = 0.186 lb/hr Per ton: 0.186 lb/hr / 300 ton/hr = 0.00062 lb/ton Yearly: 0.00062 lb/ton x 500,000 ton/yr x ton/2000 lb = 0.155 ton/yr | | | |
| 11. Pollutant Potential Emissions Comment (limit to 200 characters): Annual fuel use and production is limited in accordance with Rule 62-210.300(3)(c)1. | | | |

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: SO2 | | 2. Pollutant Regulatory Code: EL | |
| 3. Primary Control Device Code: NA | 4. Secondary Control Device Code: NA | 5. Total Percent Efficiency of Control: | |
| 6. Potential Emissions: 2.36 lb/hour 1.96 tons/year | | 7. Synthetically Limited? [X] | |
| 8. Emission Factor: 157 (S) Reference: AP-42, 5th Edition, Table 11.1-8 | | 9. Emissions Method Code: 3 | |
| 10. Calculation of Emissions (limit to 600 characters): Emission Factor: 157 (S), where maximum sulfur = 1% = S E.F. = 157 lb/TGB Hourly: 157 lb/TGB x 0.015 TGB/hr = 2.36 lb/hr Per ton: 2.36 lb/hr / 300 ton/hr = 0.00785 lb/ton Yearly: 500,000 tons/yr x 0.00785 lb/ton x 1.0 ton/ 2000 lb = 1.96 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)1. | | | |

Allowable Emissions Allowable Emissions 1 of 1

| | |
|--|--|
| 1. Basis for Allowable Emissions Code: RULE 62-210.300(3)(c)1 | 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 90.0 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)1. See Emissions Unit No. 1 for details of facility-wide allowable emissions calculations. | |

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: 0.825 lb/hour 0.688 tons/year | | 7. Synthetically Limited? [X] | |
| 8. Emission Factor: 55 lb/TGB Reference: AP-42, Table 1.3-1 | | 9. Emissions Method Code: 3 | |
| 10. Calculation of Emissions (limit to 600 characters): Hourly: 0.015 TGB/hr x 55 lb/TGB = 0.825 lb/hr Per ton: 0.825 lb/hr / 300 ton/hr = 0.00275 lb/ton Yearly: 500,000 ton/yr x 0.00275 lb/ton x ton/ 2000 lb = 0.688 ton/yr | | | |
| 11. Pollutant Potential Emissions Comment (limit to 200 characters): Natural Gas- Nox emissions are less. (EF= 100 lb/10⁶ scf) Annual production is limited to 500,000 tons in accordance with Rule 62-210.300(3)(c)1. | | | |

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: 0.176 lb/hour 0.147 tons/year | | 7. Synthetically Limited? [X] | |
| 8. Emission Factor: 84 lb/mmscf Reference: AP-42, Table 1.4-1 | | 9. Emissions Method Code: 3 | |
| 10. Calculation of Emissions (limit to 600 characters): Natural gas emissions higher than distillate. Hourly: 84 lb/mmscf x 0.0021 mmscf/hr = 0.176 lb/hr Per ton: 0.176 lb/hr / 300 ton/hr = 0.000588lb/ton Yearly: 500,000 tons/yr x 0.000588 lb/ton x 1 ton/ 2000 lb = 0.147 ton/yr | | | |
| 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)1. | | | |

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): | |

Emissions Unit Information Section 3 of 3

Pollutant Detail Information Page 5 of 5

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: 0.017 lb/hour 0.014 tons/year | | 7. Synthetically Limited? [X] | |
| 8. Emission Factor: 1.13 lb/TGB Reference: AP-42, Table 1.3-3 | | 9. Emissions Method Code: 3 | |
| 10. Calculation of Emissions (limit to 600 characters): Hourly: 1.13 lb/TGB x 0.015 TGB/hr = 0.017 lb/hr Per ton: 0.017 lb/hr / 300 ton/hr = 0.000057 lb/ton Yearly: 500,000 tons/yr x 0.000057 lb/ton x 1.0 ton/ 2000 lb = 0.014 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)1. | | | |

