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BUREAU OF AIR REGULATION

WHITE ROCK QUARRIES

Portable Recliamed Asphalt & Concrete Crushing Unit

FDEP Operation Permit Application

FDEP Construction Permit No. 7775081-001-AC

003 A0

NOVEMBER - 1999

Department of Environmental Protection

Division of Air Resources Management

APPLICATION FOR AIR PERMIT - NON-TITLE V SOURCE

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

I. APPLICATION INFORMATION

Identification of Facility

1. Facility Owner/Company Name: **Mr. Jim Hurley, Executive Vice President White Rock Quarries**	
2. Site Name: **WHITE ROCK QUARRIES – PORTABLE CRUSHING PLANT**	
3. Facility Identification Number: **7775081** [ ] Unknown	
4. Facility Location: **(Relocatable Plant – Current Location)** Street Address or Other Locator: **12030 Alico Road** City: **Ft. Myers** County: **Lee** Zip Code: **33913**	
5. Relocatable Facility? [X] Yes [ ] No	6. Existing Permitted Facility? [X] Yes [ ] No

Application Contact

1. Name and Title of Application Contact: **Mr. Bernard A. Ball, Jr., Environmental Engineer**	
2. Application Contact Mailing Address: Organization/Firm: **Central Florida Testing Laboratories, Inc.** Street Address: **12625 – 40th Street North** City: **Clearwater** State: **Florida** Zip Code: **33762**	
3. Application Contact Telephone Numbers: Telephone: **(727) 572-9797** Fax: **(727) 299-0023**	

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	
2. Permit Number:	

Purpose of Application

Air Operation Permit Application

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

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

[X] Initial non-Title V air operation permit for one or more newly constructed or modified emissions units.

Current construction permit number: **7775081-001-AC.**

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

Current construction permit number:_____

Operation permit number to be revised:_____

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

Current operation/construction permit number(s):

_____

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

Operation permit number to be revised:_____

Reason for revision:_____

Air Construction Permit Application

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

[ ] Air construction permit to construct or modify one or more emissions units.

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

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

Owner/Authorized Representative

1. Name and Title of Owner/Authorized Representative: **Mr. Jim Hurley, Executive Vice President**
2. Owner/Authorized Representative Mailing Address: Organization/Firm: **White Rock Quarries** Street Address: **Post Office Box 15065** City: **West Plam Beach** State: **Florida** Zip Code: **33416**
3. Owner/Authorized Representative Telephone Numbers: Telephone: **(561) 793-2102** Fax: **(561) 798-3778**
4. Owner/Authorized Representative Statement: *I, the undersigned, am the owner or authorized representative* of the facility addressed in this application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. I understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions unit.* Jim Hurley, Exec. Vice Pres. 11/18/99 Signature Date

* Attach letter of authorization if not currently on file.

Professional Engineer Certification

1. Professional Engineer Name: **Mr. George C. Sinn, Jr., P.E.** Registration Number: **16911**
2. Professional Engineer Mailing Address: Organization/Firm: **Central Florida Testing Laboratories, Inc.** Street Address: **12625 – 40th Street North** City: **Clearwater** State: **Florida** Zip Code: **33762**
3. Professional Engineer Telephone Numbers: Telephone: **(727) 572-9797** Fax: **(727) 299-0023**

4. Professional Engineer Statement:

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

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

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

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

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

Signature

11-15-99
Date

(seal)

- Attach any exception to certification statement.
- ***With the exception of production and efficiency guarantees by the manufacturer.***

Scope of Application

Emissions Unit ID	Description of Emissions Unit	Permit Type	Processing Fee
001	Bohringer, Model RC10 – raw material receiving hopper / vibrating grizzly feeder system used to feed uncrushed material to crusher.	AO2B	
002	Bohringer, Model RC10 – Under Crusher Discharge Pan / Discharge Belt – where material exits crushing unit to conveyor system	AO2B	
003	Drop Point from Crusher Discharge Belt to Pre-Screener Conveyor Belt	AO2B	
004	Drop point from Pre-Screener Screener Belt to Vibrating Screener Deck	AO2B	
005	Drop point from Vibrating Screener to Screened Material Discharge Belt	AO2B	
006	Drop point Screened Material Discharge Belt to Radial Stacker Belt No.1	AO2B	
007	Drop Radial Stacker Belt No.1 to Radial Stacker Belt No.2	AO2B	
008	Drop from Radial Stacker Belt No.1 or No.2 to stockpile	AO2B	
009	Caterpillar Inc. – 400 KVA, 320 kW generator set, fired on No.2 virgin diesel fuel with a sulfur limit of 0.5% by weight.	AO2B	

Application Processing Fee

Check one: [X] Attached - Amount: $ **1000.00** [ ] Not Applicable

Construction/Modification Information

1. Description of Proposed Project or Alterations:

This project consists of a "statewide" operation permit application for a Portable Bohringer Manufacturing Company, Inc. – Model RC10, Enclosed Crusher – Crushing, Screening and Aggregate Processing Plant recently purchased and refurbished by White Rock Quarries. This is a portable crushing unit and will be moved from site to site statewide, as needed, within the counties applied for and advertised in, to crush and process reclaimed asphalt and concrete materials. There will be no base or main location for this crushing unit as it will move from site to site in the counties applied for in the construction permit application. Any emissions that might be generated at various potential emission points throughout the crushing and conveying system will controlled by self-fabricated water spray bar and spray head systems located at potential fugitive emission points where deemed necessary throughout the reclaimed crushing and processing system.

This facility was built as stated in the FDEP Construction Permit submitted with no alterations made during the construction phase.

All stockpiles and roadways throughout different sites are the responsibility of the site that this company will be crushing for.

This facility is a natural non-Title V facility and as in the past will comply with all applicable FDEP air pollution rules and regulations.

2. Projected or Actual Date of Commencement of Construction: **Unknown**

3. Projected Date of Completion of Construction: **10-26-99 (first day of operation)**

Application Comment

This project consists of a "statewide" operation permit application for a Portable Bohringer Manufacturing Company, Inc. – Model RC10, Enclosed Crusher – Crushing, Screening and Aggregate Processing Plant recently purchased and refurbished by White Rock Quarries. This is a portable crushing unit and will be moved from site to site statewide, as needed, within the counties mentioned and applied for in the FDEP Construction Permit Application, to crush and process reclaimed asphalt and concrete materials. The will be no base or main location of this crushing unit as it will travel site to site at the locations in the counties listed in the construction permit application. Any emissions that might be generated at various potential emission points throughout the crushing and conveying system will controlled by self-fabricated water spray bar and spray head systems located at potential fugitive emission points where deemed necessary throughout the reclaimed crushing and processing system.

This facility was built as stated in the FDEP Construction Permit submitted with no alterations made during the construction phase.

All stockpiles and roadways throughout different sites are the responsibility of the site that this company will be crushing for.

This facility is a natural non-Title V facility and will comply with all applicable FDEP air pollution rules and regulations.

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1. Facility UTM Coordinates: **(Present Location other coordinates not known yet)** Zone: **17** East (km): **425.7 E** North (km): **2930.3 N**			
2. Facility Latitude/Longitude: Latitude (DD/MM/SS): **26°29'34" N** Longitude (DD/MM/SS): **81°44'43" W**			
3. Governmental Facility Code: **O**	4. Facility Status Code: **ACTIVE**	5. Facility Major Group SIC Code: **14**	6. Facility SIC(s): **1422**

This project consists of a "statewide" operation permit application for a Portable Bohringer Manufacturing Company, Inc. – Model RC10, Enclosed Crusher – Crushing, Screening and Aggregate Processing Plant recently purchased and refurbished by White Rock Quarries. This is a portable crushing unit and will be moved from site to site statewide, as needed, within the counties mentioned and applied for in the FDEP Construction Permit Application, to crush and process reclaimed asphalt and concrete materials. The will be no base or main location of this crushing unit as it will travel site to site at the locations in the counties listed in the construction permit application. Any emissions that might be generated at various potential emission points throughout the crushing and conveying system will controlled by self-fabricated water spray bar and spray head systems located at potential fugitive emission points where deemed necessary throughout the reclaimed crushing and processing system.

This facility was built as stated in the FDEP Construction Permit submitted with no alterations made during the construction phase.

All stockpiles and roadways throughout different sites are the responsibility of the site that this company will be crushing for.

This facility is a natural non-Title V facility and will comply with all applicable FDEP air pollution rules and regulations.

