Southern Environmental Sciences, Inc.

1204 North Wheeler Street □ Plant City, Florida 33566-2354 □ (813) 752-5014 □ Fax: (813) 752-2475

July 25, 2002

Mr. Clair Fancy
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Subject: **FDEP Operating Permit Application**
Ajax Paving Industries Inc.
Fort Myers Asphalt Plant
Facility I.D.: 7770060

Dear Mr. Fancy:

Enclosed please find four (4) copies of the completed application; a process fee check in the amount of fifteen hundred dollars ($1,500.00) is also included. This application is for a statewide permit for the subject facility.

I am the contact person for this permit. On July 17th, I informed Mr. Bruce Mitchell of your office that the documents were forthcoming.

Sincerely,
SOUTHERN ENVIRONMENTAL SCIENCES, INC.

James C. Andrews, Jr., PE

/ca

Enclosures: **Four (4) copies of FDEP Operating Permit Application**

cc Mr. Jack Dahlmann, Ajax Paving Industries, Inc.

SOUTHERN ENVIRONMENTAL SCIENCES, INC.

1204 North Wheeler Street
Plant City, Florida 33566-2354
813-752-5014

AJAX PAVING INDUSTRIES, INC.

FORT MYERS ASPHALT PLANT

FDEP OPERATING PERMIT APPLICATION

JULY 24, 2002

RECEIVED

AUG 05 2002

BUREAU OF AIR REGULATION

Prepared By:

James C. Andrews, Jr., PE
Environmental Engineer
SOUTHERN ENVIRONMENTAL SCIENCES, INC.
1204 North Wheeler Street
Plant City, Florida 33563

Department of
Environmental Protection

DIVISION OF AIR RESOURCES MANAGEMENT

APPLICATION FOR AIR PERMIT - LONG FORM

See Instructions for Form No. 62-210.900(1)

I. APPLICATION INFORMATION

This section of the Application for Air Permit form identifies the facility and provides general information on the scope and purpose of this application. This section also includes information on the owner or authorized representative of the facility (or the responsible official in the case of a Title V source) and the necessary statements for the applicant and professional engineer, where required, to sign and date for formal submittal of the Application for Air Permit to the Department. If the application form is submitted to the Department using ELSA, this section of the Application for Air Permit must also be submitted in hard-copy.

Identification of Facility Addressed in This Application

Enter the name of the corporation, business, governmental entity, or individual that has ownership or control of the facility; the facility site name, if any; and the facility's physical location. If known, also enter the facility identification number.

1. Facility Owner/Company Name: **Ajax Paving Industries, Inc.**	
2. Site Name: **Ajax Paving Industries, Inc. – Portable Plant**	
3. Facility Identification Number: **7770060**	[ ] Unknown
4. Facility Location: Street Address or Other Locator: **7100 Pennsylvania Street** City: **Fort Myers** County: **Lee** Zip Code: **33912**	
5. Relocatable Facility? [X] Yes [ ] No	6. Existing Permitted Facility? [X] Yes [ ] No

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	8-5-02
2. Permit Number:	7770060-006-AO
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

Owner/Authorized Representative or Responsible Official

1. Name and Title of Owner/Authorized Representative or Responsible Official:

   Mr. Jack Dahlmann

2. Owner/Authorized Representative or Responsible Official Mailing Address:

   Organization/Firm: **Ajax Paving Industries, Inc.**
   Street Address: **510 Gene Green Road**
   City: **Nokomis** State: **Florida** Zip Code: **34275**

3. Owner/Authorized Representative or Responsible Official Telephone Numbers:
   Telephone: **(941) 486-3600** Fax: **(941) 486-3500**

4. Owner/Authorized Representative or Responsible Official Statement:

   I, the undersigned, am the owner or authorized representative of the non-Title V source addressed in this Application for Air Permit or the responsible official, as defined in Rule 62-210.200, F.A.C., of the Title V source addressed in this application, whichever is applicable. 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.*

Signature

7-29-2002
Date

* Attach letter of authorization if not currently on file.

Scope of Application

This Application for Air Permit addresses the following emissions unit(s) at the facility. An Emissions Unit Information Section (a Section III of the form) must be included for each emissions unit listed.

Emissions Unit ID	Description of Emissions Unit	Permit Type
001	**250 tons/hour (tph) Bituma Construction Equipment Company (BCE) drum mix asphalt plant fired by #5 "on-specification" oil with a 0.5% sulfur limit, with #2 distillate oil with a 0.5% sulfur limit being an alternate fuel. Emissions controlled by a primary dry cyclone separator followed by a BCE Model 400 baghouse system.**	**Initial Operating Permit for a Non-Title V Source**
002	**Gentec/Hy Way Model HGYO 200 oil heating system rated at 2 MMBTU/hr and fired by #2 virgin distillate oil with a 0.5% sulfur limit. Heater is used to heat the 20,000 gallon liquid asphalt tanks**	**Initial Operating Permit for a Non-Title V Source**
003	**BCE reclaimed asphalt vibrating screen used to screen reclaimed crushed to a desired size before entering the rotary drum of the asphalt**	**Initial Operating Permit for a Non-Title V Source**

Purpose of Application and Category

Check one (except as otherwise indicated):

Category I: All Air Operation Permit Applications Subject to Processing Under Chapter 62-213, F.A.C.

This Application for Air Permit is submitted to obtain:

[ ] Initial air operation permit under Chapter 62-213, F.A.C., for an existing facility which is classified as a Title V source.

[ ] Initial air operation permit under Chapter 62-213, F.A.C., for a facility which, upon start up of one or more newly constructed or modified emissions units addressed in this application, would become classified as a Title V source.

Current construction permit number: _____

[ ] Air operation permit renewal under Chapter 62-213, F.A.C., for a Title V source.

Operation permit to be renewed: _____

[ ] Air operation permit revision for a Title V source to address one or more newly constructed or modified emissions units addressed in this application.

Current construction permit number: _____

Operation permit to be revised: _____

[ ] Air operation permit revision or administrative correction for a Title V source to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application. Also check Category III.

Operation permit to be revised/corrected: _____

[ ] Air operation permit revision for a Title V source for reasons other than construction or modification of an emissions unit. Give reason for the revision; e.g., to comply with a new applicable requirement or to request approval of an "Early Reductions" proposal.

Operation permit to be revised: _____

Reason for revision: _____

_____

Category II: All Air Operation Permit Applications Subject to Processing Under Rule 62-210.300(2)(b), F.A.C.

This Application for Air Permit is submitted to obtain:

[**X**] Initial 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): **7770060-004-AC**

[ ] Renewal air operation permit under Rule 62-210.300(2)(b), F.A.C., for a synthetic non-Title V source.

Operation permit to be renewed: _____

[ ] 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 to be revised: _____

Reason for revision: _____

_____

Category III: All Air Construction Permit Applications for All Facilities and Emissions Units

This Application for Air Permit is submitted to obtain:

[ ] Air construction permit to construct or modify one or more emissions units within a facility (including any facility classified as a Title V source).

Current operation permit number(s), if any: _____

[ ] Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.

Current operation permit number(s): _____

[ ] Air construction permit for one or more existing, but unpermitted, emissions units.

Application Processing Fee

Check one:

[X] Attached - Amount: **$ 1,500.00** [ ] Not Applicable.

Construction/Modification Information

1. Description of Proposed Project or Alterations:

NA – Plant is Constructed

2. Projected or Actual Date of Commencement of Construction:
NA – Plant is constructed

3. Projected Date of Completion of Construction:
NA – Plant is constructed

Professional Engineer Certification

1. Professional Engineer Name: **Mr. James C. Andrews, Jr., P.E.**
Registration Number: **34175**

2. Professional Engineer Mailing Address:
Organization/Firm: **Southern Environmental Sciences, Inc.**
Street Address: **1204 N. Wheeler Street**
City: **Plant City** State: **FL.** Zip Code: **33563**

3. Professional Engineer Telephone Numbers:
Telephone: **(813) 752-5014** Fax: **(813) 752-2475**

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 a Title V source air operation permit (check here [ ] if so), I further certify that each emissions unit described in this Application for Air Permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance schedule is 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 [ ] 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 [X] 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.***

JAMES C. [illegible] CERTIFICATE OF REGISTRATION NO. 34176 STATE OF FLORIDA PROFESSIONAL ENGINEER

Signature (seal)

7/24/02
Date

* Attach any exception to certification statement.

**** Excludes certification of manufacturer's technical data or efficiency guarantees.**

Application Contact

1. Name and Title of Application Contact:

   Mr. James C. Andrews, Jr., Environmental Engineer

2. Application Contact Mailing Address:

   Organization/Firm: **Southern Environmental Sciences, Inc.**
   Street Address: **1204 N. Wheeler Street**
   City: **Plant City** State: **Florida** Zip Code: **33563**

3. Application Contact Telephone Numbers:
   Telephone: **(813) 752-5014** Fax: **(813) 752-2475**

Application Comment

The existing plant is located at 7100 Pennsylvania Street in Ft. Myers, Florida and consists of a 250 tph Bituma Construction Equipment Company (BCE) drum mix asphalt plant fired by #5 "on-specification" fuel oil with a 0.5% sulfur limit, with #2 distillate oil with a 0.5% sulfur limit used as back-up fuel. Emissions from the plant are controlled by a primary dry cyclone separator followed by a BCE Model 400 baghouse system.

A Gentec/Hy Way Model HGYO 200 heating oil system, rated at 2 MMBTU/hr and fired by #2 distillate oil with a sulfur limit of 0.5%, is used to heat heat fuel oil supplied to the asphalt burner and to heat the 20,000 gallon liquid asphalt tanks.

A BCE asphalt vibrating screen is used to screen reclaimed crushed asphalt to the desired size before entering the rotary drum of the asphalt plant.