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): | |

E. VISIBLE EMISSIONS INFORMATION
(Only Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation: Visible Emissions Limitation _____ of _____

| | |
|---|---|
| 1. Visible Emissions Subtype: NA | 2. Basis for Allowable Opacity: [X] Rule [] Other |
| 3. Requested Allowable Opacity: Normal Conditions: _____ % Exceptional Conditions: _____ % Maximum Period of Excess Opacity Allowed: _____ min/hour | |
| 4. Method of Compliance: | |
| 5. Visible Emissions Comment (limit to 200 characters): Request that heater not be regulated as an emissions unit for operation permit status and that it be stated in construction permit. This request is based on Rule 62-210.300(b) | |

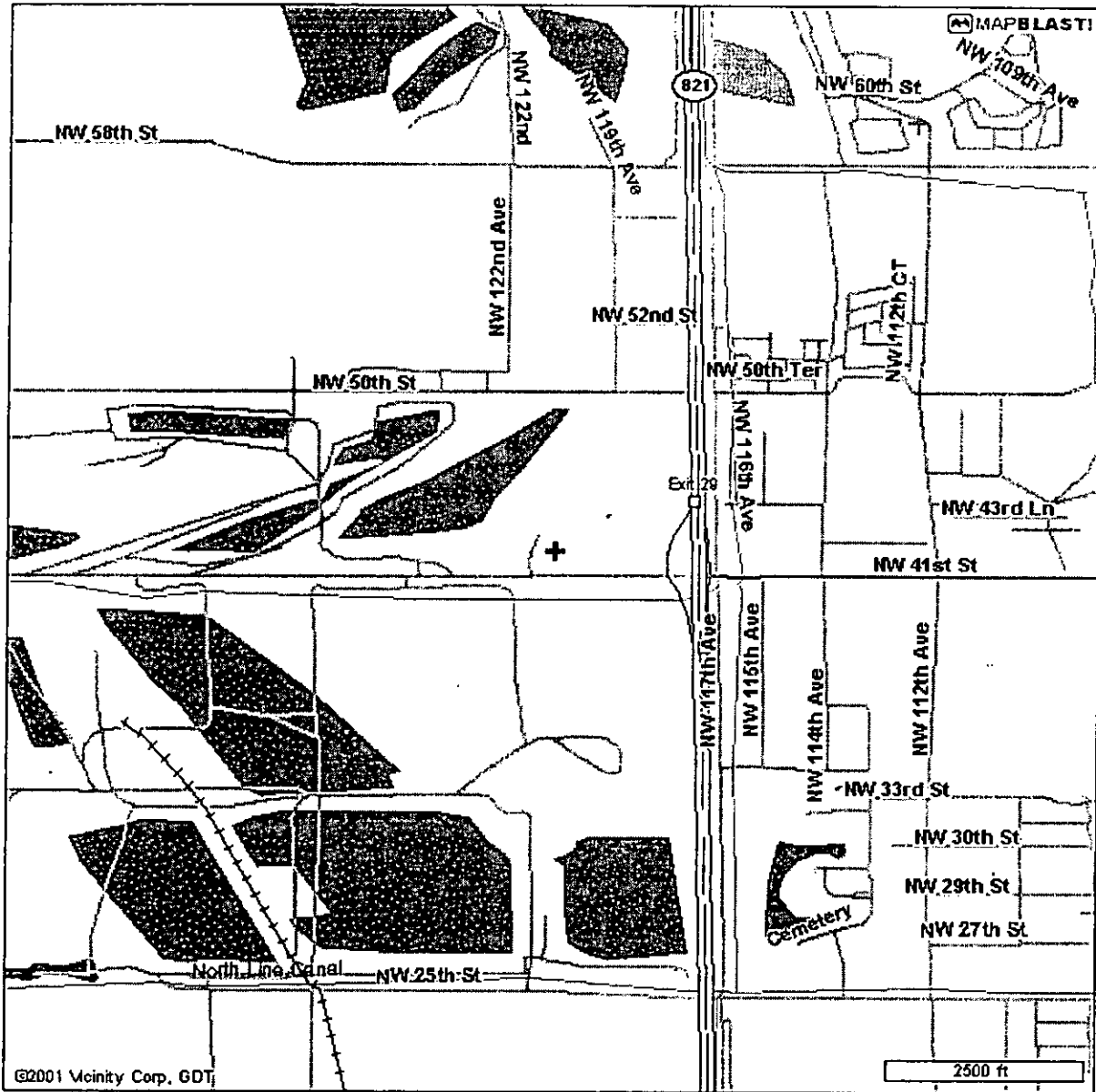
F. CONTINUOUS MONITOR INFORMATION
(Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor _____ of _____