Facility Contact:

1. Name and Title of Facility Contact: **Mr. Jerry Kinkead, Plant Operations Supervisor**
2. Facility Contact Mailing Address: Organization/Firm: **White Rock Quarries** Street Address: **P.O. Box 15065** City: **West Palm Beach** State: **Florida** Zip Code: **33416**
3. Facility Contact Telephone Numbers: Telephone: **(561) 793-2102** Fax: **(561) 798-3778**

Facility Regulatory Classifications

Check all that apply:

1. [ ] Small Business Stationary Source?	[X] Unknown
2. [X] Synthetic Non-Title V Source? (**Emissions less than 100 ton/yr)**	
3. [X] Synthetic Minor Source of Pollutants Other than Haps?	
4. [X] Synthetic Minor Source of HAPs? (**Total HAP's less than 25 ton/yr)**	
5. [X] One or More Emissions Units Subject to NSPS?	
6. [ ] One or More Emission Units Subject to NESHAP Recordkeeping or Reporting?	
7. Facility Regulatory Classifications Comment (limit to 200 characters): This facility does not meet the criteria of Title V "conditional exemption" in 62-210.300 (3) but is considered a "synthetic minor source" and is exempt from Title V permitting in accordance with EPA's definition. **Emissions from facility less than 100 ton/year, regulated total HAPs emissions (in fuel oil) less than 25 ton/year.**	

Rule Applicability Analysis

This facility is subject to 40 CFR 60, subpart 000.

B. FACILITY POLLUTANTS

List of Pollutants Emitted

1. Pollutant Emitted	2. Pollutant Classif.	3. Requested Emissions Cap lb/hour	tons/year	4. Basis for Emissions Cap	5. Pollutant Comment
PM10	**B**	**NA**	**NA**	**RULE**	**FACILITY SUBJECT TO**
SO2	**B**	**NA**	**NA**	**RULE**	**VISIBLE EMISSION**
NOx	**B**	**NA**	**NA**	**RULE**	**LIMITATIONS ONLY**
CO	**B**	**NA**	**NA**	**RULE**	**AS STATED IN FDEP**
TOC	**B**	**NA**	**NA**	**RULE**	**CONSTRUCTION PERMIT**

C. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Area Map Showing Facility Location:
   [X] Attached, Document ID: __I____ [ ] Not Applicable [ ] Waiver Requested
   *** Present Location, other locations not determined as of yet**

2. Facility Plot Plan: **(TYPICAL PLOT PLAN SUBMITTED)**
   [X] Attached, Document ID: __II____ [ ] Not Applicable [ ] Waiver Requested
   *** Present Location, other locations may very with space available.**

3. Process Flow Diagram(s):
   [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested
   **** FDEP HAS ON FILE IN CONSTRUCTION PERMIT**

4. Precautions to Prevent Emissions of Unconfined Particulate Matter:
   [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested
   **** FDEP HAS ON FILE IN CONSTRUCTION PERMIT**

5. Supplemental Information for Construction Permit Application:
   [X] Attached, Document ID __III__ [ ] Not Applicable

6. Supplemental Requirements Comment:

EMISSIONS ID. NO. 001

RECEIVING HOPPER / VIBRATING FEEDER

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through L as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

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

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one:

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

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

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

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

[X] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

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

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): **Bohringer Machinery Company, Inc. - raw material receiving hopper / vibrating grizzly feeder system used to feed uncrushed material to crushing unit.**		
2. Emissions Unit Identification Number: [ ] No Corresponding ID [ ] Unknown		
3. Emissions Unit Status Code: **Operation**	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: **14**
6. Emissions Unit Comment (limit to 500 characters):		

Emissions Unit Control Equipment

A.

1. Description (limit to 200 characters): **The fugitive emissions generated by dumping of uncrushed material into raw material receiving hopper and vibration of material by grizzly feeder into crusher are controlled by wetting of material in stockpiles as needed to dampen the material to control any emissions generated in the grizzly feeder and crushing unit.**
2. Control Device or Method Code: **061, 099**

B.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

C.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

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

Emissions Unit Details

1. Initial Startup Date: **10/26/99 @ Alico Road Facility**	
2. Long-term Reserve Shutdown Date: **NOT APPLICABLE**	
3. Package Unit: **Raw Material Receiving Hopper / Vibrating Grizzly Feeder System** Manufacturer: **Bohringer Machinery Company, Inc.** Model No: **RC10**	
4. Generator Nameplate Rating:	MW
5. Incinerator Information:	
Dwell Temperature:	°F
Dwell Time:	seconds
Incinerator Afterburner Temperature:	°F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: **NONE**		mmBtu/hr
2. Maximum Incineration Rate: **NA**	lb/hr	tons/day
3. Maximum Process or Throughput Rate: **250 ton/hr as raw (uncrushed) reclaimed asphalt or concrete**		
4. Maximum Production Rate: **250 ton/hr as reclaimed crushed concrete or asphalt material.**		
5. Operating Capacity Comment (limit to 200 characters): **Dampened, uncrushed reclaimed concrete or asphalt material is fed into the material receiving hopper and grizzly feeder of the plant where any fugitive emissions generated are controlled by water spray heads mounted in the receiving hopper which sprays the material before it enters the grizzly feeder and crusher.**		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:			
	24 hours/day		**6** days/week
	52 weeks/year	***not to exceed:***	**3120** hours/year

D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

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

This facility will be subject to 40 CFR, Part 60, subpart 000.

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

62-212.200(56) FAC	
62-296.800 FAC	
40 CFR 60, Subpart 000	
62-296.310 (2) FAC	
62-297 FAC	
62-297.340 FAC	
62-297.350 FAC	
62-210.350 FAC	
Chapter 84-446, Section 3 (12) FS	
62-296.320 FAC	
62-296.310 (3) FAC	
40 CFR 60.11 (d)	
62-4 FAC	
62-210	

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:
Raw Material Receiving Hopper / Vibrating Grizzly Feeder

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

2. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):

Visible Emissions testing will be read in the vicinity of the receiving hopper / grizzly feeder area, probably above the receiving hopper.

4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:

NOT APPLICABLE

5. Discharge Type Code:
[ ] D [X] F [ ] H [ ] P
[ ] R [ ] V [ ] W

6. Stack Height: **NOT APPLICABLE** feet

7. Exit Diameter: feet

8. Exit Temperature: °F

9. Actual Volumetric Flow Rate: acfm

10. Percent Water Vapor : %
11. Maximum Dry Standard Flow Rate: dscfm
12. Nonstack Emission Point Height: ~ **15.0** feet
13. Emission Point UTM Coordinates: ***(for Alico Road location of crushing unit only, others not determined as of yet.)***   Zone: **17** East (km): **425.7** North (km): **2930.3**
14. Emission Point Comment (limit to 200 characters):   **Emissions Point will be fugitive only, if any emissions are generated at all.**

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

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): **Eagle Crusher Company, Inc. – Portable Crushing Unit – Raw Material Receiving Hopper / Vibrating Grizzly Feeder System. (Material Handling – Emissions related to vibrating and screening of reclaimed material)**	
2. Source Classification Code (SCC): **30502511**	
3. SCC Units: **tons product processed**	
4. Maximum Hourly Rate: **250 ton/hr**	5. Maximum Annual Rate: **780,000 ton/yr**
6. Estimated Annual Activity Factor: **NA**	
7. Maximum Percent Sulfur: **NA**	8. Maximum Percent Ash:
9. Million Btu per SCC Unit: **NA**	
10. Segment Comment (limit to 200 characters):	

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters):	
2. Source Classification Code (SCC):	
3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
9. Million Btu per SCC Unit:	
10. Segment Comment (limit to 200 characters):	

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM 10	**061**	**099**	**WP**
TSP	**061**	**099**	**WP**

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

Pollutant Detail Information: **Pollutant 1 of 1**

1. Pollutant Emitted: **PM_{10} , TSP**

2. Total Percent Efficiency of Control: **80 %**

3. Potential Emissions: **$PM10_{hourly}$ = 0.53 lb/hr** **$PM10_{yaerly}$ = 0.82 ton/yr**
TSP_{hourly} = 1.11 lb/hr **TSP_{yearly} = 1.72 ton/yr**

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

5. Range of Estimated Fugitive/Other Emissions:
[ ] 1 [ ] 2 [ ] 3 ___0___ to ___0___ tons/year

6. Emission Factor: **0.0021 lbs/ton**
Reference: **AP-42 (Table 11.19.2-2 controlled) and footnote © for TSP Emissions**

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

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

$PM10_{yearly}$ = [(250 ton/hr)(3120 hr/yr)(0.0021 lb/ton)] / (2000 lb/ton) = 0.82 ton/yr

$PM10_{hour}$ = [(250 ton/hr)(0.0021 lb/ton)] = 0.53 lb/hr

TSP_{yearly} = [(250 ton/hr)(3120 hr/yr)(0.0021 lb/ton)] (2.1) / (2000 lb/ton) = 1.72 ton/yr

TSP_{hour} = [(200 ton/hr)(0.0021 lb/ton)] (2.1) = 1.11 lb/hr

9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):
Raw Material Receiving Hopper / Grizzly Feeder – subject to subpart 000 rules and regulations.

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: **This facility will be subject to 40 CFR Part 60, Subpart 000 rules and regulations.**
2. Future Effective Date of Allowable Emissions: **Annual Visible Emissions Compliance Test**
3. Requested Allowable Emissions and Units: **< 5% Opacity**
4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance (limit to 60 characters): **Annual EPA Method 9 Compliance Testing.**
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):

B.

