Southern Environmental Sciences, Inc.

1204 North Wheeler Street D Plant City, Florida 33566-2354 D (813) 752-5014 D 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 RECEIVED

AUG 05 2002

BUREAU OF AIR REGULATION

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\

cc

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

Mr. Jack Dahlmann, Ajax Paving Industries, Inc.

RECEIVED

AUG 05 2002

BUREAU OF AIR REGULATION

AJAX DAVING INDUSTRIES, INC. FORT MYERS ASPHALT PLANT

FDEP OPERATING PERMIT APPLICATION
JULY 24, 2002

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 Industrie	s, Inc.
2. Site Name:	
Ajax Paving Industries, I	nc. – Portable Plant
3. Facility Identification Number: 7770060	[] Unknown
4. Facility Location:	
Street Address or Other Locator: 7100 Penns	ylvania Street
City: Fort Myers County: Lee	Zip Code: 33912
5. Relocatable Facility?	6. Existing Permitted Facility?
[X] Yes [] No	[X] Yes [] No

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	8-5-02
2. Permit Number:	277 1/160-006-AD
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

Owner/Authorized Representative or Responsible Official

Organization/Firm: Ajax Paving Industries, Inc. Street Address: 510 Gene Green Road City: Nokomis State: Florida Zip Code: 34275 Owner/Authorized Representative or Responsible Official Telephone Numbers: Telephone: (941) 486-3600 Fax: (941) 486-3500 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	1.	Name and Title of Owner/Authorize	d Representative of	or Responsible Official:
Organization/Firm: Ajax Paving Industries, Inc. Street Address: 510 Gene Green Road City: Nokomis State: Florida Zip Code: 34275 Owner/Authorized Representative or Responsible Official Telephone Numbers: Telephone: (941) 486-3600 Fax: (941) 486-3500 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.		Mı	r. Jack Dahlmanı	n Div. Myr - Manuforting & Materia
Street Address: 510 Gene Green Road City: Nokomis State: Florida Zip Code: 34275 Owner/Authorized Representative or Responsible Official Telephone Numbers: Telephone: (941) 486-3600 Fax: (941) 486-3500 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.	2.	Owner/Authorized Representative or	r Responsible Offi	cial Mailing Address:
Owner/Authorized Representative or Responsible Official Telephone Numbers: Telephone: (941) 486-3600 Fax: (941) 486-3500 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.		Street Address: 510 Gene Green R	load	Zin Code: 34275
Telephone: (941) 486-3600 Fax: (941) 486-3500 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.				2.p 0040.01270
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.	3.		-	,
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.	4.	Owner/Authorized Representative or	r Responsible Offi	cial Statement:
		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 Date		11200 - NU		7-29-2002

* 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 "onspecification" 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.

Tŀ	iis	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.

	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:
Cate	
Th:-	egory III: All Air Construction Permit Applications for All Facilities and Emissions Units
ıms	
	Units
	Units Application for Air Permit is submitted to obtain: Air construction permit to construct or modify one or more emissions units within a facility
[]	Units 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).
[]	Units 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

Application Processing Fee
Check one:
[X] Attached - Amount: \$1,500.00 [] Not Applicable.
Construction/Modification Information
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
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

DEP Form No. 62-210.900(1) - Form

Effective: 3-21-96

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 $\mid X \mid$ 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 Date

(seal)

^{*} 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 Coor	dinates:	· · · · · · · · · · · · · · · · · · ·	
	Zone: 17 East (kn	n): 416.92	North (km): 2930.75	
2.	Facility Latitude/Lo	ongitude:		
	Latitude (DD/MM/	SS): 26°29'47"N	Longitude (DD/MM	/SS): 81° 50'01"W
3.	Governmental	4. Facility Status	5. Facility Major	6. Facility SIC(s):
	Facility Code:	Code:	Group SIC Code:	
	0	A	2951	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 "onspecification" 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

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

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Effective: 3-21-96

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	e?	
	[X] Yes	[] No Emissions less tha	an 100 tons/yr.
4.	Major Source of Pollutants O	ther than Hazardous Air Pollu	itants (HAPs)?
	[] Yes	[X] No	,
5.	Synthetic Minor Source of Po	ollutants Other than HAPs?	
	[X] Yes	[] No	
6.	Major Source of Hazardous A	Air Pollutants (HAPs)?	
	[] Yes	[X] No	
	Total regulated HAP's (fuel		
7	Synthetic Minor Source of H.		
	[X] Yes	[] No Total regulated B	IAPS 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 Desig	nation?	
	[] Yes	[X] No	
E	missions less than 100 tons/y	r. Total regulated HAP's (i	fuel oil) less than 25 tons/yr.
11.	Facility Regulatory Classificat	ions Comment (limit to 200 c	haracters):
(3)	is facility does not meet the but is considered a "synthe accordance with EPA's defin	etic minor source" and is ex	onal exemption" in 62-210.300 tempt from Title V permitting
Em less	Emissions from facility less than 100 tons/yr.; regulated total HAPs emissions (in fuel oil) less than 25 tons/yr.		