| | |
|--|---|
| 1. Parameter Code: NA | 2. Pollutant(s): |
| 3. CMS Requirement: [] Rule [] Other | |
| 4. Monitor Information: Manufacturer: Model Number: _____ Serial Number: _____ | |
| 5. Installation Date: | 6. Performance Specification Test Date: |
| 7. Continuous Monitor Comment (limit to 200 characters): | |

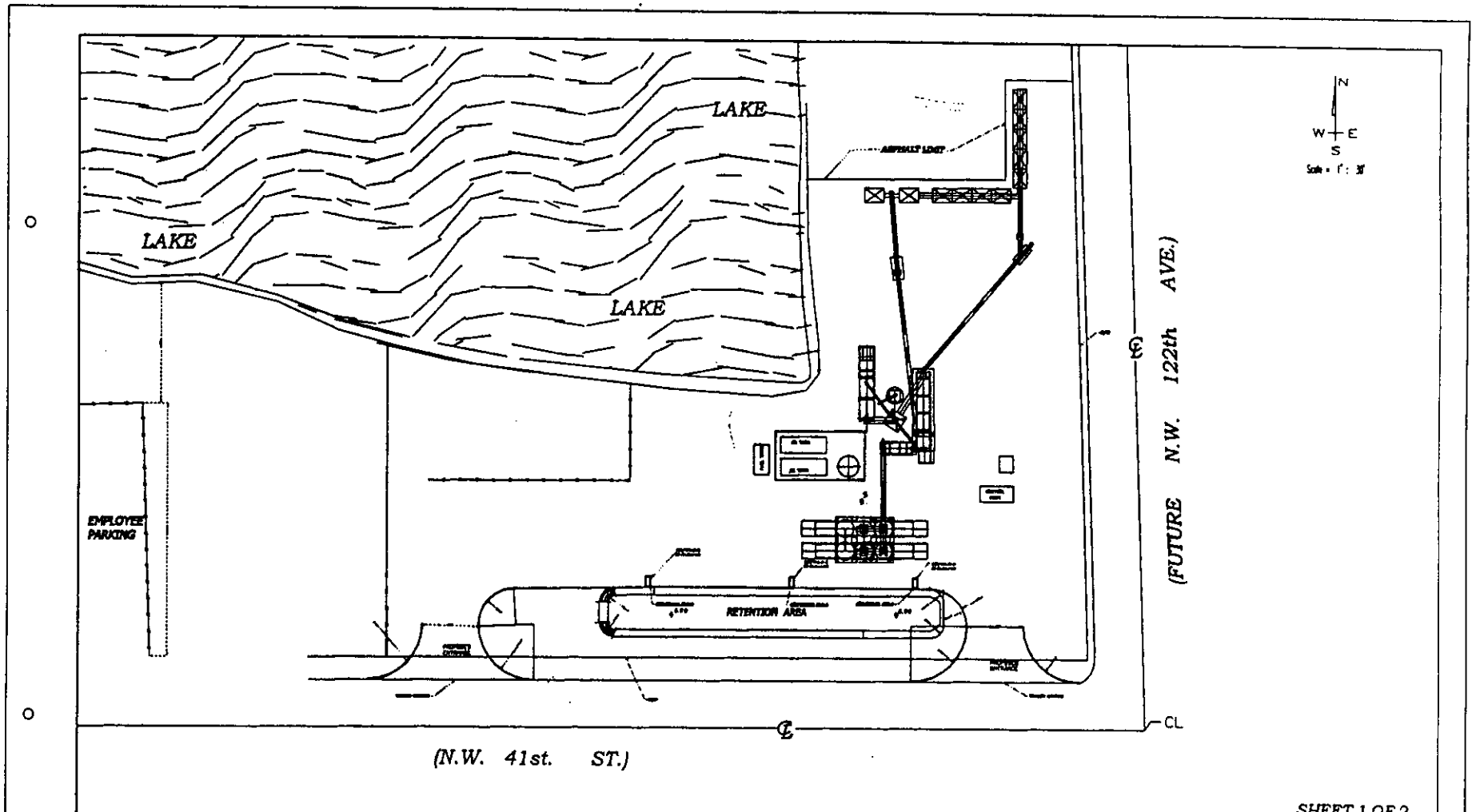
ATTACHMENT 01

Area Map Showing Facility Location



ATTACHMENT 02

Facility Plot Plan



SHEET 1 OF 2

| | | | | |
|--|---|--|---|---|
| <p>MIAMI CRUSH ROCK</p> <p>apac A Division of APAC-Florida, Inc.</p> | <p>RELOCATABLE ASPHALT PLANT</p> | <p>JOB No. _____</p> <p>REV. _____</p> <p>DATE _____</p> <p>SCALE = 1" = 20'</p> | <p>REVISIONS:</p> <p>Harold R. Cobb PE / RLA Consulting Engineer Landscape Architec</p> <p>P.O. BOX 43-1282 South Miami, FL 33143 Cell Phone: (305) 632-8280</p> | <p>apac Pan American Construction A Division of APAC-Florida, Inc.</p> <p>7800 N.W. 69th Avenue Wesley, Florida 33166 Telephone (305) 883-8770 Fax (305) 883-8608</p> |
|--|---|--|---|---|