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

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Visible Emissions Limitation: Visible Emissions Limitation ___1___ of ___1___

1. Visible Emissions Subtype: **VE**
2. Basis for Allowable Opacity: [X] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **< 10 %** Exceptional Conditions: **< 10 %** Maximum Period of Excess Opacity Allowed: **0** min/hour
4. Method of Compliance: **Annual EPA Method 9 visible emission testing.**
5. Visible Emissions Comment (limit to 200 characters):

Visible Emissions Limitation: Visible Emissions Limitation _____ of _____

1. Visible Emissions Subtype:
2. Basis for Allowable Opacity: [ ] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour
4. Method of Compliance:
5. Visible Emissions Comment (limit to 200 characters):

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

Supplemental Requirements for All Applications

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

Additional Supplemental Requirements for Category I Applications Only

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

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

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

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

14. Acid Rain Application (Hard-copy Required)

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

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

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

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

[X] Not Applicable

EMISSIONS ID. NO. 002

DISCHARGE PAN/DISCHARGE BELT

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through L as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

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

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one:

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

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

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

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

[X] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

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

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): **Bohringer Machinery Company, Inc. – Under Crusher Gathering Hopper / Discharge Pan – where crushed material exits crushing unit to conveying system.**		
2. Emissions Unit Identification Number: [ ] No Corresponding ID [X] Unknown		
3. Emissions Unit Status Code: **Construction**	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: **14**
6. Emissions Unit Comment (limit to 500 characters):		

Emissions Unit Control Equipment

A.

3. Description (limit to 200 characters): **The fugitive emissions generated by crushing of material and this material being dropped into the Under Crusher Gathering Hopper / Discharge Pan to conveying system are controlled by water spray bar system mounted at discharge pan / conveying system area, used to dampen the material to control any emissions generated coming out of the crusher or being dropped into discharge pan or conveying system. The material that is to be crushed is also is dampened in it's stockpile as needed, as to control emissions in the crushing unit as well as any fugitives generated by prevailing winds.**
2. Control Device or Method Code: **061, 099**

B.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

C.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

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

Emissions Unit Details

1. Initial Startup Date: **10/26/99**	
2. Long-term Reserve Shutdown Date: **NOT APPLICABLE**	
3. Package Unit: **Discharge Pan/Belt** Manufacturer: **Bohringer Machinery Company, Inc.** Model No: **RC-10**	
4. Generator Nameplate Rating:	MW
5. Incinerator Information:	
Dwell Temperature:	°F
Dwell Time:	seconds
Incinerator Afterburner Temperature:	°F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: **NONE**		mmBtu/hr
2. Maximum Incineration Rate: **NA**	lb/hr	tons/day
3. Maximum Process or Throughput Rate: **250 ton/hr as raw (uncrushed) reclaimed asphalt or concrete**		
4. Maximum Production Rate: **250 ton/hr as reclaimed crushed concrete or asphalt material.**		
5. Operating Capacity Comment (limit to 200 characters): **The fugitive emissions generated by crushing of material and this material being dropped into the Under Crusher Discharge Pan / Belt to conveying system are controlled by water spray bar system mounted in the area of the discharge pan / conveying system, used to dampen the material to control any emissions generated coming out of the crusher or being dropped into discharge pan or conveying system.**		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:			
	24 hours/day		**6** days/week
	52 weeks/year	***not to exceed:***	**3120** hours/year

D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

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

This facility will be subject to 40 CFR, Part 60, subpart 000 rules and regulations.

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

62-212.200(56) FAC	
62-296.800 FAC	
40 CFR 60, Subpart 000	
62-296.310 (2) FAC	
62-297 FAC	
62-297.340 FAC	
62-297.350 FAC	
62-210.350 FAC	
Chapter 84-446, Section 3 (12) FS	
62-296.320 FAC	
62-296.310 (3) FAC	
40 CFR 60.11 (d)	
62-4 FAC	
62-210	

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: **Crusher Discharge Pan / Discharge Belt**
2. Emission Point Type Code: [ ] 1 [ ] 2 [ ] 3 [X] 4
4. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): **Visible Emissions will be determined in the area of discahrge pan, where material exits bottom of crusher.**
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: **NOT APPLICABLE**
5. Discharge Type Code: [ ] D [X] F [ ] H [ ] P [ ] R [ ] V [ ] W
6. Stack Height: **NOT APPLICABLE** feet
7. Exit Diameter: feet
8. Exit Temperature: °F

9. Actual Volumetric Flow Rate: acfm

10. Percent Water Vapor : %
11. Maximum Dry Standard Flow Rate: dscfm
12. Nonstack Emission Point Height: ~ **5.0** feet
13. Emission Point UTM Coordinates: ***(for Alico Road location of crushing unit only, others not determined as of yet.)***   Zone: **17** East (km): **425.7** North (km): **2930.3**
14. Emission Point Comment (limit to 200 characters):   **Emissions Point will be fugitive only, if any emissions are generated at all.**

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

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters): **Bohringer Machinery Company, Inc. – Portable Crushing Unit – Crusher Discharge Pan/Belt. (Material Handling - Emissions related to dropping material out of crusher onto belt.)**	
2. Source Classification Code (SCC): **30502511**	
3. SCC Units: **tons product processed**	
4. Maximum Hourly Rate: **250 ton/hr**	5. Maximum Annual Rate: **780,000 ton/yr**
6. Estimated Annual Activity Factor: **NA**	
7. Maximum Percent Sulfur: **NA**	8. Maximum Percent Ash:
9. Million Btu per SCC Unit: **NA**	
10. Segment Comment (limit to 200 characters):	

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters):	
2. Source Classification Code (SCC):	
3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
9. Million Btu per SCC Unit:	
10. Segment Comment (limit to 200 characters):	

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM 10	**061**	**099**	**WP**
TSP	**061**	**099**	**WP**

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

Pollutant Detail Information: **Pollutant 1 of 1**

1. Pollutant Emitted: **PM_{10} , TSP**

2. Total Percent Efficiency of Control: **80 %**

3. Potential Emissions: **$PM10_{hourly}$ = 0.53 lb/hr** **$PM10_{yaerly}$ = 0.82 ton/yr**
TSP_{hourly} = 1.11 lb/hr **TSP_{yearly} = 1.72 ton/yr**

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

5. Range of Estimated Fugitive/Other Emissions:
[ ] 1 [ ] 2 [ ] 3 ___0___ to ___0___ tons/year

6. Emission Factor: **0.0021 lbs/ton**
Reference: **AP-42 (Table 11.19.2-2 controlled) and footnote © for TSP Emissions**

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

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

$PM10_{yearly}$ = [(250 ton/hr)(3120 hr/yr)(0.0021 lb/ton)] / (2000 lb/ton) = 0.82 ton/yr

$PM10_{hour}$ = [(250 ton/hr)(0.0021 lb/ton)] = 0.53 lb/hr

TSP_{yearly} = [(250 ton/hr)(3120 hr/yr)(0.0021 lb/ton)] (2.1) / (2000 lb/ton) = 1.72 ton/yr

TSP_{hour} = [(200 ton/hr)(0.0021 lb/ton)] (2.1) = 1.11 lb/hr

9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):
Discharge Pan/Belt Emissions – subject to CFR40, subpart 000.

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: **This facility will be subject to 40 CFR Part 60, Subpart 000 rules and regulations.**
2. Future Effective Date of Allowable Emissions: **Annual Visible Emissions Compliance Test**
3. Requested Allowable Emissions and Units: **< 5% Opacity**
4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance (limit to 60 characters): **Annual EPA Method 9 Compliance Testing.**
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):

B.

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

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Visible Emissions Limitation: Visible Emissions Limitation ___1___ of ___1___

1. Visible Emissions Subtype: **VE**
2. Basis for Allowable Opacity: [X] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **< 10 %** Exceptional Conditions: **< 10 %** Maximum Period of Excess Opacity Allowed: **0** min/hour
4. Method of Compliance: **Annual EPA Method 9 visible emission testing.**
5. Visible Emissions Comment (limit to 200 characters):

Visible Emissions Limitation: Visible Emissions Limitation _____ of _____

1. Visible Emissions Subtype:
2. Basis for Allowable Opacity: [ ] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour
4. Method of Compliance:
5. Visible Emissions Comment (limit to 200 characters):

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

Supplemental Requirements for All Applications

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

Additional Supplemental Requirements for Category I Applications Only

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

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

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

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

14. Acid Rain Application (Hard-copy Required)

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

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

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

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

[X] Not Applicable

EMISSIONS ID. NO. 003

CRUSHER BELT TO PRE-SCREENER BELT

(DROP POINT)

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through L as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

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

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one:

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

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

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

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

[X] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

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

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): **Bohringer Machinery Company, Inc. – Crusher Discharge Conveying Belt to Pre-Screener Conveying Belt (drop point where material leaves Discharge conveying belt and drops to Pre-Screening Conveying Belt)**		
2. Emissions Unit Identification Number: [ ] No Corresponding ID [X] Unknown		
3. Emissions Unit Status Code: **Operation**	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: **14**
6. Emissions Unit Comment (limit to 500 characters):		

Emissions Unit Control Equipment

A.