B. FACILITY REGULATIONS

<u>Rule Applicability Analysis</u> (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 "synthetic minor source" and is exempt from Title V permitting in accordance wit EPA's definition.		

C. FACILITY POLLUTANTS

Facility Pollutant Information

1. Pollutant Emitted	2. Pollutant Classification
РМ	В
SO2	SM
NOx	В
СО	В
VOC	В

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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
racinty subject to 14313, 40 CFR 60 Subpart 600
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:[] 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)

		, ,
Ty	⁄ p €	e of Emissions Unit Addressed in This Section
1.	R	egulated 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.	Si	ngle 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.

Emissions Unit Information Section1_ of3_					
	ERAL EMISSIONS UNIT IN				
(Regi	ılated and Unregulated Emis	sions Units)			
Emissions Unit Description	and Status				
1. Description of Emissions I	Juit Addressed in This Section	(limit to 60 characters):			
250 tph Bituma Construction	n Equipment Company (BC	(E) drum mix asphalt plant fired			
by #5 "on-specification" oil	with a 0.5% sulfur limit, w	rith #2 distillate oil with a 0.5%			
sulfur limit being an alter	nate fuel. Emissions contro	olled by a primary dry cyclone			
separator followed by a BCI	Model 400 baghouse system	l			
2. Emissions Unit Identificati ID: 001	on Number: [] No Corre	sponding ID [] Unknown			
3 Emissions Unit Status	4. Acid Rain Unit?	5. Emissions Unit Major			
Code:	[] Yes [X] No	Group SIC Code:			
Active		2951			
6 Emissions Unit Comment	limit to 500 characters):				
primary cyclone separator, emissions generated in the d	This separator recycles rum back to the aggregate/reCE Model 400 baghouse sys	alt plant are controlled by a BCE and returns 50% of the dust ecycle mixing zone. The primary tem rated at 66,000 ACFM and			

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:

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Effective: 3-21-96

Emissions Unit Information Section 1	ot –	3
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C. EMISSIONS UNIT DETAIL INFORMATION (Regulated Emissions Units Only)

Emissions Unit Details

1.	Initial Startup Date: NA – Plant is constru	cted	
2.	Long-term Reserve Shutdown Date: NA		
3.	Package Unit: Drum Mix Asphalt Plant w. Manufacturer: Bituma Construction Equi Model Number: Primary Collector/Baghou	ipment Company	,
4.	Generator Nameplate Rating: NA	MW	
5.	Incinerator Information: NA		
	Dwell Temperature:		°F
	Dwell Time:		seconds
	Incinerator Afterburner Temperature		٥F

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

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Emissions Unit Information Section	1	of	3	
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D. EMISSIONS UNIT REGULATIONS (Regulated Emissions Units Only)

<u>Rule Applicability Analysis</u> (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.	1

Emissions Unit Information Section ____1__ of ___3_

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] I [] 2 [] 3 [] 4
Tł	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 aghouse control system.
4.	ID Numbers or Descriptions of Emission Units with this Emission Point in Common:
	001
5.	Discharge Type Code: [] D
6.	Stack Height: 30 feet
7.	Exit Diameter: 4 feet
8.	Exit Temperature: 300°F

Emissions Unit Information Section ____1__ of ___3_

9. Actual Volumetric	Flow Rate: ~66,000 ACFM		,
10. Percent Water Va	por : ~30 %		
11. Maximum Dry Sta	andard Flow Rate: ~35,000 SCF	FM	
12 Nonstack Emissic	on Point Height:	feet	
13. Emission Point UT	ΓM Coordinates:		
Zone: 17	East (km): 416.92	North (km): 2930.75	

Emissions	Unit	Information	Section	1	of	3	

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

Segment Description and Rate: Segment __l__ of __l__

		<u> </u>				
1.	Segment Description (Process/Fuel Type an (limit to 500 characters):	d Associated Operating Method/Mode)				
by sul	#5 "on-specification" oil with a 0.5% su	ompany (BCE) drum mix asphalt plant fire alfur limit, with #2 distillate oil with a 0.5% ssions controlled by a primary dry cyclor house system.	%			
2.	Source Classification Code (SCC): 305002	01				
3.	SCC Units: 1,000 gallons burned	Library Astronomy				
4.	Maximum Hourly Rate: 750 gal/hr max.	5. Maximum Annual Rate: 3 million gal/yr max.				
6.	Estimated Annual Activity Factor: NA					
7.	Maximum Percent Sulfur: 0.50 % by weight max.	8. Maximum Percent Ash: < 0.01 % by weight				
9.	Million Btu per SCC Unit:					
	0.138 MBTU					
10.	Segment Comment (limit to 200 characters)	:				
(1/	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.					
		and the same of th				

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

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

Emissions	Unit	Information	Section	1	of	3

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

Pollutant Detail Information:

1.	Pollutant Emitted: PM	, <u>, , , , , , , , , , , , , , , , , , </u>
2.	Total Percent Efficiency of Control: 99	%
3.	Potential Emissions: 10.00 lb/hour	20.00 tons/year
4.	[X] Yes [] No	
5.	Range of Estimated Fugitive/Other Emis [] 1 [] 2 [
6.	Emission Factor: 0.040 lb/ton Reference: AP-42 (Table 11.1-5)	
7.	[]0 []1 []2	[X] 3 [] 4 [] 5
9. Ti		b/hr 00 lb/ton = 20.00 tons/yr

Emissions Unit Information Section 1 of 3 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): 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):

Effective: 3-21-96

Emissions Unit Information Section	1	of	3
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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
6.	Emission Factor: 0.056 lb/ton Reference: AP-42 (Table 11.1-8)
	Emissions Method Code: [] 0
S(C	Calculation of Emissions (limit to 600 characters): D2 = (0.056 lb/ton)(250 ton/hr) = 14.00 lb/hr D2 year = (14.00 lb/hr)(4000 hr/yr) / 2,000 lb/ton = 28.00 tons/yr
Th (1/5	Pollutant Potential/Estimated Emissions Comment (limit to 200 characters): e emission factors contained in AP-42, Table 11.1-8 for Drum Mix Asphalt Plants 95) show the same emission factors for both types of fuel oil that will be used by the ant's burner system at this facility.

Emissions Unit Information Section 1_ of __ 3 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): 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):

Emissions Unit Information Section	1	of	3
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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
	Emission Factor: 0.075 lb/ton Reference: AP-42 (Table 11.1-8)
7. 	Emissions Method Code: [] 0
8.	Calculation of Emissions (limit to 600 characters):
	Ox = (0.075 lb/ton)(250 ton/hr) = 18.75 lb/hr Ox = (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):
(1/9	e emission factors contained in AP-42, table 11.1-8 for Drum Mix Asphalt Plants 95) show the same emission factors for both types of fuel oil that will be used by the nt's burner system at this facility.

Emissions Unit Information Section ____1__ of ___3__

Allowable Emissions (Pollutant identified on front of page)

A
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):

E2 * *	TT 14	T C	0	_		_
Lmissions	Unit	Information	Section	1	ot	3

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			
6.	Emission Factor: 0.036 lb/ton Reference: AP-42 (Table 11.1-8)			
	Emissions Method Code: [] 0			
CO	Calculation of Emissions (limit to 600 characters): O = (0.036 lb/ton)(250 ton/hr) = 9.00 lb/hr O 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):			
(1/9	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.			

Emissions Unit Information Section ____1__ of ___3__

Allowable Emissions (Pollutant identified on front of page)

s subject to VE standards
00 tons/year
ompliance will be achieved through em and fuel oil analyses from the
elated Operating Method/Mode) (limit
tons/year
elated Operating Method/Mode)

Emissions Unit Information Section	1	of	3
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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
	Emission Factor: 0.069 lb/ton Reference: AP-42 (Table 11.1-8)
	Emissions Method Code: [] 0
V	Calculation of Emissions (limit to 600 characters): OC = (0.069 lb/ton)(250 ton/hr) = 17.25 lb/hr OC year = (17.25 lb/hr)(4000 hr/yr) / 2,000 lb/ton = 34.50 ton/yr
	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit 200 characters):
(1/9	e emission factors contained in AP-42, Table 11.1-8 for Drum Mix Asphalt Plants 95) show the same emission factors for both types of fuel oil that will be used by the nt's burner system at this facility.

Emissions Unit Information Section ____1_ of ___3_

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: Emi	ssions subject to	VE standards
4.	Equivalent Allowable Emissions: 17.25 lb/hour	34.50 tons/yea	r
pr	Method of Compliance (limit to 60 characters): oper maintenance of asphalt plant burner syspplier.	Compliance will tem and fuel oil a	oe achieved through nalyses from the
6. to	Pollutant Allowable Emissions Comment (Desc. 200 characters):	of Related Operat	ing Method/Mode) (limit
		·	
В.			
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. (limit to 200 characters):	of Related Operati	ng Method/Mode)

Emissions	Unit	Information	Section	1	of	3
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I. VISIBLE EMISSIONS INFORMATION (Regulated Emissions Units Only)

<u>V1</u>	sible Emissions Limitation: Visible Emissions Limitation1 of2
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. co	Method of Compliance: Compliance testing will be determined through annual mpliance testing using EPA Method 9.
5.	Visible Emissions Comment (limit to 200 characters): Regulated under 62-296.320
Vis	sible Emissions Limitation: Visible Emissions Limitation of
	Visible Emissions Limitation: Visible Emissions Limitation of Visible Emissions Subtype:
1.	
2.	Visible Emissions Subtype:
2.	Visible Emissions Subtype: Basis for Allowable Opacity: [] Rule [] Other Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: %