All stockpiles, paved and unpaved roads, conveyor drop points, and dumped materials into hoppers will be kept damp on an as needed basis to control any fugitive emissions.

This facility will comply with all FDEP rules and regulations for asphalt plants of this type.

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1. Facility UTM Coordinates: Zone: **17** East (km): **416.92** North (km): **2930.75**			
2. Facility Latitude/Longitude: Latitude (DD/MM/SS): **26°29'47"N** Longitude (DD/MM/SS): **81°50'01"W**			
3. Governmental Facility Code: **O**	4. Facility Status Code: **A**	5. Facility Major Group SIC Code: **2951**	6. Facility SIC(s): **2951**

7. Facility Comment (limit to 500 characters):

The existing plant, constructed under FDEP Permit No. 7770060-004-AC, is located at 7100 Pennsylvania Street in Ft. Myers, Florida and consists of a 250 tph Bituma Construction Equipment Company (BCE) drum mix asphalt plant fired by #5 "on-specification" fuel oil with a 0.5% sulfur limit, with #2 distillate oil with a 0.5% sulfur limit used as back-up fuel. Emissions from the plant are controlled by a primary dry cyclone separator followed by a BCE Model 400 baghouse system. This system is rated at 66,000 ACFM and 99% efficient by the manufacturer at 3-4" of mercury pressure drop.

A Gentec/Hy Way Model HGYO 200 heating oil system, rated at 2 MMBTU/hr and fired by #2 distillate oil with a sulfur limit of 0.5% , is used to heat fuel oil supplied to the asphalt burner and to heat the 20,000 gallon liquid asphalt tanks.

A BCE asphalt vibrating screen is used to screen reclaimed crushed asphalt to the desired size before entering the rotary drum of the asphalt plant.

All stockpiles, paved and unpaved roads, conveyor drop points, and dumped materials into hoppers will be kept damp on an as needed basis to control any fugitive emissions.

This facility will comply with all FDEP rules and regulations for asphalt plants of this type.

Facility Contact

1. Name and Title of Facility Contact: **Mr. Jack Dahlmann**		
2. Facility Contact Mailing Address: Organization/Firm: **Ajax Paving Industries, Inc.** Street Address: **510 Gene Green Road** City: **Fort Myers**	State: **Florida**	Zip Code: **34272**
3. Facility Contact Telephone Numbers: Telephone: **(941) 486-3600**	Fax: **(941) 486-3500**	

Facility Regulatory Classifications

1. Small Business Stationary Source? [ ] Yes [ ] No [X] Unknown
2. Title V Source? [ ] Yes [X] No
3. Synthetic Non-Title V Source? [X] Yes [ ] No **Emissions less than 100 tons/yr.**
4. Major Source of Pollutants Other than Hazardous Air Pollutants (HAPs)? [ ] Yes [X] No
5. Synthetic Minor Source of Pollutants Other than HAPs? [X] Yes [ ] No
6. Major Source of Hazardous Air Pollutants (HAPs)? [ ] Yes [X] No **Total regulated HAP's (fuel oil) less than 25 ton/yr.**
7. Synthetic Minor Source of HAPs? [X] Yes [ ] No **Total regulated HAPS less than 25 tons/yr.**
8. One or More Emissions Units Subject to NSPS? [X] Yes [ ] No
9. One or More Emission Units Subject to NESHAP? [ ] Yes [X] No
10. Title V Source by EPA Designation? [ ] Yes [X] No **Emissions less than 100 tons/yr. Total regulated HAP's (fuel oil) less than 25 tons/yr.**
11. Facility Regulatory Classifications Comment (limit to 200 characters): **This facility does not meet the criteria of Title V "conditional exemption" in 62-210.300 (3) but is considered a "synthetic minor source" and is exempt from Title V permitting in accordance with EPA's definition.** **Emissions from facility less than 100 tons/yr.; regulated total HAPs emissions (in fuel oil) less than 25 tons/yr.**

B. FACILITY REGULATIONS

Rule Applicability Analysis (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

This facility is subject to NSPS and 40 CFR 60, subpart 000. This facility does not meet the criteria of Title V "conditional exemption" in 62-210.300 (3) but is considered a "synthetic minor source" and is exempt from Title V permitting in accordance with EPA's definition.

C. FACILITY POLLUTANTS

Facility Pollutant Information

1. Pollutant Emitted	2. Pollutant Classification
PM	**B**
SO2	**SM**
NOx	**B**
CO	**B**
VOC	**B**

D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Detail Information: Pollutant __1____ of __5____

1. Pollutant Emitted: **PM**
2. Requested Emissions Cap: **0.04 gr/dscf and 20 % opacity for baghouse exhaust, 20 % opacity for oil heater, 10% opacity for vibrating screener.**
3. Basis for Emissions Cap Code: **Rule**
4. Facility Pollutant Comment (limit to 400 characters): **Facility subject to NSPS, 40 CFR 60 subpart 000**

Facility Pollutant Detail Information: Pollutant _**2, 3, 4, & 5**____ of ___**5**___

1. Pollutant Emitted: **SO2, NOx, CO, VOC**
2. Requested Emissions Cap: **20 % Opacity from baghouse, and heater exhausts.**
3. Basis for Emissions Cap Code: **Rule**
4. Facility Pollutant Comment (limit to 400 characters): **Fuel oil analyses will be kept on record for every load of fuel oil delivered to this facility.**

E. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements for All Applications

1. Area Map Showing Facility Location: [X] Attached, Document ID: I [ ] Not Applicable [ ] Waiver Requested
2. Facility Plot Plan: [X] Attached, Document ID: II [ ] Not Applicable [ ] Waiver Requested
3. Process Flow Diagram(s): [X] Attached, Document ID: III [ ] Not Applicable [ ] Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: [X] Attached, Document ID: IV [ ] Not Applicable [ ] Waiver Requested
5. Detailed description of Control Equipment: [X] Attached, Document ID: V [Not Applicable [ ] Waiver Requested
6. Supplemental Information for Construction Permit Application: [ ] Attached, Document ID: _____ [X] Not Applicable

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through L 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. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

A. TYPE OF EMISSIONS UNIT (Regulated and Unregulated Emissions Units)

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one:

[X] The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.

[ ] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

2. Single Process, Group of Processes, or Fugitive Only? Check one:

[X] 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).

[ ] 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.

[ ] 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.

B. GENERAL EMISSIONS UNIT INFORMATION
(Regulated and Unregulated Emissions Units)

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): **250 tph Bituma Construction Equipment Company (BCE) drum mix asphalt plant fired by #5 "on-specification" oil with a 0.5% sulfur limit, with #2 distillate oil with a 0.5% sulfur limit being an alternate fuel. Emissions controlled by a primary dry cyclone separator followed by a BCE Model 400 baghouse system.**		
2. Emissions Unit Identification Number: [ ] No Corresponding ID [ ] Unknown **ID: 001**		
3. Emissions Unit Status Code: **Active**	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: **2951**
6. Emissions Unit Comment (limit to 500 characters): **The emissions generated in the drying drum of this asphalt plant are controlled by a BCE primary cyclone separator. This separator recycles and returns 50% of the dust emissions generated in the drum back to the aggregate/recycle mixing zone. The primary collector is followed by a BCE Model 400 baghouse system rated at 66,000 ACFM and 99% efficient by the manufacturer.**		

Emissions Unit Control Equipment

A.

1. Description (limit to 200 characters): **The emissions generated in the drying drum of this asphalt plant are controlled by a BCE primary cyclone separator. This separator recycles and returns 50% of the dust emissions generated in the drum back to the aggregate/recycle mixing zone. The primary collector is followed by a BCE Model 400 baghouse system rated at 66,000 ACFM and 99% efficient by the manufacturer.**
2. Control Device or Method Code: **101**

C. EMISSIONS UNIT DETAIL INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Details

1. Initial Startup Date: **NA – Plant is constructed**
2. Long-term Reserve Shutdown Date: **NA**
3. Package Unit: **Drum Mix Asphalt Plant w/Primary Collector and Baghouse System** Manufacturer: **Bituma Construction Equipment Company** Model Number: **Primary Collector/Baghouse, BCE Model 400**
4. Generator Nameplate Rating: **NA** MW
5. Incinerator Information: **NA** Dwell Temperature: °F Dwell Time: seconds Incinerator Afterburner Temperature: °F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: **138 MMBtu/hr (plant's burner system)**
2. Maximum Incineration Rate: lb/hr tons/day
3. Maximum Process or Throughput Rate: **Maximum of 250 ton/hr of hot mix asphaltic concrete and a maximum of 750 gallons/hr of #5 "on-specification" reclaimed oil burned by plant burner system.**
4. Maximum Production Rate: **250 tons/hr as hot mix asphaltic concrete.**
5. Operating Capacity Comment (limit to 200 characters): **Annual production at this facility will consist of the following:** **Total Tons of asphalt = maximum of 1 million tons** **Total Fuel Consumption by plant burner = 3 million gallons/yr** **Total Production Hours = Maximum of 4,000 of operation by plant's burner system** **Facility is a "synthetic minor" source. Emissions are less than 100 tons/yr. while total HAP's emissions are less than 25 tons/yr.**

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:	
24 hours/day	7 days/week
52 weeks/year	**not to exceed: 4,000** hours/year

D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

Rule Applicability Analysis (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

This facility is subject to NSPS and 40 CFR 60, subpart 000. This facility does not meet criteria of Title V "conditional exemption" in 62-210.300 (3), but is considered a "synthetic minor source" and is exempt from Title V permitting in accordance with EPA's definition.

E. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: **Baghouse Control System**
2. Emission Point Type Code: [X] 1 [ ] 2 [ ] 3 [ ] 4
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): **The emission point for this emissions unit consists of an exhaust stack exiting the baghouse control system.**
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: **001**
5. Discharge Type Code: [ ] D [ ] F [ ] H [ ] P [ ] R [X] V [ ] W
6. Stack Height: **30 feet**
7. Exit Diameter: **4 feet**
8. Exit Temperature: **300°F**

9. Actual Volumetric Flow Rate: ~**66,000 ACFM**
10. Percent Water Vapor : ~**30 %**
11. Maximum Dry Standard Flow Rate: ~**35,000 SCFM**
12. Nonstack Emission Point Height: feet
13. Emission Point UTM Coordinates: Zone: **17** East (km): **416.92** North (km): **2930.75**
14. Emission Point Comment (limit to 200 characters):

F. SEGMENT (PROCESS/FUEL) INFORMATION
(Regulated and Unregulated Emissions Units)

Segment Description and Rate: Segment __1___ of __1___

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters):

250 tph Bituma Construction Equipment Company (BCE) drum mix asphalt plant fired by #5 "on-specification" oil with a 0.5% sulfur limit, with #2 distillate oil with a 0.5% sulfur limit being an alternate fuel. Emissions controlled by a primary dry cyclone separator followed by a BCE Model 400 baghouse system.

2. Source Classification Code (SCC): **30500201**

3. SCC Units: **1,000 gallons burned**

4. Maximum Hourly Rate:	5. Maximum Annual Rate:
750 gal/hr max.	**3 million gal/yr max.**

6. Estimated Annual Activity Factor: **NA**

7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
0.50 % by weight max.	**< 0.01 % by weight**

9. Million Btu per SCC Unit: **0.138 MBTU**

10. Segment Comment (limit to 200 characters):

The emission factors contained in AP-42, table 11.1-8 for Drum Mix Asphalt Plants (1/95) show the same emission factors for both types of fuel oil that will be used by the plant's burner system at this facility.

G. EMISSIONS UNIT POLLUTANTS
(Regulated and Unregulated Emissions Units)

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM	**101**		**EL**
SO2	**101**		**EL, WP**
NOx	**101**		**NS**
CO	**101**		**NS**
VOC	**101**		**NS**

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Pollutant Detail Information:

1. Pollutant Emitted: **PM**

2. Total Percent Efficiency of Control: **99 %**

3. Potential Emissions: **10.00** lb/hour **20.00** tons/year

4. Synthetically Limited?
   [**X**] Yes [ ] No

5. Range of Estimated Fugitive/Other Emissions:
   [ ] 1 [ ] 2 [ ] 3 **0.0** to **0.0** tons/year

6. Emission Factor: **0.040 lb/ton**
   Reference: **AP-42 (Table 11.1-5)**

7. Emissions Method Code:
   [ ] 0 [ ] 1 [ ] 2 [**X**] 3 [ ] 4 [ ] 5

8. Calculation of Emissions (limit to 600 characters):

PM = (0.040 lb/ton)(250 ton/hr) = 10.00 lb/hr
PM year = (10.00 lb/hr)(4000 hr/yr) / 2,000 lb/ton = 20.00 tons/yr

9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):
The emission factors contained in AP-42, Table 11.1-8 for Drum Mix Asphalt Plants (1/95) show the same emission factors for both types of fuel oil that will be used by the plant's burner system at this facility.

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: **RULE - Emissions Unit subject to NSPS standards.**
2. Future Effective Date of Allowable Emissions: **NA**
3. Requested Allowable Emissions and Units: **0.04 grains/dscf**
4. Equivalent Allowable Emissions: **10.0** lb/hour **20.00** tons/year
5. Method of Compliance (limit to 60 characters): **Compliance will be achieved through initial and annual emissions compliance testing.**
6. Pollutant Allowable Emissions Comment (Desc. Of Related Operating Method/Mode) (limit to 200 characters):

B.

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

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Pollutant Detail Information:

1. Pollutant Emitted: **SO2**
2. Total Percent Efficiency of Control: **0%**
3. Potential Emissions: **14.00** lb/hour **28.00** tons/year
4. Synthetically Limited? [**X**] Yes [ ] No
5. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3 **_0.0___** to **__0.0____** tons/year
6. Emission Factor: **0.056 lb/ton** Reference: **AP-42 (Table 11.1-8)**
7. Emissions Method Code: [ ] 0 [ ] 1 [ ] 2 [**X**] 3 [ ] 4 [ ] 5
8. Calculation of Emissions (limit to 600 characters): **SO2 = (0.056 lb/ton)(250 ton/hr) = 14.00 lb/hr** **SO2 year = (14.00 lb/hr)(4000 hr/yr) / 2,000 lb/ton = 28.00 tons/yr**
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters): **The emission factors contained in AP-42, Table 11.1-8 for Drum Mix Asphalt Plants (1/95) show the same emission factors for both types of fuel oil that will be used by the plant's burner system at this facility.**

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: **RULE – Emissions subject to VE standards**
2. Future Effective Date of Allowable Emissions: **NA**
3. Requested Allowable Emissions and Units: **limit fuel to max. of 0.50 % sulfur by weight**
4. Equivalent Allowable Emissions: **14.00** lb/hour **28.00** tons/year
5. Method of Compliance (limit to 60 characters): **Compliance will be achieved through fuel oil analysis supplied with every load delivered and kept on record.**
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):

B.

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

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Pollutant Detail Information:

1. Pollutant Emitted: **NOx**

2. Total Percent Efficiency of Control: **0%**

3. Potential Emissions: **18.75** lb/hour **37.50** tons/year

4. Synthetically Limited?
   [**X**] Yes [ ] No

5. Range of Estimated Fugitive/Other Emissions:
   [ ] 1 [ ] 2 [ ] 3 **0.0** to **0.0** tons/year

6. Emission Factor: **0.075 lb/ton**
   Reference: **AP-42 (Table 11.1-8)**

7. Emissions Method Code:
   [ ] 0 [ ] 1 [ ] 2 [**X**] 3 [ ] 4 [ ] 5

8. Calculation of Emissions (limit to 600 characters):

NOx = (0.075 lb/ton)(250 ton/hr) = 18.75 lb/hr
NOx = (18.75 lb/hr)(4000 hr/yr) / 2,000 lb/ton = 37.50 ton/yr

9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):

The emission factors contained in AP-42, table 11.1-8 for Drum Mix Asphalt Plants (1/95) show the same emission factors for both types of fuel oil that will be used by the plant's burner system at this facility.

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: **RULE**
2. Future Effective Date of Allowable Emissions: **NA**
3. Requested Allowable Emissions and Units: **Emissions subject to VE standards**
4. Equivalent Allowable Emissions: **18.75 lb/hour 37.50 tons/year**
5. Method of Compliance (limit to 60 characters): **Compliance will be achieved through proper maintenance of asphalt plant burner and fuel oil analyses from the supplier.**

B.

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

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Pollutant Detail Information:

1. Pollutant Emitted: **CO**

2. Total Percent Efficiency of Control: **0%**

3. Potential Emissions: **9.00** lb/hour **18.00** tons/year

4. Synthetically Limited?
   [**X**] Yes [ ] No

5. Range of Estimated Fugitive/Other Emissions:
   [ ] 1 [ ] 2 [ ] 3 **0.0** to **0.0** tons/year

6. Emission Factor: **0.036 lb/ton**
   Reference: **AP-42 (Table 11.1-8)**

7. Emissions Method Code:
   [ ] 0 [ ] 1 [ ] 2 [**X**] 3 [ ] 4 [ ] 5

8. Calculation of Emissions (limit to 600 characters):

CO = (0.036 lb/ton)(250 ton/hr) = 9.00 lb/hr
CO year = (9.00 lb/hr)(4000 hr/yr) / 2,000 lb/ton = 18.00 ton/yr

9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):

The emission factors contained in AP-42, table 11.1-8 for Drum Mix Asphalt Plants (1/95) show the same emission factors for both types of fuel oil that will be used by the plant's burner system at this facility.

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: **RULE**
2. Future Effective Date of Allowable Emissions: **NA**
3. Requested Allowable Emissions and Units: **Emissions subject to VE standards**
4. Equivalent Allowable Emissions: **9.00** lb/hour **18.00** tons/year
5. Method of Compliance (limit to 60 characters): **Compliance will be achieved through proper maintenance of asphalt plant burner system and fuel oil analyses from the supplier.**
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):

B.

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

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Pollutant Detail Information:

1. Pollutant Emitted: **VOC**

2. Total Percent Efficiency of Control: **0%**

3. Potential Emissions: **17.25** lb/hour **34.50** tons/year

4. Synthetically Limited?
   [**X**] Yes [ ] No

5. Range of Estimated Fugitive/Other Emissions:
   [ ] 1 [ ] 2 [ ] 3 **0.0** to **0.0** tons/year

6. Emission Factor: **0.069 lb/ton**
   Reference: **AP-42 (Table 11.1-8)**

7. Emissions Method Code:
   [ ] 0 [ ] 1 [ ] 2 [**X**] 3 [ ] 4 [ ] 5

8. Calculation of Emissions (limit to 600 characters):

VOC = (0.069 lb/ton)(250 ton/hr) = 17.25 lb/hr
VOC year = (17.25 lb/hr)(4000 hr/yr) / 2,000 lb/ton = 34.50 ton/yr

6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):

The emission factors contained in AP-42, Table 11.1-8 for Drum Mix Asphalt Plants (1/95) show the same emission factors for both types of fuel oil that will be used by the plant's burner system at this facility.

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: **RULE**
2. Future Effective Date of Allowable Emissions: **NA**
3. Requested Allowable Emissions and Units: **Emissions subject to VE standards**
4. Equivalent Allowable Emissions: **17.25** lb/hour **34.50** tons/year
5. Method of Compliance (limit to 60 characters): **Compliance will be achieved through proper maintenance of asphalt plant burner system and fuel oil analyses from the supplier.**
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):

B.