5. Description (limit to 200 characters): **The fugitive emissions generated from the drop point where crushed material leaves the Crusher Discharge Belt Conveying System and is dropped onto the Pre-Screener Conveying Belt are controlled by water spray bar system mounted in the area discharge pan / discharge conveying system, on an as needed basis this spray bar system will be used to dampen the material to control any emissions generated coming out of the crusher or being dropped into discharge pan or conveying system. The material is also moistened enough as to control any emissions at the drop point mentioned above . The material that is to be crushed is also is dampened as needed, in it's stockpile as to control emissions in the crushing unit as well as any fugitives generated by prevailing winds.**
2. Control Device or Method Code: **061, 099**

B.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

C.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

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

Emissions Unit Details

1. Initial Startup Date: **10/26/99**	
2. Long-term Reserve Shutdown Date: **NOT APPLICABLE**	
3. Package Unit: **Crusher Discharge Belt and Pre-Screener Conveying Belt** Manufacturer: **Bohringer Machinery Company, Inc.** Model No: **RC10**	
4. Generator Nameplate Rating: MW	
5. Incinerator Information:	
Dwell Temperature:	°F
Dwell Time:	seconds
Incinerator Afterburner Temperature:	°F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: **NONE**		mmBtu/hr
2. Maximum Incineration Rate: **NA**	lb/hr	tons/day
3. Maximum Process or Throughput Rate: **250 ton/hr as raw (crushed) reclaimed asphalt or concrete**		
4. Maximum Production Rate: **250 ton/hr as reclaimed crushed concrete or asphalt material.**		
5. Operating Capacity Comment (limit to 200 characters): **The fugitive emissions generated by crushing of material and this material being dropped into the Discharge Pan/Discharge Belt to conveying system are controlled by water spray bar system mounted in the area of the discharge pan / crusher discharge conveying system, used to dampen the material to control any emissions generated coming out of the crusher or being dropped into discharge pan or conveying system and the drop point at the discharge belt to Pre-Screener Conveying System.**		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:		
24 hours/day		**6** days/week
52 weeks/year	***not to exceed*	**3120** hours/year

D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

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

This facility will be subject to 40 CFR, Part 60, subpart 000 rules and regulations.

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

62-212.200(56) FAC	
62-296.800 FAC	
40 CFR 60, Subpart 000	
62-296.310 (2) FAC	
62-297 FAC	
62-297.340 FAC	
62-297.350 FAC	
62-210.350 FAC	
Chapter 84-446, Section 3 (12) FS	
62-296.320 FAC	
62-296.310 (3) FAC	
40 CFR 60.11 (d)	
62-4 FAC	
62-210	

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:
Drop Point Crusher Discharge Belt and Pre-Screener Conveying System.

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

6. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):

Visible Emissions will be determined in the area of drop point, where material exits the crusher discharge belt and falls onto the Pre-Screener Conveying System.

4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:

NOT APPLICABLE

5. Discharge Type Code:
[ ] D [X] F [ ] H [ ] P
[ ] R [ ] V [ ] W

6. Stack Height: **NOT APPLICABLE** feet

7. Exit Diameter: feet

8. Exit Temperature: °F

9. Actual Volumetric Flow Rate: acfm

10. Percent Water Vapor : %
11. Maximum Dry Standard Flow Rate: dscfm
12. Nonstack Emission Point Height: ~ **10.0** feet
13. Emission Point UTM Coordinates: ***(for base/main location of crushing unit only, others not determined as of yet.)***   Zone: **17** East (km): **425.7** North (km): **2930.3**
14. Emission Point Comment (limit to 200 characters):   **Emissions Point will be fugitive only, if any emissions are generated at all.**

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): **Bohringer Machinery Company, Inc. – Portable Crushing Unit – Drop Point between Crusher discharge belt and Pre-Screener Conveying System. (Material Handling - Emissions related to conveying of reclaimed material).**
2. Source Classification Code (SCC): **30502511**
3. SCC Units: **tons product processed**

4. Maximum Hourly Rate: **250 ton/hr**	5. Maximum Annual Rate: **780,000 ton/yr**
6. Estimated Annual Activity Factor: **NA**	
7. Maximum Percent Sulfur: **NA**	8. Maximum Percent Ash:
9. Million Btu per SCC Unit: **NA**	
10. Segment Comment (limit to 200 characters):	

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters):	
2. Source Classification Code (SCC):	
3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
9. Million Btu per SCC Unit:	
10. Segment Comment (limit to 200 characters):	

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM10	**061**	**099**	**WP**
TSP	**061**	**099**	**WP**

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

Pollutant Detail Information: **Pollutant 1 of 1**

1. Pollutant Emitted: **PM_{10} , TSP**

2. Total Percent Efficiency of Control: **80 %**

3. Potential Emissions: **$PM10_{hourly}$ = 0.60 lb/hr** **$PM10_{yearly}$ = 0.94 ton/yr**
TSP_{hourly} = 1.26 lb/hr **TSP_{yearly} = 1.97 ton/yr**

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

5. Range of Estimated Fugitive/Other Emissions:
[ ] 1 [ ] 2 [ ] 3 **0** to **0** tons/year

6. Emission Factor: **0.0024 lbs/ton**
Reference: **AP-42 (Table 11.19.2-2 controlled) and footnote © for TSP Emissions**

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

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

$PM10_{yearly}$ = [(250 ton/hr)(3120 hr/yr)(0.0024 lb/ton)] / (2000 lb/ton) = 0.94 ton/yr

$PM10_{hour}$ = [(250 ton/hr)(0.0024 lb/ton)] = 0.60 lb/hr

TSP_{yearly} = [(250 ton/hr)(3120 hr/yr)(0.0024 lb/ton)] (2.1) / (2000 lb/ton) = 1.97 ton/yr

TSP_{hour} = [(250 ton/hr)(0.0024 lb/ton)] (2.1) = 1.26 lb/hr

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

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: **This facility will be subject to 40 CFR Part 60, Subpart 000 rules and regulations.**		
2. Future Effective Date of Allowable Emissions: **Annual Visible Emissions Compliance Test**		
3. Requested Allowable Emissions and Units: **< 10% Opacity**		
4. Equivalent Allowable Emissions:	lb/hour	tons/year
5. Method of Compliance (limit to 60 characters): **Annual EPA Method 9 Compliance Testing.**		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):		

B.

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

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Visible Emissions Limitation: Visible Emissions Limitation ___1___ of ___1___

1. Visible Emissions Subtype: **VE**
2. Basis for Allowable Opacity: **[X]** Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **< 10 %** Exceptional Conditions: **< 10 %** Maximum Period of Excess Opacity Allowed: **0** min/hour
4. Method of Compliance: **Annual EPA Method 9 visible emission testing.**
5. Visible Emissions Comment (limit to 200 characters):

Visible Emissions Limitation: Visible Emissions Limitation _____ of _____

1. Visible Emissions Subtype:
2. Basis for Allowable Opacity: [ ] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour
4. Method of Compliance:
5. Visible Emissions Comment (limit to 200 characters):

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

Supplemental Requirements for All Applications

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

Additional Supplemental Requirements for Category I Applications Only

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

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

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

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

14. Acid Rain Application (Hard-copy Required)

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

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

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

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

[X] Not Applicable

EMISSIONS ID. NO. 004

PRE-SCREENER BELT TO VIBRATING SCREENER

(DROP POINT)

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through L as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

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

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one:

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

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

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

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

[X] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

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

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): **Bohringer Machinery Company, Inc. – Pre-Screener Conveying Belt to Vibrating screener system (drop point from Pre-Screener Conveying System to Vibrating Screener)**		
2. Emissions Unit Identification Number: [ ] No Corresponding ID [X] Unknown		
3. Emissions Unit Status Code: **Construction**	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: **14**
6. Emissions Unit Comment (limit to 500 characters):		

Emissions Unit Control Equipment

A.

7. Description (limit to 200 characters): **The fugitive emissions generated from this drop point where crushed material leaves the Pre-Screener Conveying Belt and drops onto the vibrating screening system is controlled by the water spray bar system as needed, mounted in the area discharge pan / conveying system. This material is still moist enough as to cause little to no fugitive emissions at this drop point. The material that is to be crushed is also is dampened as needed, in it's stockpile as to control emissions in the crushing unit as well as any fugitives generated by prevailing winds.**
2. Control Device or Method Code: **061, 099**

B.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

C.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

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

Emissions Unit Details

1. Initial Startup Date:	**ASAP**
2. Long-term Reserve Shutdown Date:	**NOT APPLICABLE**
3. Package Unit: **Pre-Screener Conveying System to Vibrating Screener (Drop Point)** Manufacturer: **Bohringer Machinery Company, Inc.** Model No: **RC10**	
4. Generator Nameplate Rating: MW	
5. Incinerator Information:	
Dwell Temperature:	°F
Dwell Time:	seconds
Incinerator Afterburner Temperature:	°F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: **NONE** mmBtu/hr
2. Maximum Incineration Rate: **NA** lb/hr tons/day
3. Maximum Process or Throughput Rate: **250 ton/hr as raw (crushed) reclaimed asphalt or concrete**
4. Maximum Production Rate: **250 ton/hr as reclaimed crushed concrete or asphalt material. (dependent on screen size at the time)**
5. Operating Capacity Comment (limit to 200 characters): **The fugitive emissions generated from this drop point where crushed material leaves the Pre-Screener Conveying System and is dropped to the Vibrating Screener is controlled by the water spray bar system on a as needed basis, mounted in the area of the discharge pan / conveying system. This material is still moist enough as to cause little to no fugitive emissions at this drop point. The material that is to be crushed is also is dampened as needed, in it's stockpile as to control emissions in the crushing unit as well as any fugitives generated by prevailing winds.**

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:			
	24 hours/day		**6** days/week
	52 weeks/year	***not to exceed***	**3120** hours/year

D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

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

This facility will be subject to 40 CFR, Part 60, subpart 000 rules and regulations.