Emissions	Unit Information Section	1	of	3
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J. CONTINUOUS MONITOR INFORMATION (Regulated Emissions Units Only)

1.	Parameter Code: NA	2. Pollutant(s):	
3.	CMS Requirement:	[] Rule	[] Other
4.	Monitor Information:	- 01, 10	
	Manufacturer:		
	Model Number:	Serial N	umber:
5.	Installation Date:		
6.	Performance Specification Test Date:		,
7.	Continuous Monitor Comment (limit to	200 characters):	·
I		·	
l i			
<u>Co</u>	ontinuous Monitoring System: Continu	ous Monitor	of
1.	Parameter Code:	2. Pollutant(s):	
3.	CMS Requirement:	[] Rule	[] Other
4.	Monitor Information:		
	Manufacturer:		
- _	Model Number:	Serial N	umber:
5.	Model Number:	Serial N	umber:
	Model Number:	Serial N	umber:
	Model Number: Installation Date: Performance Specification Test Date:		umber:
6.	Model Number: Installation Date:		umber:
6.	Model Number: Installation Date: Performance Specification Test Date:		umber:
6.	Model Number: Installation Date: Performance Specification Test Date:		umber:
6.	Model Number: Installation Date: Performance Specification Test Date:		umber:
6.	Model Number: Installation Date: Performance Specification Test Date:		umber:

Emissions Unit Information Section	1	of	3	
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1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

K. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION

(Regulated and Unregulated Emissions Units)

PSD Increment Consumption Determination

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.

Cł	iec	k 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.

Eı	Emissions Unit Information Section1_ of3_				
2.	Increment Consuming for Nitrog	gen Dioxide?			
	series of questions to make a pre	eliminary determina	nitrogen oxides, answer the following tion as to whether or not the emissions Check first statement, if any, that applies		
	[] The emissions unit address application, or has undergo emissions unit consumes in	one PSD review pre	undergoing PSD review as part of this eviously, for nitrogen dioxide. If so,		
	paragraph (c) of the definit F.A.C., and the emissions to	ion of "major sourd unit addressed in th	ssified as an EPA major source pursuant to ce of air pollution" in Chapter 62-213, is section commenced (or will commence) seline emissions are zero, and emissions		
	[] 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 emission 1988. If so, baseline emiss	ons unit began (or vions are zero, and e	will begin) initial operation after March 28, 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 [] Ĉ	[]E	[X] Unknown		
	SO2 [] C	[] E	[X] Unknown		
	NO2 [] C	[] E	[X] Unknown		
4.	Baseline Emissions:				
	PM SO2	lb/hour	tons/year		
	NO2	lb/hour	tons/year tons/year		
5.	_	actora):	tons/year		
J.	PSD Comment (limit to 200 characters):				

Emissions Uni	Information Section	1 of	3
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L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION (Regulated Emissions Units Only)

Supplemental Requirements for All Applications

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

Emissions	Unit	Information Section	1	of	3

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			

Emissions Unit Information Section	2	of	3
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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.	R	egulated 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.	S	ingle 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.

Emissions Unit Information Section	2	of	3
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B. GENERAL EMISSIONS UNIT INFORMATION (Regulated and Unregulated Emissions Units)

Emissions Unit Description and Status

	init Addressed in This Section (lin			
	HGYO 200 oil heating system			
with a maximum sulfur cont	ent of 0.5% by weight, rated a	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	on Number: [] No Correspo	onding ID [] Unknown		
002				
3. Emissions Unit Status	4. Acid Rain Unit?	5. Emissions Unit Major		
Code: ACTIVE	[] Yes [X] No	Group SIC Code:		
		2951		
6. Emissions Unit Comment (1	imit to 500 abaractors):			
,	,	0.50/ 16 1 1.1		
	ing #2 distillate oil fuel with a			
this is an existing emissions u	nit and will remain as is withou	ut change		
•				
				
Emissions Weit Control Engl				
Emissions Unit Control Equip	pment			
A				
A.				
1. Description (limit to 200 ch	aracters):			
Control by use of fuel with a maximum sulfur content of 0.5% by weight				
2. Control Device or Method (Code: None			
Taring Edition of Michiga	A TURK			

Emissions Unit Information Section 2 of 3

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

Emissions Unit Details

1.	Initial Startup Date: NA - Plant is constru	ıcted
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:	۰F
	Dwell Time:	seconds
	Incinerator Afterburner Temperature:	°F

Emissions Unit Operating Capacity

1.	Maximum Heat Input Rate: 2 M	MBTU	-
2.	Maximum Incineration Rate:	lb/hr	tons/day
3.	Maximum Process or Throughput	Rate: 10 gallons/hour	
4.	Maximum Production Rate: 10 ga	allons/hour	
5.	Operating Capacity Comment (lin	nit 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

Emissions Unit Information Section	2	of	3	
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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.					