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

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Visible Emissions Limitation: Visible Emissions Limitation __1____ of __2____

1. Visible Emissions Subtype: **VE20**
2. Basis for Allowable Opacity: [**X**] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **20%** Exceptional Conditions: **20%** Maximum Period of Excess Opacity Allowed: **0 %** min/hour
4. Method of Compliance: **Compliance testing will be determined through annual compliance testing using EPA Method 9.**
5. Visible Emissions Comment (limit to 200 characters): **Regulated under 62-296.320**

Visible Emissions Limitation: Visible Emissions Limitation _____ of _____

1. Visible Emissions Subtype:
2. Basis for Allowable Opacity: [ ] 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):

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

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):	

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	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):	

K. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION
(Regulated and Unregulated Emissions Units)

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

   If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

   [ ] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

   [ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

   [ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

   [ ] For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

   [X] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

2. Increment Consuming for Nitrogen Dioxide?

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

[ ] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[**X**] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:			
PM	[ ] C	[ ] E	[**X**] Unknown
SO2	[ ] C	[ ] E	[**X**] Unknown
NO2	[ ] C	[ ] E	[**X**] Unknown

4. Baseline Emissions:		
PM	lb/hour	tons/year
SO2	lb/hour	tons/year
NO2		tons/year

5. PSD Comment (limit to 200 characters):

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION
(Regulated Emissions Units Only)

Supplemental Requirements for All Applications

1. Process Flow Diagram [**X**] Attached, Document ID:__**III**____[ ] Not Applicable [ ] Waiver Requested
2. Fuel Analysis or Specification [**X**] Attached, Document ID:___**VI**___[ ] Not Applicable [ ] Waiver Requested
3. Detailed Description of Control Equipment [**X**] Attached, Document ID:__**V**_____ [ ] Not Applicable [ ] Waiver Requested
4. Description of Stack Sampling Facilities [ ] Attached, Document ID:_____ [**X**] Not Applicable [ ] Waiver Requested
5. Compliance Test Report [ ] Attached, Document ID:_____ [**X**] Previously submitted, Date: **November 29, 2001**_____ [ ] Not Applicable
6. Procedures for Startup and Shutdown [ ] Attached, Document ID:_____ [**X**] Not Applicable
7. Operation and Maintenance Plan [ ] Attached, Document ID:_____ [**X**] Not Applicable
8. Supplemental Information for Construction Permit Application [ ] Attached, Document ID:_____ [**X**] Not Applicable
9. Other Information Required by Rule or Statute [ ] Attached, Document ID:_____ [**X**] Not Applicable

Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operation
[ ] Attached, Document ID:_____ [**X**] Not Applicable

11. Alternative Modes of Operation (Emissions Trading)
[ ] Attached, Document ID:_____ [**X**] Not Applicable

12. Identification of Additional Applicable Requirements
[ ] Attached, Document ID:_____ [**X**] Not Applicable

13. Compliance Assurance Monitoring Plan
[ ] Attached, Document ID:_____ [**X**] Not Applicable

14. Acid Rain Application (Hard-copy Required)

[ ] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))
Attached, Document ID:_____

[ ] Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)
Attached, Document ID:_____

[ ] New Unit Exemption (Form No. 62-210.900(1)(a)2.)
Attached, Document ID:_____

[ ] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)
Attached, Document ID:_____

[**X**] Not Applicable

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through L 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. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

A. TYPE OF EMISSIONS UNIT (Regulated and Unregulated Emissions Units)

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one:

[ ] The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.

[**X**] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

2. Single Process, Group of Processes, or Fugitive Only? Check one:

[**X**] 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).

[ ] 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.

[ ] 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.

B. GENERAL EMISSIONS UNIT INFORMATION
(Regulated and Unregulated Emissions Units)

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): **Gentec/Hy Way Model No. HGYO 200 oil heating system fired on #2 virgin diesel fuel with a maximum sulfur content of 0.5% by weight, rated at 2 MMBTU/hr, and used to heat liquid asphalt tanks and fuel oil supplied to the plant's burner system.**		
2. Emissions Unit Identification Number: [ ] No Corresponding ID [ ] Unknown **002**		
3. Emissions Unit Status Code: **ACTIVE**	4. Acid Rain Unit? [ ] Yes [**X**] No	5. Emissions Unit Major Group SIC Code: **2951**
6. Emissions Unit Comment (limit to 500 characters): **Emissions from oil heater using #2 distillate oil fuel with a 0.5% sulfur limit by weight; this is an existing emissions unit and will remain as is without change**		

Emissions Unit Control Equipment

A.

1. Description (limit to 200 characters): **Control by use of fuel with a maximum sulfur content of 0.5% by weight**
2. Control Device or Method Code: **None**

C. EMISSIONS UNIT DETAIL INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Details

1. Initial Startup Date: **NA – Plant is constructed**	
2. Long-term Reserve Shutdown Date: **NA**	
3. Package Unit: **Hot oil heating system** Manufacturer: **Gentec/Hy Way**	Model Number: **HGYO 200**
4. Generator Nameplate Rating: **NA**	
5. Incinerator Information: **NA**	
Dwell Temperature:	°F
Dwell Time:	seconds
Incinerator Afterburner Temperature:	°F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate : **2 MMBTU**		
2. Maximum Incineration Rate:	lb/hr	tons/day
3. Maximum Process or Throughput Rate: **10 gallons/hour**		
4. Maximum Production Rate: **10 gallons/hour**		
5. Operating Capacity Comment (limit to 200 characters):		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:
Unit operates continuously but cycles with high and low fires. Maximum fuel consumption is 10 gallons/hour
24 hours/day **7** days/week
52 weeks/year ***not to exceed:*** **8760** hours/year

D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

Rule Applicability Analysis (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

This emissions unit is subject to 62-296.310 FAC rules and regulations.

List of Applicable Regulations (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

NA	

E. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram:
   002 Oil Heater

2. Emission Point Type Code:
   [**X**] 1 [ ] 2 [ ] 3 [ ] 4

3. Descriptions of Emissions 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:
   [ ] D [ ] F [ ] H [ ] P
   [ ] R [**X**] V [ ] W

6. Stack Height: **~10 feet above ground level**

7. Exit Diameter: **~ 0.75 feet**

8. Exit Temperature: **~ 200 ° F.**

9. Actual Volumetric Flow Rate: **Unknown**
10. Percent Water Vapor : **~5%**
11. Maximum Dry Standard Flow Rate:
12. Nonstack Emission Point Height: feet
13. Emission Point UTM Coordinates: Zone: **17** East (km): **416.92** North (km): **2930.75**
14. Emission Point Comment (limit to 200 characters):

F. SEGMENT (PROCESS/FUEL) INFORMATION
(Regulated and Unregulated Emissions Units)

Segment Description and Rate: Segment __1___ of __1___

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): **Gentec/Hy Way Model No. HGYO 200 oil heating system fired on #2 virgin diesel fuel with a maximum sulfur content of 0.5% by weight, rated at 2 MMBTU/hr, and used to heat liquid asphalt tanks and fuel oil supplied to the plant's burner system. Emissions from the combustion of # 2 distillate oil.**	
2. Source Classification Code (SCC): **30500201**	
3. SCC Units: **1,000 gallons burned**	
4. Maximum Hourly Rate: **10 gallons/hour**	5. Maximum Annual Rate: **87,600 gallons/yr**
6. Estimated Annual Activity Factor: **NA**	
7. Maximum Percent Sulfur: **0.5%**	8. Maximum Percent Ash: < **0.01% by weight**
9. Million Btu per SCC Unit: **0.002**	
10. Segment Comment (limit to 200 characters): **Unit will be fired solely by #2 virgin diesel oil; the unit cycles from high to low fire dependent on heat needed.**	

G. EMISSIONS UNIT POLLUTANTS
(Regulated and Unregulated Emissions Units)

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
All pollutants below threshold			

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Pollutant Detail Information:

1. Pollutant Emitted: **PM**

2. Total Percent Efficiency of Control: **NA**

3. Potential Emissions: **0.02** lb/hour **0.09** tons/year

4. Synthetically Limited?
   [**X**] Yes [ ] No

5. Range of Estimated Fugitive/Other Emissions:
   [ ] 1 [ ] 2 [ ] 3 **0.0** to **0.0** tons/year

6. Emission Factor: **2 pounds/Kgallons**
   Reference: **AP-42 Section 1.3-4 through 1.3-4**

7. Emissions Method Code:
   [ ] 0 [ ] 1 [ ] 2 [**X**] 3 [ ] 4 [ ] 5

8. Calculation of Emissions (limit to 600 characters):
Emissions factor (lb/Kgal) X Fuel Usage Rate (Kgal/hr) = lbs/hr
lbs/hr X Max. Annual Operating Hours 1/2,000 tons/lb = tons/yr

2 lb/Kgal X 0.010 Kgal/hr = 0.02 lbs/hour

0.02 lbs/hr X 8760 hr/yr X 1/2,000 tons/lbs = 0.09 tons/yr

9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: **RULE – Emissions subject to opacity standards**
2. Future Effective Date of Allowable Emissions: **NA**
3. Requested Allowable Emissions and Units: **20% opacity**
4. Equivalent Allowable Emissions: **0.02** lb/hour **0.09** tons/year
5. Method of Compliance (limit to 60 characters): **Compliance achieved through proper maintenance of oil heating system, annual visible emissions testing, and fuel analysis provided by the supplier**
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):

B.