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

62-212.200(56) FAC	
62-296.800 FAC	
40 CFR 60, Subpart 000	
62-296.310 (2) FAC	
62-297 FAC	
62-297.340 FAC	
62-297.350 FAC	
62-210.350 FAC	
Chapter 84-446, Section 3 (12) FS	
62-296.320 FAC	
62-296.310 (3) FAC	
40 CFR 60.11 (d)	
62-4 FAC	
62-210	

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: **Drop Point from Pre-Screener Conveying System to Vibrating Screener (004)**	
2. Emission Point Type Code: [ ] 1 [ ] 2 [ ] 3 [X] 4	
8. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): **Visible Emissions will be determined in the area of drop point, where material exits the Pre-Screener Conveying System and is dropped onto the vibrating screener.**	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: **NOT APPLICABLE**	
5. Discharge Type Code: [ ] D [X] F [ ] H [ ] P [ ] R [ ] V [ ] W	
6. Stack Height: **NOT APPLICABLE**	feet
7. Exit Diameter:	feet
8. Exit Temperature:	°F

9. Actual Volumetric Flow Rate:	acfm

10. Percent Water Vapor : %
11. Maximum Dry Standard Flow Rate: dscfm
12. Nonstack Emission Point Height: ~ **10.0** feet
13. Emission Point UTM Coordinates: ***(for Alico Road location of crushing unit only, others not determined as of yet.)***   Zone: **17** East (km): **425.7** North (km): **2930.3**
14. Emission Point Comment (limit to 200 characters):   **Emissions Point will be fugitive only, if any emissions are generated at all.**

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): **Bohringer Machinery Company, Inc. – Portable Crushing Unit – Drop Point from Pre-Screener to vibrating screener (Material Handling - Emissions related to vibrating, screening and conveying of reclaimed crushed material).**	
2. Source Classification Code (SCC): **30502503**	
3. SCC Units: **tons product processed**	
4. Maximum Hourly Rate: **250 ton/hr**	5. Maximum Annual Rate: **780,000 ton/yr**
6. Estimated Annual Activity Factor: **NA**	
7. Maximum Percent Sulfur: **NA**	8. Maximum Percent Ash:
9. Million Btu per SCC Unit: **NA**	
10. Segment Comment (limit to 200 characters):	

Emissions Unit Information Section __4__ of __9__

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters):	
2. Source Classification Code (SCC):	
3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
9. Million Btu per SCC Unit:	
10. Segment Comment (limit to 200 characters):	

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM10	**061**	**099**	**WP**
TSP	**061**	**099**	**WP**

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

Pollutant Detail Information: **Pollutant 1 of 1**

1. Pollutant Emitted: **PM_{10} , TSP**

2. Total Percent Efficiency of Control: **80 %**

3. Potential Emissions: **$PM10_{hourly}$ = 1.20 lb/hr** **$PM10_{yearly}$ = 1.87 ton/yr**
TSP_{hourly} = 2.52 lb/hr **TSP_{yearly} = 3.93 ton/yr**

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

5. Range of Estimated Fugitive/Other Emissions:
[ ] 1 [ ] 2 [ ] 3 ___0___ to ___0___ tons/year

6. Emission Factor: **0.0048 lbs/ton**
Reference: **AP-42 (Table 11.19.2-2 controlled) and footnote © for TSP Emissions**

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

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

$PM10_{yearly}$ = [(250 ton/hr)(3120 hr/yr)(0.0048 lb/ton)] / (2000 lb/ton) = 1.87 ton/yr

$PM10_{hour}$ = [(250 ton/hr)(0.0048 lb/ton)] = 1.20 lb/hr

TSP_{yearly} = [(250 ton/hr)(3120 hr/yr)(0.0048 lb/ton)] (2.1) / (2000 lb/ton) = 3.93 ton/yr

TSP_{hour} = [(250 ton/hr)(0.0048 lb/ton)] (2.1) = 2.52 lb/hr

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

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: **This facility will be subject to 40 CFR Part 60, Subpart 000 rules and regulations.**		
2. Future Effective Date of Allowable Emissions: **Annual Visible Emissions Compliance Test**		
3. Requested Allowable Emissions and Units: **< 10% Opacity**		
4. Equivalent Allowable Emissions:	lb/hour	tons/year
5. Method of Compliance (limit to 60 characters): **Annual EPA Method 9 Compliance Testing.**		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):		

B.

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

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Visible Emissions Limitation: Visible Emissions Limitation ___1___ of ___1___

1. Visible Emissions Subtype: **VE**
2. Basis for Allowable Opacity: [X] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **< 10 %** Exceptional Conditions: **< 10 %** Maximum Period of Excess Opacity Allowed: **0** min/hour
4. Method of Compliance: **Annual EPA Method 9 visible emission testing.**
5. Visible Emissions Comment (limit to 200 characters):

Visible Emissions Limitation: Visible Emissions Limitation _____ of _____

1. Visible Emissions Subtype:
2. Basis for Allowable Opacity: [ ] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour
4. Method of Compliance:
5. Visible Emissions Comment (limit to 200 characters):

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

Supplemental Requirements for All Applications

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

Additional Supplemental Requirements for Category I Applications Only

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

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

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

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

14. Acid Rain Application (Hard-copy Required)

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

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

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

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

[X] Not Applicable

EMISSIONS ID. NO. 005

VIBRATING SCREENER to SCREENED MATERIAL DISCHARGE BELT

(DROP POINT)

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through L as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

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

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one:

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

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

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

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

[X] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

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

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): **Bohringer Machinery Company, Inc. – Vibrating Screener to Screener Discharge Conveying System (drop point from Vibrating Screener to Screener Discharge Conveying System)**		
2. Emissions Unit Identification Number: [ ] No Corresponding ID [X] Unknown		
3. Emissions Unit Status Code: **Construction**	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: **14**
6. Emissions Unit Comment (limit to 500 characters):		

Emissions Unit Control Equipment

A.

9. Description (limit to 200 characters): **The fugitive emissions generated from this drop point where crushed material leaves the vibrating screener and is dropped onto the screened material discharge belt are controlled by the water spray bar system on a as needed basis, mounted in the area of the discharge pan / conveying system. This material is still moist enough as to cause little to no fugitive emissions at this drop point. This material is still moist from previous spray systems and is also dampened before it leaves the belt and drops to it's stockpile.**
2. Control Device or Method Code: **061, 099**

B.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

C.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

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

Emissions Unit Details

1. Initial Startup Date: **10/26/99**	
2. Long-term Reserve Shutdown Date: **NOT APPLICABLE**	
3. Package Unit: **Vibrating Screener to Screened Material Discharge Belt (Drop Point)** Manufacturer: **Bohringer Machinery Company, Inc.** Model No: **RC10**	
4. Generator Nameplate Rating: MW	
5. Incinerator Information:	
Dwell Temperature:	°F
Dwell Time:	seconds
Incinerator Afterburner Temperature:	°F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: **NONE** mmBtu/hr
2. Maximum Incineration Rate: **NA** lb/hr tons/day
3. Maximum Process or Throughput Rate: **250 ton/hr as raw (crushed) reclaimed asphalt or concrete**
4. Maximum Production Rate: **250 ton/hr as reclaimed crushed concrete or asphalt material. (dependent on screen size at the time)**
5. Operating Capacity Comment (limit to 200 characters): **The fugitive emissions generated from this drop point where crushed material leaves the vibrating screener and is dropped onto the screened material discharge belt are controlled by the water spray bar system on a as needed basis, mounted in the area of the discharge pan / conveying system. This material is still moist enough as to cause little to no fugitive emissions at this drop point. This material is still moist from previous spray systems and is also dampened before it leaves the belt and drops to it's stockpile.**

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:			
	24 hours/day		**6** days/week
	52 weeks/year	***not to exceed***	**3120** hours/year

D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

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

This facility will be subject to 40 CFR, Part 60, subpart 000 rules and regulations.