2 01 5	Emissions	Unit	Information	Section		2	of	3
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<u>List of Applicable Regulations</u> (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

NA	

Emissions	Unit	Information	Section	2	of	3

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 NA
5.	Discharge Type Code: [] D
6.	Stack Height: ~10 feet above ground level
7.	Exit Diameter: ~ 0.75 feet
8.	Exit Temperature: ~ 200 ° F.

Emissions Unit Information Section ____2__ of ___3__

9. Actual Volumetric Flow Rate: Unknown		
10. Percent Water Vapor : ~5%		<u></u>
11. Maximum Dry Standard Flow Rate:	<u> </u>	
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):		
		:

Emissions Ui	nit Info	ormation	Section	2	of	3

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: 5. Maximum Annual Rate: 10 gallons/hour 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	Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
All pollutants below threshold			
TO SALE			

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	
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 X Max. Annual Operating Hours 1/2,000 tons/lb = 2 lb/Kgal X 0.010 Kgal/hr = 0.02 lbs/hour	= tons/yr
0.02 lbs/hr X 8760 hr/yr X 1/2,000 tons/lbs = 0.09 tons/ya	r
9. Pollutant Potential/Estimated Emissions Comment (limit	to 200 characters):

Emissions Unit Information Section 2 of 3 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): 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):

Emissions	Unit	Information	Section	2	of	3
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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
6.	Emission Factor: (142 X %S) lb/Kgal
	Reference: AP-42 Section 1.3-2 through 1.3-4
7.	Emissions Method Code:
	[] 0
	9. Calculation of Emissions (limit to 600 characters):
	nissions 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
(14	12 X 0.5% S) lb/Kgal X 0.010 Kgal/hr = 0.007 lbs/hour
0.0	07 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):

Emissions Unit Information Section ____2__ of ___3__

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
fue ana	Method of Compliance (limit to 60 characters): Compliance will be achieved through oil analysis of every load of fuel delivered to the plant, proper record keeping of the llyses, and proper maintenance of the burner system
6. to 2	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit 00 characters):
В.	
l.	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):
	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):

Emissions	Unit	Information	Section	2	of	3

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				
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):				

Emissions Unit Information Section	2	of	3
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H. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION (Regulated Emissions Units Only - Emissions Limited Pollutants Only)

Pollutant Detail Information:

	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 <u>0.0</u> to <u>0.0</u> 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				
0.0				

Emissions Unit Information Section 2_ of __3_ Allowable Emissions (Pollutant identified on front of page) 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): 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	11
2. Total Percent Efficiency of Control: 0%	
3. Potential Emissions: 0.003 lb/hour 0.013 tons/year	
4. Synthetically Limited? [X] Yes [] No	74
5. Range of Estimated Fugitive/Other Emissions: [] 1	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	[] 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)	:

Emissions Unit Information Section ____2_ of ___3_

Allowable Emissions (Pollutant identified on front of page)

Α.	
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
fue	Method of Compliance (limit to 60 characters): Compliance will be achieved through loil analysis of every load of fuel delivered to the plant, proper record keeping of the playses, and proper maintenance of the burner system
6.	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit 200 characters):
В.	
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):
	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):
	i

Emissions Unit Information Section 2 of 3

I. VISIBLE EMISSIONS INFORMATION (Regulated Emissions Units Only)

Emissions Unit Information Section	2	of _	3
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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):

Effective: 3-21-96

Emissions U	Init	Information	Section	2	of	3
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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.

Emissions Unit Information Section ___2 of ___3 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. 1 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. Increment Consuming/Expanding Code: PM] C] E [X] Unknown SO₂ 1 C] E [X] Unknown] C NO2] 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):

Effective: 3-21-96

Emissions	Unit	Information	Section	2	of	3

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: <u>VI</u> [] Not Applicable
9.	Other Information Required by Rule or Statute
	[] Attached, Document ID:[X] Not Applicable

Emissions Unit Information Section 2 of 3

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

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Emissions Unit Information Section	3	of	3
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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.	R	egulated 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.	Si	ingle 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.

Emissions Unit Information Se	ection 3 of 3
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B. GENERAL EMISSIONS UNIT INFORMATION (Regulated and Unregulated Emissions Units)

Emissions Unit Description and Status

BCE vibrating reclaimed a	nit Addressed in This Section (lir sphalt screening unit used t size before rotary mixing drum	o screen and size reclaimed			
Emissions Unit Identification 003	on Number: [] No Correspo	onding ID [] Unknown			
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 (I This is an existing emissions	imit to 500 characters): unit and will remain as is witho	out any changes.			
Emissions Unit Control Equipment					
A. Description (limit to 200 pl					
1. Description (limit to 200 ch	,				
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				

Emissions	Unit	Information Section	3	ρſ	3	
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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		ヿ
	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 Hoot Innut Data
1.	Maximum Heat Input Rate:
2.	Maximum Incineration Rate:b/hr tons/day
<u> </u>	
3.	Maximum Process or Throughput Rate: 90 tons/hour
<u> </u>	
4.	Maximum Production Rate: 90 tons/hour
5.	Operating Capacity Comment (limit to 200 characters):
	, , , , , , , , , , , , , , , , , , ,
1	