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

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Pollutant Detail Information:

1. Pollutant Emitted: **SO2**

2. Total Percent Efficiency of Control: **NA**

3. Potential Emissions: **0.007** lb/hour **0.03** tons/year

4. Synthetically Limited?
   [**X**] Yes [ ] No

5. Range of Estimated Fugitive/Other Emissions:
   [ ] 1 [ ] 2 [ ] 3 **0.0** to **0.0** tons/year

6. Emission Factor: **(142 X %S) lb/Kgal**
   Reference: **AP-42 Section 1.3-2 through 1.3-4**

7. Emissions Method Code:
   [ ] 0 [ ] 1 [ ] 2 [**X**] 3 [ ] 4 [ ] 5

9. Calculation of Emissions (limit to 600 characters):

Emissions factor (lb/Kgal) X Fuel Usage Rate (Kgal/hr) = lbs/hr
lbs/hr X Max. Annual Operating Hours 1/2,000 tons/lb = tons/yr

(142 X 0.5% S) lb/Kgal X 0.010 Kgal/hr = 0.007 lbs/hour

0.007 lbs/hr X 8760 hr/yr X 1/2,000 tons/lbs = 0.03 tons/yr

9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: **RULE – Emissions subject to opacity standards**
2. Future Effective Date of Allowable Emissions: **NA**
3. Requested Allowable Emissions and Units: **0.5% sulfur by weight**
4. Equivalent Allowable Emissions: **0.007** lb/hour **0.03** tons/year
5. Method of Compliance (limit to 60 characters): **Compliance will be achieved through fuel oil analysis of every load of fuel delivered to the plant, proper record keeping of the analyses, and proper maintenance of the burner system**
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):

B.

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

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Pollutant Detail Information:

1. Pollutant Emitted: **NOx**

2. Total Percent Efficiency of Control: **NA**

3. Potential Emissions: **0.20** lb/hour **0.88** tons/year

4. Synthetically Limited?
   [**X**] Yes [ ] No

5. Range of Estimated Fugitive/Other Emissions:
   [ ] 1 [ ] 2 [ ] 3 **0.0** to **0.0** tons/year

6. Emission Factor: **20 pounds/Kgallons**
   Reference: **AP-42 Section 1.3-4 through 1.3-4**

7. Emissions Method Code:
   [ ] 0 [ ] 1 [ ] 2 [**X**] 3 [ ] 4 [ ] 5

10. Calculation of Emissions (limit to 600 characters):

Emissions factor (lb/Kgal) X Fuel Usage Rate (Kgal/hr) = lbs/hr
lbs/hr X Max. Annual Operating Hours 1/2,000 tons/lb = tons/yr

20 lb/Kgal X 0.010 Kgal/hr = 0.20 lbs/hour

0.20 lbs/hr X 8760 hr/yr X 1/2,000 tons/lbs = 0.88 tons/yr

9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: **RULE**
2. Future Effective Date of Allowable Emissions: **NA**
3. Requested Allowable Emissions and Units: **Emissions subject to opacity standards**
4. Equivalent Allowable Emissions: **0.20** lb/hour **0.88** tons/year
5. Method of Compliance (limit to 60 characters): **Compliance will be achieved through fuel oil analysis of every load of fuel delivered to the plant, proper record keeping of the analyses, and proper maintenance of the burner system**
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):

B.

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

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Pollutant Detail Information:

1. Pollutant Emitted: **CO**

2. Total Percent Efficiency of Control: **0%**

3. Potential Emissions: **0.05** lb/hour **0.22** tons/year

4. Synthetically Limited?
   [**X**] Yes [ ] No

5. Range of Estimated Fugitive/Other Emissions:
   [ ] 1 [ ] 2 [ ] 3 **0.0** to **0.0** tons/year

6. Emission Factor: **5 pounds/Kgallons**
   Reference: **AP-42 Section 1.3-4 through 1.3-4**

7. Emissions Method Code:
   [ ] 0 [ ] 1 [ ] 2 [**X**] 3 [ ] 4 [ ] 5

11. Calculation of Emissions (limit to 600 characters):
Emissions factor (lb/Kgal) X Fuel Usage Rate (Kgal/hr) = lbs/hr
lbs/hr X Max. Annual Operating Hours 1/2,000 tons/lb = tons/yr

5 lb/Kgal X 0.010 Kgal/hr = 0.05 lbs/hour

0.05 lbs/hr X 8760 hr/yr X 1/2,000 tons/lbs = 0.22 tons/yr

9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: **RULE**
2. Future Effective Date of Allowable Emissions: **NA**
3. Requested Allowable Emissions and Units: **Emissions subject to opacity standards**
4. Equivalent Allowable Emissions: **0.05** lb/hour **0.22** tons/year
5. Method of Compliance (limit to 60 characters): **Compliance will be achieved through fuel oil analysis of every load of fuel delivered to the plant, proper record keeping of the analyses, and proper maintenance of the burner system**
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):

B.

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

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Pollutant Detail Information:

1. Pollutant Emitted: **VOC**

2. Total Percent Efficiency of Control: **0%**

3. Potential Emissions: **0.003** lb/hour **0.013** tons/year

4. Synthetically Limited?
   [**X**] Yes [ ] No

5. Range of Estimated Fugitive/Other Emissions:
   [ ] 1 [ ] 2 [ ] 3 **0.0** to **0.0** tons/year

6. Emission Factor: **0.252 pounds/Kgallons**
   Reference: **AP-42 Section 1.3-4 through 1.3-4**

7. Emissions Method Code:
   [ ] 0 [ ] 1 [ ] 2 [**X**] 3 [ ] 4 [ ] 5

12. Calculation of Emissions (limit to 600 characters):

Emissions factor (lb/Kgal) X Fuel Usage Rate (Kgal/hr) = lbs/hr
lbs/hr X Max. Annual Operating Hours 1/2,000 tons/lb = tons/yr

0.252 lb/Kgal X 0.010 Kgal/hr = 0.003 lbs/hour

0.003 lbs/hr X 8760 hr/yr X 1/2,000 tons/lbs = 0.013 tons/yr

9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: **RULE**
2. Future Effective Date of Allowable Emissions: **NA**
3. Requested Allowable Emissions and Units: **Emissions subject to opacity standard**
4. Equivalent Allowable Emissions: **0.003** lb/hour **0.013** tons/year
5. Method of Compliance (limit to 60 characters): **Compliance will be achieved through fuel oil analysis of every load of fuel delivered to the plant, proper record keeping of the analyses, and proper maintenance of the burner system**
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):

B.

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

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

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: **20%** Maximum Period of Excess Opacity Allowed: **None** min/hour
4. Method of Compliance: **Compliance testing will be determined through annual compliance testing using EPA Method 9.**
5. Visible Emissions Comment (limit to 200 characters): **Regulated under 62-296.320(4)(b)(1) – General Visible Emissions Standard**

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

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):	

K. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION
(Regulated and Unregulated Emissions Units)

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

   If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

   [ ] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

   [ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

   [ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

   [ ] For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

   [X] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

2. Increment Consuming for Nitrogen Dioxide?

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

[ ] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[X] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:			
PM	[ ] C	[ ] E	[X] Unknown
SO2	[ ] C	[ ] E	[X] Unknown
NO2	[ ] C	[ ] E	[X] Unknown

4. Baseline Emissions:		
PM	lb/hour	tons/year
SO2	lb/hour	tons/year
NO2		tons/year

5. PSD Comment (limit to 200 characters):

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION
(Regulated Emissions Units Only)

Supplemental Requirements for All Applications

1. Process Flow Diagram [**X**] Attached, Document ID: **III** [ ] Not Applicable [ ] Waiver Requested
2. Fuel Analysis or Specification [**X**] Attached, Document ID: **VI** [ ] Not Applicable [ ] Waiver Requested
3. Detailed Description of Control Equipment [**X**] Attached, Document ID: **V** [ ] Not Applicable [ ] Waiver Requested
4. Description of Stack Sampling Facilities [ ] Attached, Document ID: _____ [**X**] Not Applicable [ ] Waiver Requested
5. Compliance Test Report [ ] Attached, Document ID: _____ [ ] Previously submitted, Date: _____ [**X**] Not Applicable
6. Procedures for Startup and Shutdown [ ] Attached, Document ID: _____ [**X**] Not Applicable
7. Operation and Maintenance Plan [ ] Attached, Document ID: _____ [**X**] Not Applicable
8. Supplemental Information for Construction Permit Application [**X**] Attached, Document ID: **VI** [ ] Not Applicable
9. Other Information Required by Rule or Statute [ ] Attached, Document ID: _____ [**X**] Not Applicable

Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operation
[ ] Attached, Document ID:_____ [X] Not Applicable

11. Alternative Modes of Operation (Emissions Trading)
[ ] Attached, Document ID:_____ [X] Not Applicable

12. Identification of Additional Applicable Requirements
[ ] Attached, Document ID:_____ [X] Not Applicable

13. Compliance Assurance Monitoring Plan
[ ] Attached, Document ID:_____ [X] Not Applicable

14. Acid Rain Application (Hard-copy Required)

[ ] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))
Attached, Document ID:_____

[ ] Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)
Attached, Document ID:_____

[ ] New Unit Exemption (Form No. 62-210.900(1)(a)2.)
Attached, Document ID:_____

[ ] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)
Attached, Document ID:_____

[X] Not Applicable

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through L 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. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

A. TYPE OF EMISSIONS UNIT
(Regulated and Unregulated Emissions Units)

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one:

[ ] The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.

[**X**] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

2. Single Process, Group of Processes, or Fugitive Only? Check one:

[ ] 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).

[ ] 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.

[**X**] 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.

B. GENERAL EMISSIONS UNIT INFORMATION
(Regulated and Unregulated Emissions Units)

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): **BCE vibrating reclaimed asphalt screening unit used to screen and size reclaimed crushed asphalt to a desired size before rotary mixing drum of asphalt**		
2. Emissions Unit Identification Number: [ ] No Corresponding ID [ ] Unknown **003**		
3. Emissions Unit Status Code: **ACTIVE**	4. Acid Rain Unit? [ ] Yes [**X**] No	5. Emissions Unit Major Group SIC Code: **2951**
6. Emissions Unit Comment (limit to 500 characters): **This is an existing emissions unit and will remain as is without any changes.**		

Emissions Unit Control Equipment

A.