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

62-212.200(56) FAC	
62-296.800 FAC	
40 CFR 60, Subpart 000	
62-296.310 (2) FAC	
62-297 FAC	
62-297.340 FAC	
62-297.350 FAC	
62-210.350 FAC	
Chapter 84-446, Section 3 (12) FS	
62-296.320 FAC	
62-296.310 (3) FAC	
40 CFR 60.11 (d)	
62-4 FAC	
62-210	

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:
Vibrating Screener Drop Point to Screened Material Discharge Belt (005)

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

10. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):

Visible Emissions will be determined in the area of drop point, where material exits Vibrating Screener and falls onto Screened Material Discharge Belt.

4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:

NOT APPLICABLE

5. Discharge Type Code:
[ ] D [X] F [ ] H [ ] P
[ ] R [ ] V [ ] W

6. Stack Height: **NOT APPLICABLE** feet

7. Exit Diameter: feet

8. Exit Temperature: °F

9. Actual Volumetric Flow Rate: acfm

10. Percent Water Vapor : %
11. Maximum Dry Standard Flow Rate: dscfm
12. Nonstack Emission Point Height: ~ **0.0 to 20.0** feet
13. Emission Point UTM Coordinates: ***(for Alico Road location of crushing unit only, others not determined as of yet.)*** Zone: **17** East (km): **425.7** North (km): **2930.3**
14. Emission Point Comment (limit to 200 characters): **Emissions Point will be fugitive only, if any emissions are generated at all.**

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): **Bohringer Machinery Company, Inc. – Portable Crushing Unit – Vibrating Screener to Screened Material Discharge Belt. (Material Handling - Emissions related to conveying of reclaimed crushed material).**
2. Source Classification Code (SCC): **30502503**
3. SCC Units: **tons product processed**

4. Maximum Hourly Rate: **250 ton/hr**	5. Maximum Annual Rate: **780,000 ton/yr**
6. Estimated Annual Activity Factor: **NA**	
7. Maximum Percent Sulfur: **NA**	8. Maximum Percent Ash:
9. Million Btu per SCC Unit: **NA**	
10. Segment Comment (limit to 200 characters):	

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters):	
2. Source Classification Code (SCC):	
3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
9. Million Btu per SCC Unit:	
10. Segment Comment (limit to 200 characters):	

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM10	**061**	**099**	**WP**
TSP	**061**	**099**	**WP**

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

Pollutant Detail Information: **Pollutant 1 of 1**

1. Pollutant Emitted: **PM_{10} , TSP**

2. Total Percent Efficiency of Control: **80 %**

3. Potential Emissions: **$PM10_{hourly}$ = 0.96 lb/hr** **$PM10_{yaerly}$ = 1.50 ton/yr**
TSP_{hourly} = 2.02 lb/hr **TSP_{yearly} = 3.14 ton/yr**

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

5. Range of Estimated Fugitive/Other Emissions:
[ ] 1 [ ] 2 [ ] 3 ___0___ to ___0___ tons/year

6. Emission Factor: **0.0048 lbs/ton**
Reference: **AP-42 (Table 11.19.2-2 controlled) and footnote © for TSP Emissions**

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

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

$PM10_{yearly}$ = [(250 ton/hr)(3120 hr/yr)(0.0048 lb/ton)] / (2000 lb/ton) = 1.87 ton/yr

$PM10_{hour}$ = [(250 ton/hr)(0.0048 lb/ton)] = 1.20 lb/hr

TSP_{yearly} = [(250 ton/hr)(3120 hr/yr)(0.0048 lb/ton)] (2.1) / (2000 lb/ton) = 3.93 ton/yr

TSP_{hour} = [(250 ton/hr)(0.0048 lb/ton)] (2.1) = 2.52 lb/hr

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

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: **This facility will be subject to 40 CFR Part 60, Subpart 000 rules and regulations.**		
2. Future Effective Date of Allowable Emissions: **Annual Visible Emissions Compliance Test**		
3. Requested Allowable Emissions and Units: **< 10% Opacity**		
4. Equivalent Allowable Emissions:	lb/hour	tons/year
5. Method of Compliance (limit to 60 characters): **Annual EPA Method 9 Compliance Testing.**		
6. Pollutant Allowable Emissions Comment (Desc. Of Related Operating Method/Mode) (limit to 200 characters):		

B.

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

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Visible Emissions Limitation: Visible Emissions Limitation ___1___ of ___1___

1. Visible Emissions Subtype: **VE**
2. Basis for Allowable Opacity: **[X]** Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **< 10 %** Exceptional Conditions: **< 10 %** Maximum Period of Excess Opacity Allowed: **0** min/hour
4. Method of Compliance: **Annual EPA Method 9 visible emission testing.**
5. Visible Emissions Comment (limit to 200 characters):

Visible Emissions Limitation: Visible Emissions Limitation _____ of _____

1. Visible Emissions Subtype:
2. Basis for Allowable Opacity: [ ] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour
4. Method of Compliance:
5. Visible Emissions Comment (limit to 200 characters):

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

Supplemental Requirements for All Applications

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

Additional Supplemental Requirements for Category I Applications Only

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

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

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

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

14. Acid Rain Application (Hard-copy Required)

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

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

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

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

[X] Not Applicable

EMISSIONS ID. NO. 006

SCREENED MATERIAL DISCHARGE BELT to RADIAL STACKER BELT No. 1

(DROP POINT)

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through L as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

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

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one:

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

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

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

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

[X] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

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

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): **Bohringer Machinery Company, Inc. – Crushing Unit - Drop Point from Screened Material Discharge Belt to Radial Stacker Belt No.1 (60'). (Material Handling, Fugitive Emissions Generated if any at all are generated at the drop point between the two belts)**		
2. Emissions Unit Identification Number: [ ] No Corresponding ID [X] Unknown		
3. Emissions Unit Status Code: **Construction**	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: **14**
6. Emissions Unit Comment (limit to 500 characters):		

Emissions Unit Control Equipment

A.

11. Description (limit to 200 characters): **The fugitive emissions generated from this drop point where crushed material leaves the screened material discharge belt and is dropped to Radial Stacker Belt No.1 (60') are controlled as needed by a water spray bar system mounted at the discharge hopper in the area under the crusher. This material is still moist from previous spray systems and is also dampened before it leaves the belt and drops to it's stockpile.**
2. Control Device or Method Code: **061, 099**

B.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

C.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

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

Emissions Unit Details

1. Initial Startup Date: **ASAP**
2. Long-term Reserve Shutdown Date: **NOT APPLICABLE**
3. Package Unit: **Screened Material Discharge Belt (Drop Point) to Radial Stacker Belt No.1 (60')** Manufacturer: **Bohringer Machinery Company, Inc.** Model No: **RC10**
4. Generator Nameplate Rating: MW
5. Incinerator Information: Dwell Temperature: °F Dwell Time: seconds Incinerator Afterburner Temperature: °F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: **NONE** mmBtu/hr
2. Maximum Incineration Rate: **NA** lb/hr tons/day
3. Maximum Process or Throughput Rate: **250 ton/hr as raw (crushed) reclaimed asphalt or concrete**
4. Maximum Production Rate: **25 ton/hr as reclaimed crushed concrete or asphalt material. (dependent on screen size at the time)**
5. Operating Capacity Comment (limit to 200 characters): **This material is still moist from previous spray systems as needed.**

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:		
24 hours/day		**6** days/week
52 weeks/year	***not to exceed***	**3120** hours/year

D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

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

This facility will be subject to 40 CFR, Part 60, subpart 000 rules and regulations.

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

62-212.200(56) FAC	
62-296.800 FAC	
40 CFR 60, Subpart 000	
62-296.310 (2) FAC	
62-297 FAC	
62-297.340 FAC	
62-297.350 FAC	
62-210.350 FAC	
Chapter 84-446, Section 3 (12) FS	
62-296.320 FAC	
62-296.310 (3) FAC	
40 CFR 60.11 (d)	
62-4 FAC	
62-210	

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:
Screened Material Discharge Belt (drop point) to Radial Stacker No.1 (006)

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

12. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):

Visible Emissions will be determined in the area of drop point, where material drops from the screened material discharge belt and fall onto Radial Stacker Belt No.1 (60').

4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:

NOT APPLICABLE

5. Discharge Type Code:
[ ] D [X] F [ ] H [ ] P
[ ] R [ ] V [ ] W

6. Stack Height: **NOT APPLICABLE** feet

7. Exit Diameter: feet

8. Exit Temperature: °F

9. Actual Volumetric Flow Rate: acfm

10. Percent Water Vapor : %
11. Maximum Dry Standard Flow Rate: dscfm
12. Nonstack Emission Point Height: ~ **0.0 to 20.0** feet
13. Emission Point UTM Coordinates: ***(for Alico Road location of crushing unit only, others not determined as of yet.)***   Zone: **17** East (km): **425.7** North (km): **2930.3**
14. Emission Point Comment (limit to 200 characters):   **Emissions Point will be fugitive only, if any emissions are generated at all.**

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:
Screened Material Discharge Belt (drop point) to Radial Stacker No.1 (006)

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

12. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):

Visible Emissions will be determined in the area of drop point, where material drops from the screened material discharge belt and fall onto Radial Stacker Belt No.1 (60').