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

DEP Form No. 62-210.900(1) - Form

Effective: 3-21-96

Emissions	Unit Information Section	3	of	3	
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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
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
6.	Stack Height: ~NA
7.	Exit Diameter: NA
8.	Exit Temperature: Ambient

Emissions Unit Information Section ____3__ of ___3__

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					
	ŗ				

Emissions Unit Information Section	3	of	3	
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F. SEGMENT (PROCESS/FUEL) INFORMATION (Regulated and Unregulated Emissions Units)

Segment Description and Rate: Segment __1__ of __1__

1. Segment Description (Process/Fuel Type at (limit to 500 characters):	nd Associated Operating Method/Mode)			
Fugitive emissions from vibrating screening screening asphalt	gunit; material handling emissions related to			
2. Source Classification Code (SCC): 305025	510, 3050207			
3. SCC Units: Tons of product				
4. Maximum Hourly Rate: 90 tons/hr	5. Maximum Annual Rate:			
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 s	cenario			

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

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

Emissions Unit Information Section ____3__ of ___3__

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

Pollutant Detail Information:

l I.	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
	Emission Factor: 0.0024 lb/ton Reference: AP-42 Section (Table 11.19.2-2)
7.	Emissions Method Code: [] 0
	[]0 []1 []2 [X]3 []4 []5
PM PM TS	deculation of Emissions (limit to 600 characters): 110 - (90 tons/hr)(0.0024 lbs/ton) = 0.22 lbs/hour 110 - 0.22 lbs/hr X 4000 hr/yr X 1/2,000 tons/lbs = 0.44 tons/yr 12P - (0.22 lb/hour)(2.1) = 0.46 lbs/hour 12P - (0.46 lb/hour)(2.1) = 0.97 tons/yr
	Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):

Emissions Unit Information Section ____3__ of ___3__

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):

Emissions Unit Information Section __ 3 of 3

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

Emissions	Unit	Information	Section	3	οf	3	
222220010220		THEOR INTERCTORS	Dection		v.	•	

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:	Serial Patrioti
6.	Performance Specification Test Date:	
7.	Continuous Monitor Comment (limit to	200 characters):

Emissions	Unit	Information	Section	3	οſ	3	
	CHIL	IIIIVI IIIALIUII	Section	J	UI	J	

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.

DEP Form No. 62-210.900(1) - Form

Effective: 3-21-96

En	nissions Unit Information Section	13_ of3	
2.	Increment Consuming for Nitroge	n Dioxide?	
	series of questions to make a prelim	minary determinati	itrogen oxides, answer the following on as to whether or not the emissions Check first statement, if any, that applies
	[] The emissions unit addressed application, or has undergon emissions unit consumes increased.	e PSD review prev	indergoing PSD review as part of this iously, for nitrogen dioxide. If so,
	paragraph (c) of the definition F.A.C., and the emissions un	on of "major source nit addressed in this	sified as an EPA major source pursuant to of air pollution" in Chapter 62-213, section commenced (or will commence) eline emissions are zero, and emissions
	emissions unit began initial o	peration after Febr	sified as an EPA major source, and the mary 8, 1988, but before March 28, missions unit consumes increment.
	[] For any facility, the emission 1988. If so, baseline emission	is unit began (or wi ons are zero, and er	Il begin) initial operation after March 28, nissions unit consumes increment.
	In such case, additional analy	ysis, beyond the sco n emissions have o	pissions of the emissions unit are nonzero. ope of this application, is needed to ccurred (or will occur) after the baseline
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 chara	cters):	

DEP Form No. 62-210.900(1) - Form Effective: 3-21-96

Emissions Unit Information Section	3	of	3	
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L. EMISSIONS UNIT SUPPLEMENTAL INFORMATION (Regulated Emissions Units Only)

Supplemental Requirements for All Applications

1. I	Process Flow Diagram
	[X] Attached, Document ID: III [] Not Applicable [] Waiver Requested
· · ·	Fuel Analysis or Specification
	Fuel Analysis or Specification
l	[X] Attached, Document ID: VI [] Not Applicable [] Waiver Requested
3.]	Detailed Description of Control Equipment
	[X] Attached, Document ID: V [] Not Applicable [] Waiver Requested
	Description of Stack Sampling Facilities
į	Attached, Document ID: [X] Not Applicable [] Waiver Requested
	Compliance Test Report
	Attached, Document ID:
I	Previously submitted, Date:
Г	X] Not Applicable
ι	A J Not Applicable
6. I	Procedures for Startup and Shutdown
	Attached, Document ID: [X] Not Applicable
_	
7. (Operation and Maintenance Plan
[Attached, Document ID: [X] Not Applicable
	Supplemental Information for Construction Permit Application
[X] Attached, Document ID: VI [] Not Applicable
	Other Information Required by Rule or Statute
[] Attached, Document ID: [X] Not Applicable