1. Description (limit to 200 characters): **All material crushed or ground by this emissions unit is coated with liquid asphalt; therefore, fugitive emissions from this unit are negligible.**
2. Control Device or Method Code: **None**

C. EMISSIONS UNIT DETAIL INFORMATION
(Regulated Emissions Units Only)

Emissions Unit Details

1. Initial Startup Date: **NA – Plant is constructed**	
2. Long-term Reserve Shutdown Date: **NA**	
3. Package Unit: **Vibrating material screener** Manufacturer: **BCE Company** Model Number: **RAP – 100**	
4. Generator Nameplate Rating: **NA**	
5. Incinerator Information: **NA**	
Dwell Temperature:	°F
Dwell Time:	seconds
Incinerator Afterburner Temperature:	°F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate :
2. Maximum Incineration Rate:b/hr tons/day
3. Maximum Process or Throughput Rate: **90 tons/hour**
4. Maximum Production Rate: **90 tons/hour**
5. Operating Capacity Comment (limit to 200 characters):

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:

- **Plant Operation Schedule :**

24 hours/day **7** days/week

52 weeks/year ***not to exceed:*** **4,000** hours/year

E. EMISSION POINT (STACK/VENT) INFORMATION
(Regulated Emissions Units Only)

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: **003 RAP Screener**
2. Emission Point Type Code: [ ] 1 [ ] 2 [ ] 3 [X] 4
3. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): **NA – Fugitive emissions point**
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: **NA**
5. Discharge Type Code: [ ] D [X] F [ ] H [ ] P [ ] R [ ] V [ ] W
6. Stack Height: ~**NA**
7. Exit Diameter: **NA**
8. Exit Temperature: **Ambient**

9. Actual Volumetric Flow Rate: **Unknown**
10. Percent Water Vapor : **~5%**
11. Maximum Dry Standard Flow Rate: **Unknown**
12. Nonstack Emission Point Height: ~ **12 feet** feet
13. Emission Point UTM Coordinates: Zone: **17** East (km): **416.92** North (km): **2930.75**
14. Emission Point Comment (limit to 200 characters): **This emissions point is subject to 40 CFR 60, subpart OOO**

F. SEGMENT (PROCESS/FUEL) INFORMATION
(Regulated and Unregulated Emissions Units)

Segment Description and Rate: Segment __1___ of __1___

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): **Fugitive emissions from vibrating screening unit; material handling emissions related to screening of reclaimed asphalt**
2. Source Classification Code (SCC): **30502510, 3050207**
3. SCC Units: **Tons of product**

4. Maximum Hourly Rate: **90 tons/hr**	5. Maximum Annual Rate: **360,000 tons/yr**
6. Estimated Annual Activity Factor: **NA**	
7. Maximum Percent Sulfur: **NA**	8. Maximum Percent Ash: **NA**
9. Million Btu per SCC Unit: **NA**	

10. Segment Comment (limit to 200 characters): **Fugitive emissions calculated at worst case scenario**

G. EMISSIONS UNIT POLLUTANTS
(Regulated and Unregulated Emissions Units)

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
All pollutants below threshold			

H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION
(Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Pollutant Detail Information:

1. Pollutant Emitted: **PM10, TSP**
2. Total Percent Efficiency of Control: **90%**
2. Potential Emissions: **PM10 - 0.22** lb/hour, **0.44** tons/year **TSP – 0.46** lb/hour, **0.97** tons/year
4. Synthetically Limited? [**X**] Yes [ ] No
5. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3 **0.0** to **0.0** tons/year
6. Emission Factor: **0.0024 lb/ton** Reference: **AP-42 Section (Table 11.19.2-2)**
7. Emissions Method Code: [ ] 0 [ ] 1 [ ] 2 [**X**] 3 [ ] 4 [ ] 5
Calculation of Emissions (limit to 600 characters): **PM10 – (90 tons/hr)(0.0024 lbs/ton) = 0.22 lbs/hour** **PM10 - 0.22 lbs/hr X 4000 hr/yr X 1/2,000 tons/lbs = 0.44 tons/yr** **TSP – (0.22 lb/hour)(2.1) = 0.46 lbs/hour** **TSP – (0.46 lb/hour)(2.1) = 0.97 tons/yr**
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: **RULE – Emissions subject to subpart OOO**
2. Future Effective Date of Allowable Emissions: **NA**
3. Requested Allowable Emissions and Units: **10% opacity**
3. Equivalent Allowable Emissions: **PM10 - 0.22** lb/hour, **0.44** tons/year **TSP – 0.46** lb/hour, **0.97** tons/yr
5. Method of Compliance (limit to 60 characters): **Compliance achieved through annual emissions testing**
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Visible Emissions Limitation: Visible Emissions Limitation __1____ of __1____

1. Visible Emissions Subtype: **VE10**
2. Basis for Allowable Opacity: **[X]** Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **10%** Exceptional Conditions: **10%** Maximum Period of Excess Opacity Allowed: **None** min/hour
4. Method of Compliance: **Compliance testing will be determined through annual compliance testing using EPA Method 9.**
5. Visible Emissions Comment (limit to 200 characters): **Regulated under 40 CFR 60, subpart OOO**

J. CONTINUOUS MONITOR INFORMATION
(Regulated Emissions Units Only)

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):	

K. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION
(Regulated and Unregulated Emissions Units)

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

   If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

   [ ] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.

   [ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.

   [ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

   [ ] For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

   [X] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

2. Increment Consuming for Nitrogen Dioxide?

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

[ ] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[ ] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

[X] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:			
PM	[ ] C	[ ] E	[X] Unknown
SO2	[ ] C	[ ] E	[X] Unknown
NO2	[ ] C	[ ] E	[X] Unknown

4. Baseline Emissions:		
PM	lb/hour	tons/year
SO2	lb/hour	tons/year
NO2		tons/year

5. PSD Comment (limit to 200 characters):

L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION
(Regulated Emissions Units Only)

Supplemental Requirements for All Applications

1. Process Flow Diagram [X] Attached, Document ID: **III** [ ] Not Applicable [ ] Waiver Requested
2. Fuel Analysis or Specification [X] Attached, Document ID: **VI** [ ] Not Applicable [ ] Waiver Requested
3. Detailed Description of Control Equipment [X] Attached, Document ID: **V** [ ] Not Applicable [ ] Waiver Requested
4. Description of Stack Sampling Facilities [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
5. Compliance Test Report [ ] Attached, Document ID:_____ [ ] Previously submitted, Date:_____ [X] Not Applicable
6. Procedures for Startup and Shutdown [ ] Attached, Document ID:_____ [X] Not Applicable
7. Operation and Maintenance Plan [ ] Attached, Document ID:_____ [X] Not Applicable
8. Supplemental Information for Construction Permit Application [X] Attached, Document ID: **VI** [ ] Not Applicable
9. Other Information Required by Rule or Statute [ ] Attached, Document ID:_____ [X] Not Applicable

Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operation
[ ] Attached, Document ID:_____ [X] Not Applicable

11. Alternative Modes of Operation (Emissions Trading)
[ ] Attached, Document ID:_____ [X] Not Applicable

12. Identification of Additional Applicable Requirements
[ ] Attached, Document ID:_____ [X] Not Applicable

13. Compliance Assurance Monitoring Plan
[ ] Attached, Document ID:_____ [X] Not Applicable

14. Acid Rain Application (Hard-copy Required)

[ ] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))
Attached, Document ID:_____

[ ] Repowering Extension Plan (Form No. 62-210.900(1)(a)1.)
Attached, Document ID:_____

[ ] New Unit Exemption (Form No. 62-210.900(1)(a)2.)
Attached, Document ID:_____

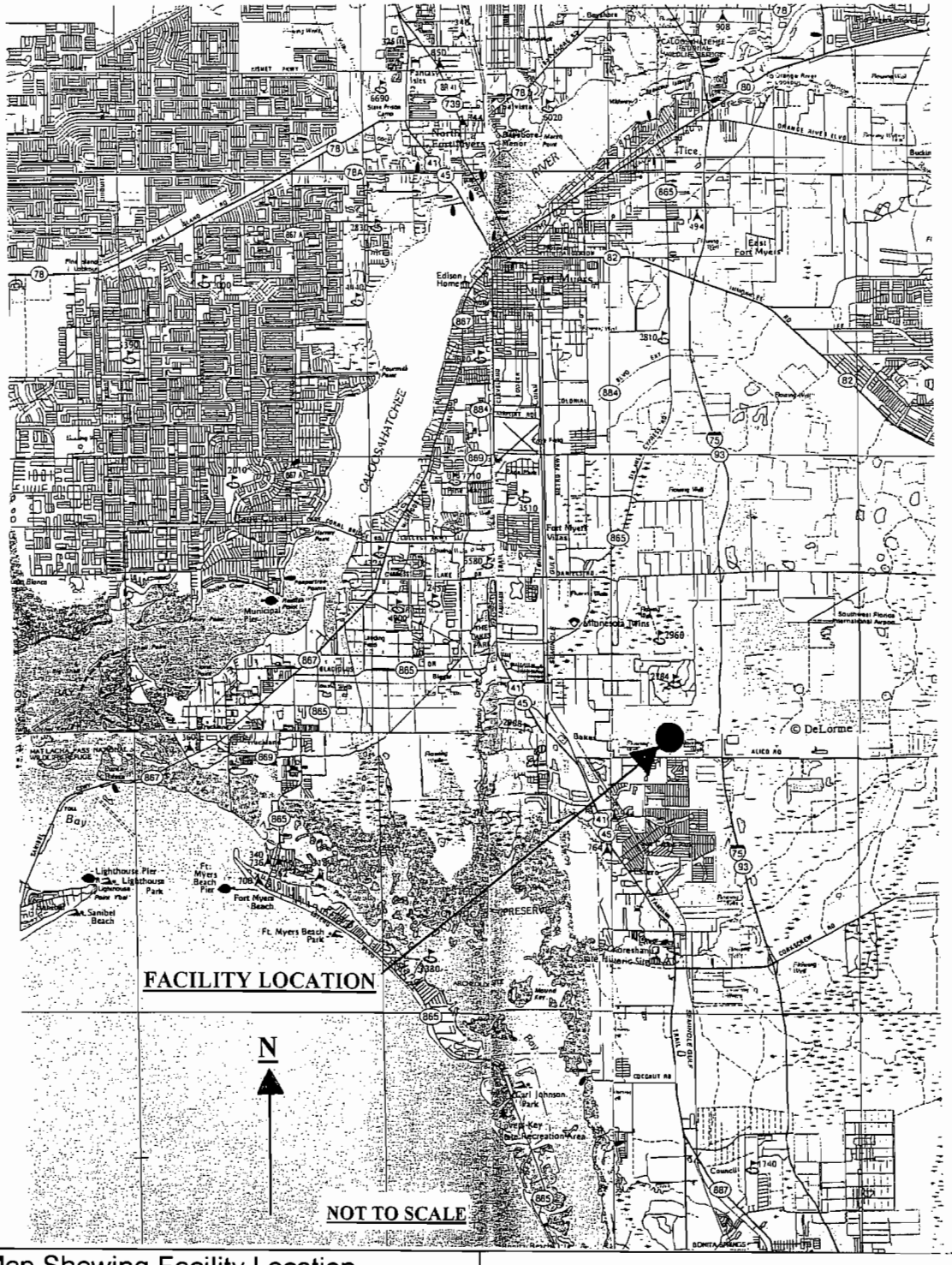
[ ] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)
Attached, Document ID:_____