4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:

NOT APPLICABLE

5. Discharge Type Code:
[ ] D [X] F [ ] H [ ] P
[ ] R [ ] V [ ] W

6. Stack Height: **NOT APPLICABLE** feet

7. Exit Diameter: feet

8. Exit Temperature: °F

9. Actual Volumetric Flow Rate: acfm

10. Percent Water Vapor : %
11. Maximum Dry Standard Flow Rate: dscfm
12. Nonstack Emission Point Height: ~ **0.0 to 20.0** feet
13. Emission Point UTM Coordinates: ***(for Alico Road location of crushing unit only, others not determined as of yet.)*** Zone: **17** East (km): **425.7** North (km): **2930.3**
14. Emission Point Comment (limit to 200 characters): **Emissions Point will be fugitive only, if any emissions are generated at all.**

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):

Bohringer Machinery Company, Inc. – Portable Crushing Unit – screened material discharge belt drop point to Radial Stacker Belt No.1. (Material Handling - Emissions related to conveying of crushed material).

2. Source Classification Code (SCC): **30502511**

3. SCC Units: **tons product processed**

4. Maximum Hourly Rate:	5. Maximum Annual Rate:
250 ton/hr	**780,000 ton/yr**

6. Estimated Annual Activity Factor:
NA

7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
NA	

9. Million Btu per SCC Unit:
NA

10. Segment Comment (limit to 200 characters):

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters):	
2. Source Classification Code (SCC):	
3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
9. Million Btu per SCC Unit:	
10. Segment Comment (limit to 200 characters):	

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM10	**061**	**099**	**WP**
TSP	**061**	**099**	**WP**

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

Pollutant Detail Information: **Pollutant 1 of 1**

1. Pollutant Emitted: **PM_{10} , TSP**

2. Total Percent Efficiency of Control: **80 %**

3. Potential Emissions: **$PM10_{hourly}$ = 0.53lb/hr** **$PM10_{yaerly}$ = 0.81 ton/yr**
TSP_{hourly} = 1.11 lb/hr **TSP_{yearly} = 1.70 ton/yr**

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

5. Range of Estimated Fugitive/Other Emissions:
[ ] 1 [ ] 2 [ ] 3 ___0___ to ___0___ tons/year

6. Emission Factor: **0.0021 lbs/ton**
Reference: **AP-42 (Table 11.19.2-2 controlled) and footnote © for TSP Emissions**

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

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

$PM10_{yearly}$ = [(250 ton/hr)(3120 hr/yr)(0.0021 lb/ton)] / (2000 lb/ton) = 0.81 ton/yr

$PM10_{hour}$ = [(250 ton/hr)(0.0021 lb/ton)] = 0.53 lb/hr

TSP_{yearly} = [(250 ton/hr)(3120 hr/yr)(0.0021 lb/ton)] (2.1) / (2000 lb/ton) = 1.70 ton/yr

TSP_{hour} = [(200 ton/hr)(0.0021 lb/ton)] (2.1) = 1.11 lb/hr

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

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: **This facility will be subject to 40 CFR Part 60, Subpart 000 rules and regulations.**		
2. Future Effective Date of Allowable Emissions: **Annual Visible Emissions Compliance Test**		
3. Requested Allowable Emissions and Units: **< 10% Opacity**		
4. Equivalent Allowable Emissions:	lb/hour	tons/year
5. Method of Compliance (limit to 60 characters): **Annual EPA Method 9 Compliance Testing.**		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):		

B.

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

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Visible Emissions Limitation: Visible Emissions Limitation ___1___ of ___1___

1. Visible Emissions Subtype: **VE**
2. Basis for Allowable Opacity: [X] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **< 10 %** Exceptional Conditions: **< 10 %** Maximum Period of Excess Opacity Allowed: **0** min/hour
4. Method of Compliance: **Annual EPA Method 9 visible emission testing.**
5. Visible Emissions Comment (limit to 200 characters):

Visible Emissions Limitation: Visible Emissions Limitation _____ of _____

1. Visible Emissions Subtype:
2. Basis for Allowable Opacity: [ ] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour
4. Method of Compliance:
5. Visible Emissions Comment (limit to 200 characters):

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

Supplemental Requirements for All Applications

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

Additional Supplemental Requirements for Category I Applications Only

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

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

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

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

14. Acid Rain Application (Hard-copy Required)

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

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

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

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

[X] Not Applicable

EMISSIONS ID. NO. 007

RADIAL STACKER No.1 to RADIAL STACKER No.2

(DROP POINT)

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through L as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

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

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one:

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

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

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

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

[X] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

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

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): **Bohringer Machinery Company, Inc. – Drop Point from Radial Stacker Belt No.1 to Radial Stacker Belt No.2.**		
2. Emissions Unit Identification Number: [ ] No Corresponding ID [X] Unknown		
3. Emissions Unit Status Code: **Construction**	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: **14**
6. Emissions Unit Comment (limit to 500 characters):		

Emissions Unit Control Equipment

A.

13. Description (limit to 200 characters): **The fugitive emissions generated from this drop point where crushed material leaves Radial Stacker No.1 and is dropped to radial stacker belt No. 2 are controlled as needed by the water spray bar system mounted in the area of the discharge hopper under the crusher.**
2. Control Device or Method Code: **061, 099**

B.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

C.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

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

Emissions Unit Details

1. Initial Startup Date: **10/26/99**	
2. Long-term Reserve Shutdown Date: **NOT APPLICABLE**	
3. Package Unit: **Radial Stacker Belt No.1 (drop point) to Radial Stacker Belt No. 2** Manufacturer: **Self-Fabricated** Model No: **Unknown**	
4. Generator Nameplate Rating: MW	
5. Incinerator Information:	
Dwell Temperature:	°F
Dwell Time:	seconds
Incinerator Afterburner Temperature:	°F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: **NONE** mmBtu/hr
2. Maximum Incineration Rate: **NA** lb/hr tons/day
3. Maximum Process or Throughput Rate: **250 ton/hr as raw (crushed) reclaimed asphalt or concrete**
4. Maximum Production Rate: **250 ton/hr as reclaimed crushed concrete or asphalt material. (dependent on screen size at the time)**
5. Operating Capacity Comment (limit to 200 characters): **This material is still moist from previous spray systems and is also dampened before it leaves the belt and drops to it's stockpile. In addition, there may be periods when Radial Stacker Belt is not used, dependent on sites.**

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:			
	24 hours/day		**6** days/week
	52 weeks/year	***not to exceed***	**3120** hours/year

D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

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

This facility will be subject to 40 CFR, Part 60, subpart 000 rules and regulations.

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

62-212.200(56) FAC	
62-296.800 FAC	
40 CFR 60, Subpart 000	
62-296.310 (2) FAC	
62-297 FAC	
62-297.340 FAC	
62-297.350 FAC	
62-210.350 FAC	
Chapter 84-446, Section 3 (12) FS	
62-296.320 FAC	
62-296.310 (3) FAC	
40 CFR 60.11 (d)	
62-4 FAC	
62-210	

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:
   Drop Point from Radial Stacker No.1 to Radial Stacker Belt No.2 (007)

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

14. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):

Visible Emissions will be determined in the area of drop point, where material exits Radial Stacker No.1 and falls to Radial Stacker Belt No.2.

4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:

   NOT APPLICABLE

5. Discharge Type Code:
   [ ] D [X] F [ ] H [ ] P
   [ ] R [ ] V [ ] W

6. Stack Height: **NOT APPLICABLE** feet

7. Exit Diameter: feet

8. Exit Temperature: °F

9. Actual Volumetric Flow Rate: acfm

10. Percent Water Vapor : %
11. Maximum Dry Standard Flow Rate: dscfm
12. Nonstack Emission Point Height: ~ **8.0** feet
13. Emission Point UTM Coordinates: ***(for Alico Road location of crushing unit only, others not determined as of yet.)***   Zone: **17** East (km): **425.7** North (km): **2930.3**
14. Emission Point Comment (limit to 200 characters):   **Emissions Point will be fugitive only, if any emissions are generated at all.**

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): **Bohringer Machinery Company, Inc. – Portable Crushing Unit – Radial Stacker Belt No.1 drop point to Radial Stacker Belt No.2. (Material Handling – Emissions related to conveying of reclaimed crushed material).**
2. Source Classification Code (SCC): **30502503**
3. SCC Units: **tons product processed**

4. Maximum Hourly Rate: **250 ton/hr**	5. Maximum Annual Rate: **780,000 ton/yr**
6. Estimated Annual Activity Factor: **NA**	
7. Maximum Percent Sulfur: **NA**	8. Maximum Percent Ash:
9. Million Btu per SCC Unit: **NA**	

10. Segment Comment (limit to 200 characters):

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters):	
2. Source Classification Code (SCC):	
3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
9. Million Btu per SCC Unit:	
10. Segment Comment (limit to 200 characters):	

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM10	**061**	**099**	**WP**
TSP	**061**	**099**	**WP**