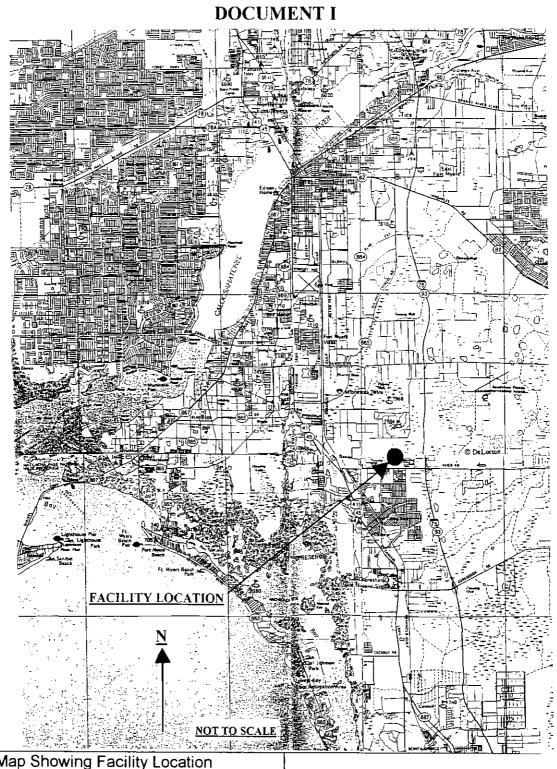
Emissions	Unit	Information Section	3	of	3	
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Additional Supplemental Requirements for Category I Applications Only

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
[23]
14. Acid Rain Application (Hard-copy Required)
[] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a))
Attached, Document ID:
Denovoring Extension Disc. (Fam. No. (2.210.000(1)(.)1.)
[] Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID:
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

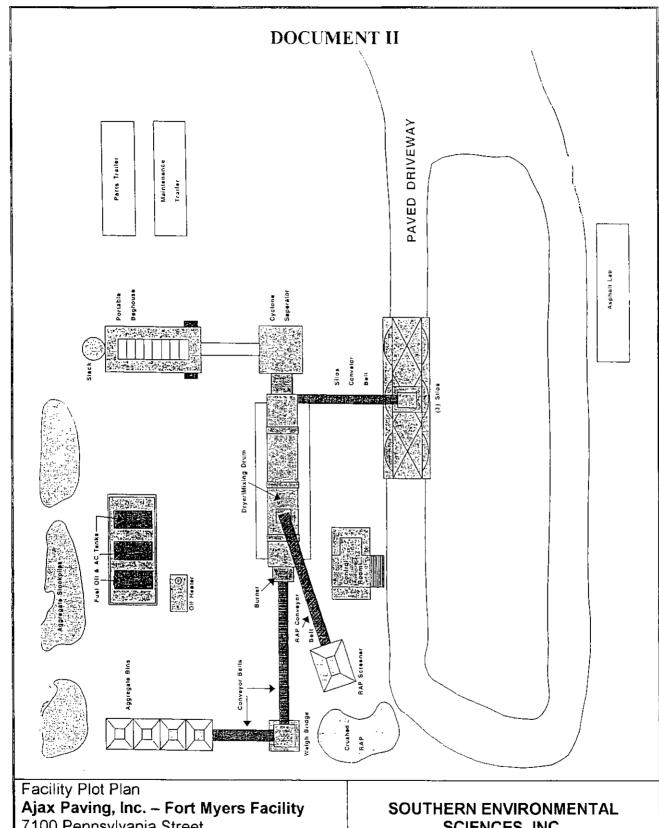


Area Map Showing Facility Location **Ajax Paving, Inc. – Fort Myers Facility**7100 Pennsylvania Street
Fort Myers, Florida 33912
Lat: 26 29 47, Long: 81 50 01

SOUTHERN ENVIRONMENTAL SCIENCES, INC.