[X] Not Applicable

DOCUMENT I

AREA MAP SHOWING FACILITY LOCATION

DOCUMENT I



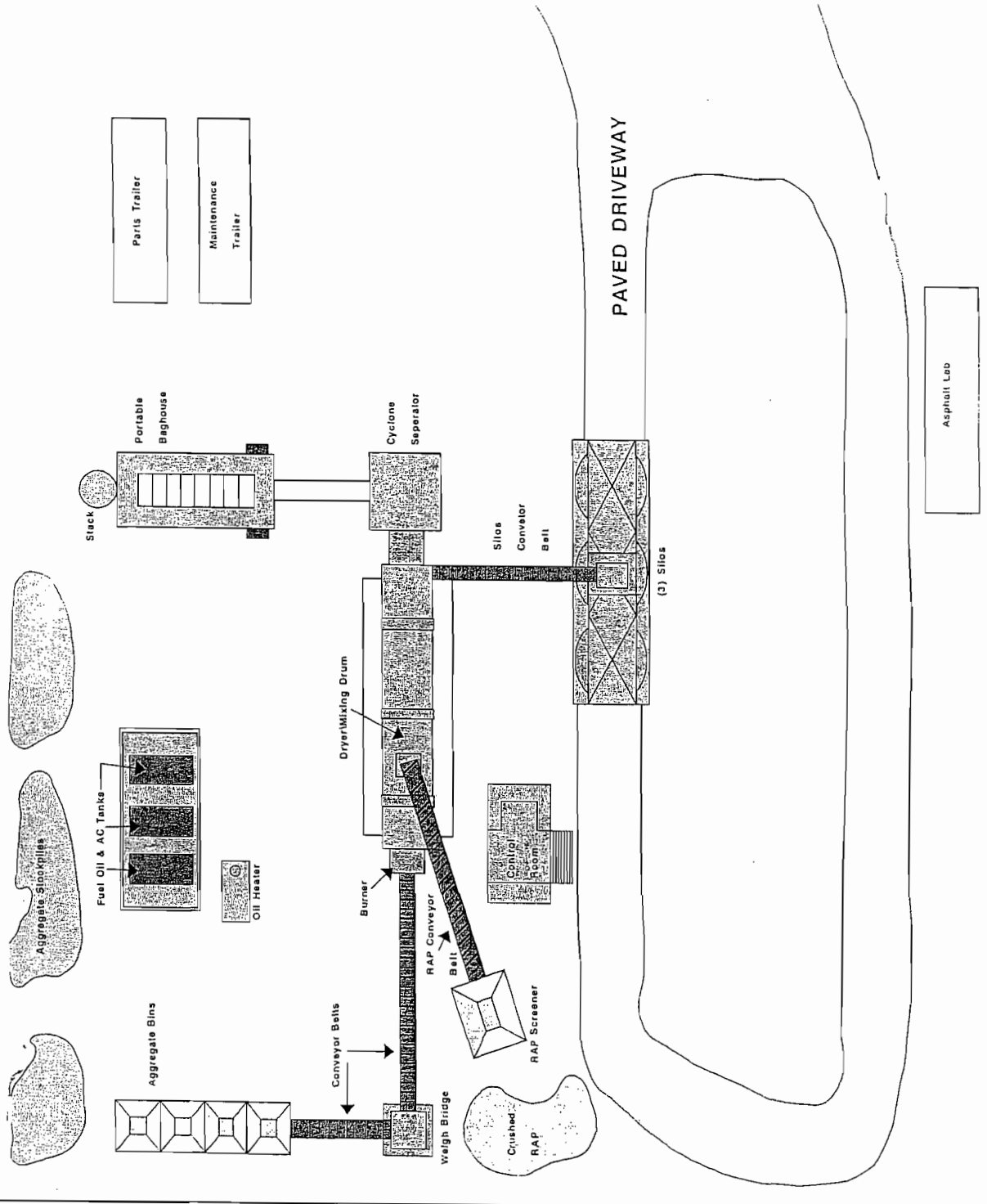
Area Map Showing Facility Location
Ajax Paving, Inc. – Fort Myers Facility
7100 Pennsylvania Street
Fort Myers, Florida 33912
Lat: 26 29 47, Long: 81 50 01

SOUTHERN ENVIRONMENTAL SCIENCES, INC.
1204 N. Wheeler Street
Plant City, Florida 33566-2354

DOCUMENT II

FACILITY PLOT PLAN

DOCUMENT II



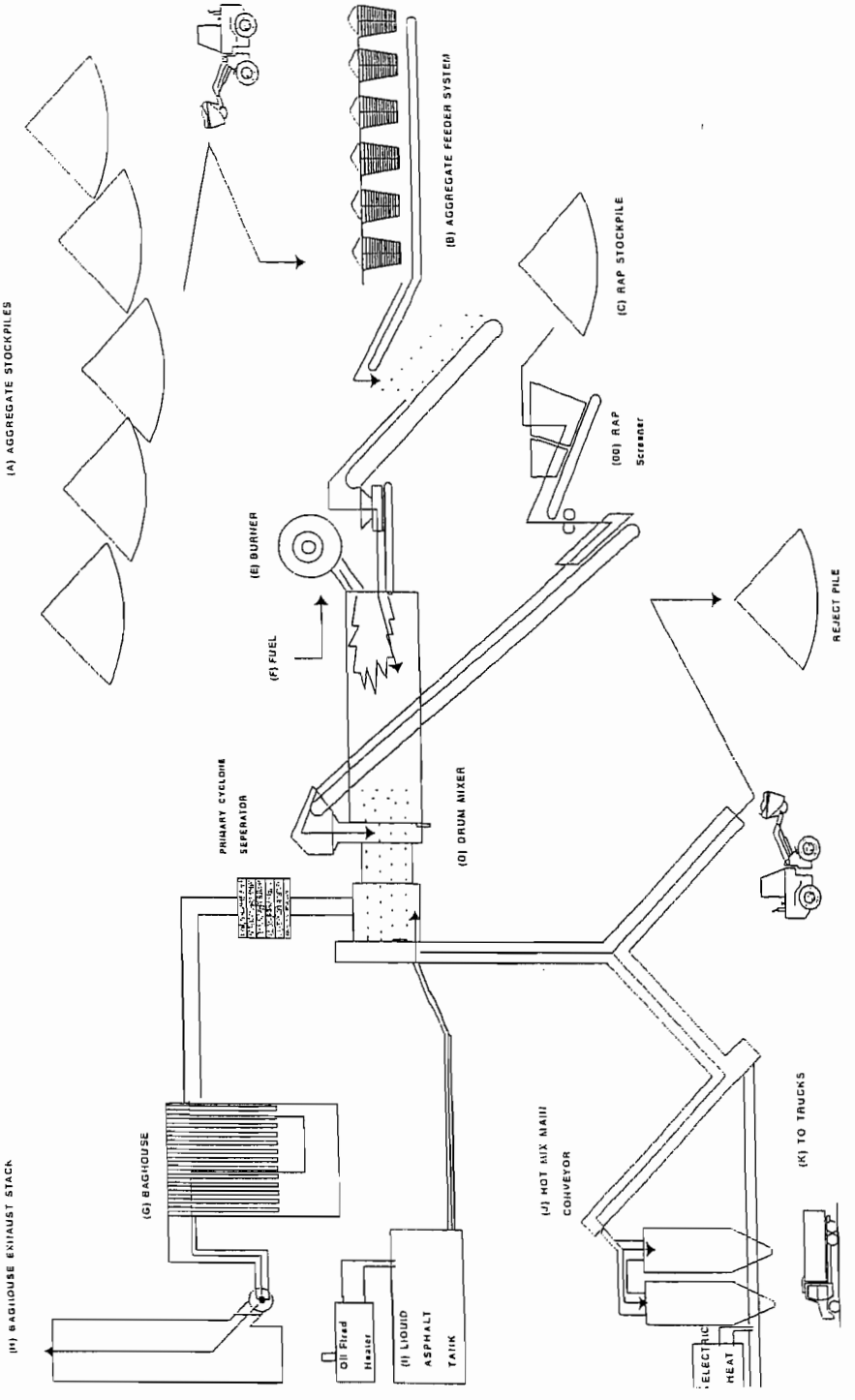
Facility Plot Plan
Ajax Paving, Inc. – Fort Myers Facility
7100 Pennsylvania Street
Fort Myers, Florida 33912
Lat: 26 29 47, Long: 81 50 01

SOUTHERN ENVIRONMENTAL SCIENCES, INC.
1204 N. Wheeler Street
Plant City, Florida 33566-2354

DOCUMENT III

PROCESS FLOW DIAGRAM

DOCUMENT III



Process Flow Diagram
Ajax Paving, Inc. – Fort Myers Facility
7100 Pennsylvania Street
Fort Myers, Florida 33912
Lat: 26 29 47, Long: 81 50 01

SOUTHERN ENVIRONMENTAL SCIENCES, INC.
1204 N. Wheeler Street
Plant City, Florida 33566-2354

DOCUMENT IV

PRECAUTIONS TO PREVENT EMISSIONS

OF

UNCONFINED PARTICULATE MATTER

PRECAUTIONS TO PREVENT EMISSIONS OF UNCONFINED PARTICULATE MATTER:

Emissions of particulate matter (PM) from the plant process stack will be limited by a BCE Model 400 baghouse which returns entrapped PM to the drum mixing zone. The control efficiency of the baghouse is rated at 99.9%; the unit has a maximum throughput rate of 66,000 ACFM.