ATTACHMENT 03
Process Flow Diagram

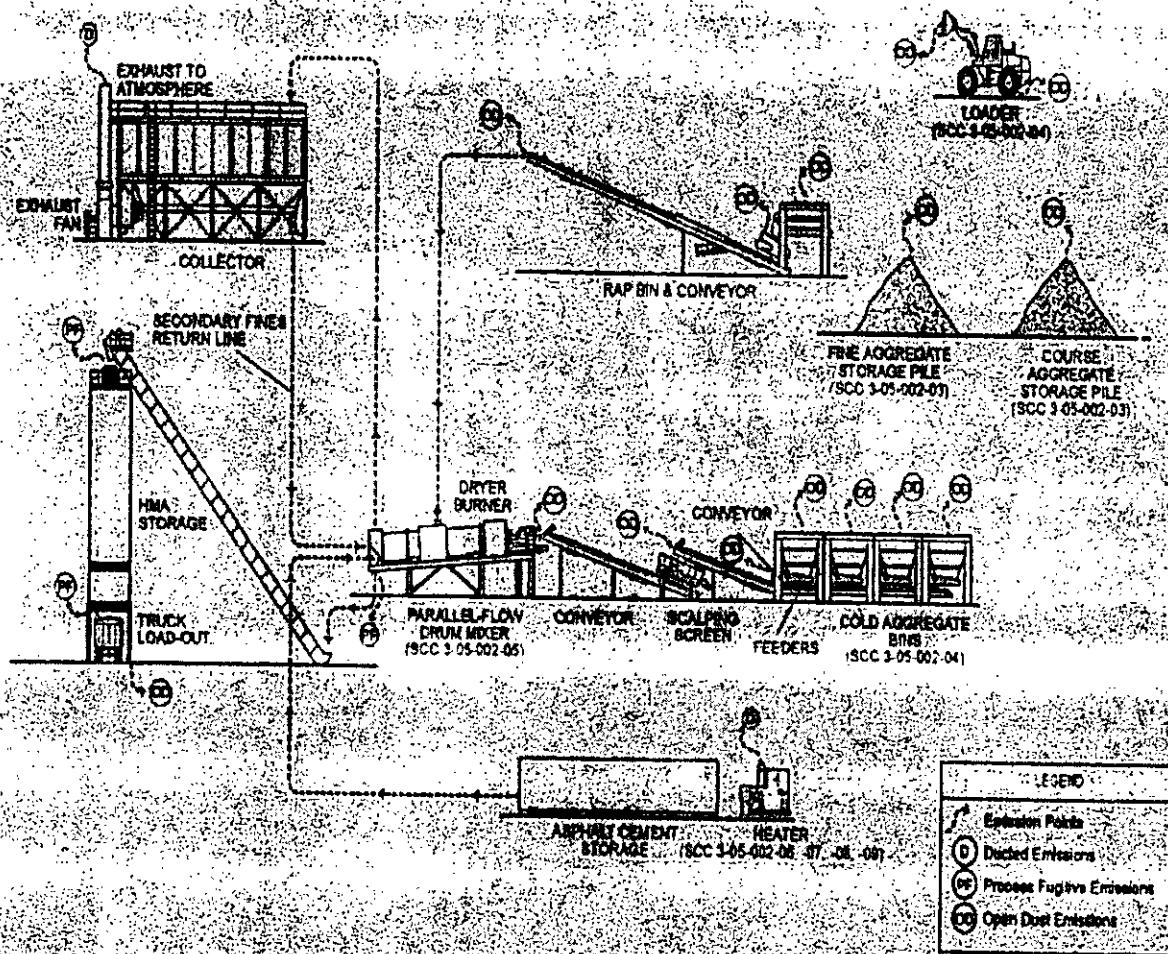


Figure 11.1-2. General process flow diagram for drum mix asphalt plants.⁴³ (Source Classification Codes in parentheses.)

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.



PNC Bank, National Association
JEANNETTE, PA

CHECK NUMBER 76003514

60-162
433

APAC - FLORIDA, INC.
PAN AMERICAN DIVISION
7600 NW 69TH STREET
MEDLEY, FLORIDA 33166

10625961

| DATE | AMOUNT |
|----------|-----------------|
| 11/02/01 | \$*****3,500.00 |

VOID IF NOT CASHED IN 180 DAYS

PAY THREE THOUSAND FIVE HUNDRED AND 00/100
TO THE ORDER OF:

GENERAL ACCOUNT

F D E P
2600 Blair Stone Road
M S 5505
Tallahassee FL 32399

SIGNATURE HAS A COLORED BACKGROUND - BORDER CONTAINS MICROPRINTING

⑈ 76003514 ⑆ ⑆ 043301627 ⑆ ⑆ 1009556034 ⑆ ⑆

SEE ENDORSEMENT AREA ON BACK FOR U.S. PATENT 5538290;5575508;5641183



DETACH STATEMENT BEFORE DEPOSITING

APAC - FLORIDA, INC.
PAN AMERICAN DIVISION
7600 NW 69TH STREET
MEDLEY, FLORIDA 33166
(305) 883-8770

CHECK NUMBER 76003514

CHECK DATE 11/02/01

| INVOICE NO: | DATE | DESCRIPTION | GROSS | DEDUCTIONS | AMOUNT PAID |
|-------------|--------|---------------------|----------|------------|-------------|
| 103101 | 103101 | Facility ID 0250010 | 3,500.00 | | 3,500.00 |
| | | | ----- | ----- | ----- |
| | | | 3,500.00 | | 3,500.00 |