1204 N. Wheeler Street Plant City, Florida 33566-2354 **DOCUMENT II**

FACILITY PLOT PLAN



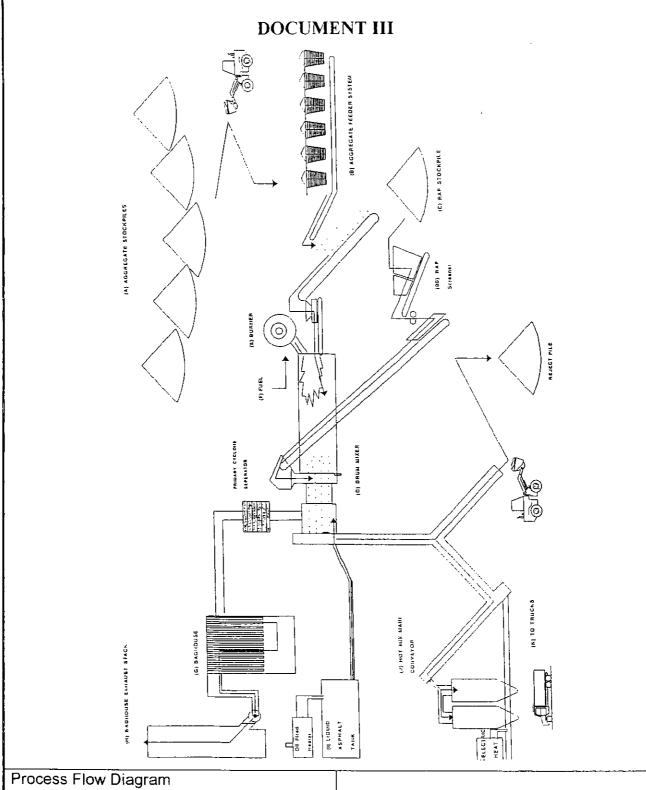
7100 Pennsylvania Street Fort Myers, Florida 33912 Lat: 26 29 47, Long: 81 50 01

SCIENCES, INC.

1204 N. Wheeler Street Plant City, Florida 33566-2354

DOCUMENT III

PROCESS FLOW DIAGRAM



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 %

	MARQUETTE, IOWA 52158	PAGE 7 OF 14	
CHASER'S NAME	QUOTATION NUMBER	DATE	_
	001636	July 15, 1985	;
OUANT BCE PART/ MODEL NO.	DESCRIPTION		PRICE
C1 Ai Ex St A. B. C.	oth area: '1T,580 sq. ft.' r/cloth ratio: 5.7:1 thaust fan capacity: 66 MCF andard equipment includes: 100% Nomex bags with snap band ba Cage with rolled flange top and b 40 HP 160 ACFM Sullair single sta acoustically lined enclosure-moun High efficiency backward curved e with 200 HP drive and exhaust sta provided stack for testing purpos 30 HP 12 PSI Schwitzer blower-4" AR steel elbows Drop through air lock with 1 HP A The following safety controls are equipment: 1) Thermocouple is mounted in the and is designed with two adjus If exhaust temperature reaches the burner will automatically warning light will come on at station. If the exhaust temperature real limit, fuel to the burner will off and an alarm will sound at panel. 2) The baghouse is also furnished detection system; which is inst section of the doughnut ductwo detect any spark or material th detecting a fire in the baghou system is designed to detect th timely basis and will automatic and close the fire door when a	g top uilt-in venturi ge air compressor in ted on trailer frame xhaust fan complete ck-includes use of BCE es dia. air line with .C. drive furnished as standard doughnut duct section table temperature limits. the first high limit, go to low fire and a the operator's control ches the second high be automatically shut the operator's control with an infra-red fire alled in the inlet rk. This device will' hat is on fire as well as se. The fire detection he source of fire on a cally shut off the fan	\$282,000.



730 BLUFF ROAD MARQUETTE, IOWA 52158

PAGE 8 OF 14

PURCHASER'S NAME

QUOTATION NUMBER

JRCHASER'S NAME	001636	July 15, 1985	
EM QUANT BCE PART/ D. ITY MODEL NO.	DESCRIPTION	Pf	RICE
6 cont'd 3) The doughnut ductwork is furnish fire door which opens each time closes each time the fan is shut close upon signal from the infra system as noted above. The fire door is designed to ope thus establishing reliability if competitive systems are electric fail to operate in an emergency Field reports also indicate fire operate only when there is an en operate when an emergency actual buildup on the door or other meditarting gear in a Nema 4 enclosure frame for a stability package complete with the lir brakes, taillights, and turn stables with 10:00 by 20 tires complete operating controls and electrons.	the fan is started and down. It will also dered fire detection derate on a daily basis, fever required. Some cally actuated and will if power is shut off. de doors designed to design fail t	

DOCUMENT VI

FUEL ANALYSIS OR SPECIFICATION

(941) 723-2263 ASTM MEMBER REPORT OF LABORATORY ANALYSIS

LAB NO, ML 8504	SAMPLE MARKED: STK 407 after Mekkantk Yuny			
SAMPLE DATE: 10-27-98	REPORT DATE: 10-27-98			
LOCATION: Coastal Refining	Marketing IncPort	Marketing IncPort Manatee		
SAMPLE SUBMITTED BY: Intertel	Caleb Brett			
SAMPLE DESCRIPTION:	DIESEL HIGH SULFUR	No. 2 VITAIN		
		TIPICOL		
TEST	METHOD	RESULT Janko		
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		



RECEIVED

AUG 1 2 1998

CERTIFICATE OF ANALYSIS

PLANT # 2

TO: AJAX PAVING - Plant 2

FT. MYERS, FL.

AMPLE TYPE: FUEL OIL #5

BATCH DATE

: 1115, TANK- 125 : August 12, 1998

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

Manifest #: 214728

PHONE:

1-800-435-8467

DISPATCH: 1-800-872-6715

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