Fugitive PM emissions from the loading/unloading areas, material stockpiles, and other site land surfaces will be controlled by water sprays from tanker trucks applied as-needed to suppress dust.

Fugitive PM emissions from site road surfaces generated by vehicular traffic will be limited by water spraying on an as-needed basis, and limiting vehicular speed to 5 mph.

DOCUMENT V

DETAILED DESCRIPTION OF CONTROL EQUIPMENT

AJAX PAVING INDUSTRIES, INC.

250 TPH – PORTABLE DRUM MIX ASPHALT PLANT

PORTABLE BCE MODEL 400 BAGHOUSE SYSTEM

OPERATING PARAMETERS

GAS FLOW RATE :	**66,000 ACFM**
STACK DIMENSIONS:	**48" diameter**
GAS STREAM VELOCITY:	**68.8 FT/SEC**
BAGHOUSE PRESSURE DROP :	**3.0 – 4.0 " Hg**
BAG MATERIAL :	**NOMEX (SPUN)**
GAS EXIT TEMPERATURE :	**300 °F**
AIR TO CLOTH RATIO :	**5.7 to 1**
STACK HEIGHT :	**30 FEET**
BAG CLEANING MECHANISM :	**REVERSE PULSE**
CLEANING FREQUENCY :	**10 SECONDS**
CLEANING DURATION :	**1/10th SECOND**
EFFICIENCY RATING :	**99.9 %**

PURCHASER'S NAME	QUOTATION NUMBER	DATE
	001636	July 15, 1985

QUANTITY	BCE PART/ MODEL NO.	DESCRIPTION	PRICE
1	BCE400	PORTABLE BAGHOUSE, 66,000 CFM	$282,000.

Cloth area: 11,580 sq. ft.
Air/cloth ratio: 5.7:1
Exhaust fan capacity: 66 MCF

Standard equipment includes:

A. 100% Nomex bags with snap band bag top
B. Cage with rolled flange top and built-in venturi
C. 40 HP 160 ACFM Sullair single stage air compressor in acoustically lined enclosure-mounted on trailer frame
D. High efficiency backward curved exhaust fan complete with 200 HP drive and exhaust stack-includes use of BCE provided stack for testing purposes
E. 30 HP 12 PSI Schwitzer blower-4" dia. air line with AR steel elbows
F. Drop through air lock with 1 HP A.C. drive
G. The following safety controls are furnished as standard equipment:
   1) Thermocouple is mounted in the doughnut duct section and is designed with two adjustable temperature limits.

      If exhaust temperature reaches the first high limit, the burner will automatically go to low fire and a warning light will come on at the operator's control station.

      If the exhaust temperature reaches the second high limit, fuel to the burner will be automatically shut off and an alarm will sound at the operator's control panel.

   2) The baghouse is also furnished with an infra-red fire detection system which is installed in the inlet section of the doughnut ductwork. This device will detect any spark or material that is on fire as well as detecting a fire in the baghouse. The fire detection system is designed to detect the source of fire on a timely basis and will automatically shut off the fan and close the fire door when activated.

PURCHASER'S NAME | QUOTATION NUMBER 001636 | DATE July 15, 1985

ITEM NO.	QUANTITY	BCE PART/ MODEL NO.	DESCRIPTION	PRICE
6		cont'd	3) The doughnut ductwork is furnished with an air-actuated fire door which opens each time the fan is started and closes each time the fan is shut down. It will also close upon signal from the infra-red fire detection system as noted above. The fire door is designed to operate on a daily basis, thus establishing reliability if ever required. Some competitive systems are electrically actuated and will fail to operate in an emergency if power is shut off. Field reports also indicate fire doors designed to operate only when there is an emergency often fail to operate when an emergency actually happens due to buildup on the door or other mechanical problems. H. Starting gear in a Nema 4 enclosure mounted on trailer frame I. Portability package complete with 5th wheel attachment, air brakes, taillights, and turn signals-Dayton style wheels with 10:00 by 20 tires J. Complete operating controls and electrical cables-S.O. type	

DOCUMENT VI

FUEL ANALYSIS OR SPECIFICATION

(941) 723-2263
ASTM MEMBER

REPORT OF LABORATORY ANALYSIS

LAB NO, ML 8504 SAMPLE MARKED: STK 407 after "Mekhanik Yuriya

SAMPLE DATE: 10-27-98 REPORT DATE: 10-27-98

LOCATION: Coastal Refining&Marketing Inc.-Port Manatee

SAMPLE SUBMITTED BY: Intertek Caleb Brett

SAMPLE DESCRIPTION: DIESEL HIGH SULFUR No. 2 Virgin

Typical Analysis

TEST	METHOD	RESULT
API GRAVITY AT 60 F	D1298	33.3
ACID NO.	D974	------
DENSITY, kg/L AT 15 C	D1298	858.2
FLASH PT, F, PMCC	D93	172
SEDIMENT & WATER, VOL.%	D2709	0
VISCOSITY AT 40 C cSt	D445	3.77
VISCOSITY AT 122 F,cSt	D445	3.05
S.U.S. VISCOSITY AT 100 F	D445	39.1
CLOUD PT., F	D2500	+10
POUR POINT, F	D97	0
SULFUR, WT.%	D4294	0.27
ASH, WT.%	D482	0.001
APPEARANCE	D4176	1-pass
B.T.U./ GAL. HHV/	D240	139953
DYE,PPM/PTB	DT-100	12.3/4.3
NITROGEN, PPM	D4629	-------
COMPATIBILITY, SPOT NO.	D4740	-------
CORROSION, COPPER	D130	1a
CCR 10% BOTTOMS WT.%	D189	0.05
CETANE INDEX, CALCULATED	D976	48
PARTICULATES, mg/L	D2276	7.7
ACCELERATED STABILITY	D2274	-------
DuPONT STABILITY	DuPont	2
DISTILLATION, IBP	D86	380
10% RECOVERED	D86	460
50% RECOVERED	D86	546
90% RECOVERED	D86	630
FINAL BOILING POINT	D86	688
RECOVERY	D86	99.0
RESIDUE	D86	1.0
LOSS	D86	0.0
TRACE METALS	AA	
ALUMINUM, PPM		<0.1
CALCIUM, PPM		<0.1
LEAD, PPM		<0.1
SODIUM, PPM		<0.1
VANADIUM, PPM		<0.1

BY Marie Calhoon
MARIE F. CALHOON, CHEMIST

HOWCO Environmental Services

RECEIVED
AUG 12 1998
PLANT # 2

Manifest #: 214728

CERTIFICATE OF ANALYSIS

TO: AJAX PAVING - Plant 2
FT. MYERS, FL.

FROM: HOWCO ENVIRONMENTAL SERVICES
843 43RD ST. SOUTH
ST. PETERSBURG, FL 33711

PHONE: 1-800-435-8467
DISPATCH: 1-800-872-6715

Typical Analysis

SAMPLE TYPE: FUEL OIL #5
BATCH : 1115, TANK- 125
DATE : August 12, 1998

PARAMETER	CONCENTRATION	UNIT	TEST METHOD
ARSENIC	< 1	PPM	EPASW-846(3050-7061)
CADMIUM	0.4	PPM	EPASW-846(3040-7130)
CHROMIUM	1.8	PPM	EPASW-846(3040-7190)
LEAD	72	PPM	EPASW-846(3040-7420)
SULFUR	0.47	%	ASTM D4294
FLASHPOINT (PMCC)	120	°F	ASTM D93
TOTAL HALOGENS	707	PPM	EPA SW-846 (9075)
SEDIMENT	0.4	%	ASTM D96
VISCOSITY, SAYBOLT	196/100	SSU/°F	ASTM D445
WATER	0.7	%	ASTM D95
API GRAVITY	29.2	60°F	ASTM D287
HEAT OF COMBUSTION	139K	BTU/GAL.	ASTM D240
SPECIFIC GRAVITY	0.8805	60°F	ASTM D1298
PCB'S	< 2	PPM	EPA SW-846 (8080)

Arsenic and PCB testing are performed on a monthly basis.
All analysis were performed in accordance with EPA, ASTM or other FDER approved procedures.

Quality Assurance Officer

REMARKS: 7.285 lbs/gallon

3701 Central Avenue - St. Petersburg, FL 33713 - Tel. 813-327-8467 Fax: 813-321-6213
Operations: Tampa Bay - Ocala - Ft. Myers - 24-Hour Emergency Access 1-800-435-8467