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

Pollutant Detail Information: **Pollutant 1 of 1**

1. Pollutant Emitted: **PM_{10} , TSP**

2. Total Percent Efficiency of Control: **80 %**

3. Potential Emissions: **$PM10_{hourly}$ = 1.20 lb/hr** **$PM10_{yaerly}$ = 1.87 ton/yr**
TSP_{hourly} = 2.52 lb/hr **TSP_{yearly} = 3.93 ton/yr**

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

5. Range of Estimated Fugitive/Other Emissions:
[ ] 1 [ ] 2 [ ] 3 ___0___ to ___0___ tons/year

6. Emission Factor: **0.0048 lbs/ton**
Reference: **AP-42 (Table 11.19.2-2 controlled) and footnote © for TSP Emissions**

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

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

$PM10_{yearly}$ = [(250 ton/hr)(3120 hr/yr)(0.0048 lb/ton)] / (2000 lb/ton) = 1.87 ton/yr

$PM10_{hour}$ = [(250 ton/hr)(0.0048 lb/ton)] = 1.20 lb/hr

TSP_{yearly} = [(250 ton/hr)(3120 hr/yr)(0.0048 lb/ton)] (2.1) / (2000 lb/ton) = 3.93 ton/yr

TSP_{hour} = [(250 ton/hr)(0.0048 lb/ton)] (2.1) = 2.52 lb/hr

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

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: **This facility will be subject to 40 CFR Part 60, Subpart 000 rules and regulations.**		
2. Future Effective Date of Allowable Emissions: **Annual Visible Emissions Compliance Test**		
3. Requested Allowable Emissions and Units: **< 10% Opacity**		
4. Equivalent Allowable Emissions:	lb/hour	tons/year
5. Method of Compliance (limit to 60 characters): **Annual EPA Method 9 Compliance Testing.**		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):		

B.

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

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Visible Emissions Limitation: Visible Emissions Limitation ___1___ of ___1___

1. Visible Emissions Subtype: **VE**
2. Basis for Allowable Opacity: [X] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **< 10 %** Exceptional Conditions: **< 10 %** Maximum Period of Excess Opacity Allowed: **0** min/hour
4. Method of Compliance: **Annual EPA Method 9 visible emission testing.**
5. Visible Emissions Comment (limit to 200 characters):

Visible Emissions Limitation: Visible Emissions Limitation _____ of _____

1. Visible Emissions Subtype:
2. Basis for Allowable Opacity: [ ] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour
4. Method of Compliance:
5. Visible Emissions Comment (limit to 200 characters):

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

Supplemental Requirements for All Applications

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

Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operation [ ] Attached, Document ID:_____ [X] Not Applicable
11. Alternative Modes of Operation (Emissions Trading) [ ] Attached, Document ID:_____ [X] Not Applicable
12. Identification of Additional Applicable Requirements [ ] Attached, Document ID:_____ [X] Not Applicable
13. Compliance Assurance Monitoring Plan [ ] Attached, Document ID:_____ [X] Not Applicable
14. Acid Rain Application (Hard-copy Required) [ ] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID:_____ [ ] Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID:_____ [ ] New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID:_____ [ ] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID:_____ [X] Not Applicable

EMISSIONS ID. NO. 008

RADIAL STACKER No.1 or No.2 To STOCKPILE

(DROP POINT)

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through L as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

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

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one:

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

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

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

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

[X] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

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

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): **Bohringer Machinery Company, Inc. – Drop Point from Radial Stacker Belt No.1 or No.2 to stockpile.**		
2. Emissions Unit Identification Number: [ ] No Corresponding ID [X] Unknown		
3. Emissions Unit Status Code: **Construction**	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: **14**
6. Emissions Unit Comment (limit to 500 characters):		

Emissions Unit Control Equipment

A.

15. Description (limit to 200 characters): **This material is still moist from previous spray systems. In addition, the stacker belts are kept close to the top of the stockpiles as to control airborne fugitive emissions.**
2. Control Device or Method Code: **061, 099**

B.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

C.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

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

Emissions Unit Details

1. Initial Startup Date: **10/26/99**	
2. Long-term Reserve Shutdown Date: **NOT APPLICABLE**	
3. Package Unit: **Radial Stacker Belt No. 1 or No.2 drop point to stockpile** Manufacturer: **Self - fabricated.** Model No: **Unknown**	
4. Generator Nameplate Rating: MW	
5. Incinerator Information:	
Dwell Temperature:	°F
Dwell Time:	seconds
Incinerator Afterburner Temperature:	°F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: **NONE** mmBtu/hr
2. Maximum Incineration Rate: **NA** lb/hr tons/day
3. Maximum Process or Throughput Rate: **250 ton/hr as raw (crushed) reclaimed asphalt or concrete**
4. Maximum Production Rate: **250 ton/hr as reclaimed crushed concrete or asphalt material. (dependent on screen size at the time)**
5. Operating Capacity Comment (limit to 200 characters): **This material is still moist from previous spray systems. Radial Belt No.2 may not be used at all sites.**

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:	
24 hours/day	**6** days/week
52 weeks/year	***not to exceed:*** **3120** hours/year

D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

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

This facility will be subject to 40 CFR, Part 60, subpart 000 rules and regulations.

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

62-212.200(56) FAC	
62-296.800 FAC	
40 CFR 60, Subpart 000	
62-296.310 (2) FAC	
62-297 FAC	
62-297.340 FAC	
62-297.350 FAC	
62-210.350 FAC	
Chapter 84-446, Section 3 (12) FS	
62-296.320 FAC	
62-296.310 (3) FAC	
40 CFR 60.11 (d)	
62-4 FAC	
62-210	

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:
   Drop Point from Radial Stacker Belt No.1 or No.2 to stockpile (008)

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

16. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):

Visible Emissions will be determined in the area of drop point, where material exits Radial Stacker Belt No.1 or No.2 and is dropped to it's stockpile.

4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:

   NOT APPLICABLE

5. Discharge Type Code:
   [ ] D [X] F [ ] H [ ] P
   [ ] R [ ] V [ ] W

6. Stack Height: **NOT APPLICABLE** feet

7. Exit Diameter: feet

8. Exit Temperature: °F

9. Actual Volumetric Flow Rate: acfm

10. Percent Water Vapor : %
11. Maximum Dry Standard Flow Rate: dscfm
12. Nonstack Emission Point Height: ~ **0.0 to 20.0** feet
13. Emission Point UTM Coordinates: ***(for Alico Road location of crushing unit only, others not determined as of yet.)***   Zone: **17** East (km): **425.7** North (km): **2930.3**
14. Emission Point Comment (limit to 200 characters):   **Emissions Point will be fugitive only, if any emissions are generated at all.**

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): **Bohringer Machinery Company, Inc. – Portable Crushing Unit – Drop point from Radial Stacker Belt No.1 or No.2 to stockpile. (Material Handling - Emissions related to conveying of reclaimed crushed material).**	
2. Source Classification Code (SCC): **30502503**	
3. SCC Units: **tons product processed**	
4. Maximum Hourly Rate: **250 ton/hr**	5. Maximum Annual Rate: **780,000 ton/yr**
6. Estimated Annual Activity Factor: **NA**	
7. Maximum Percent Sulfur: **NA**	8. Maximum Percent Ash:
9. Million Btu per SCC Unit: **NA**	
10. Segment Comment (limit to 200 characters):	

Emissions Unit Information Section ___8___ of ___9___

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters):	
2. Source Classification Code (SCC):	
3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
9. Million Btu per SCC Unit:	
10. Segment Comment (limit to 200 characters):	

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
PM10	**061**	**099**	**WP**
TSP	**061**	**099**	**WP**

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

Pollutant Detail Information: **Pollutant 1 of 1**

1. Pollutant Emitted: **PM_{10} , TSP**

2. Total Percent Efficiency of Control: **80 %**

3. Potential Emissions: **$PM10_{hourly}$ = 1.20 lb/hr** **$PM10_{yearly}$ = 1.87 ton/yr**
TSP_{hourly} = 2.52 lb/hr **TSP_{yearly} = 3.93 ton/yr**

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

5. Range of Estimated Fugitive/Other Emissions:
[ ] 1 [ ] 2 [ ] 3 **___0____** to **___0____** tons/year

6. Emission Factor: **0.0048 lbs/ton**
Reference: **AP-42 (Table 11.19.2-2 controlled) and footnote © for TSP Emissions**

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

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

$PM10_{yearly}$ = [(250 ton/hr)(3120 hr/yr)(0.0048 lb/ton)] / (2000 lb/ton) = 1.87 ton/yr

$PM10_{hour}$ = [(250 ton/hr)(0.0048 lb/ton)] = 1.20 lb/hr

TSP_{yearly} = [(250 ton/hr)(3120 hr/yr)(0.0048 lb/ton)] (2.1) / (2000 lb/ton) = 3.83 ton/yr

TSP_{hour} = [(250 ton/hr)(0.0048 lb/ton)] (2.1) = 2.52 lb/hr

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

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: **This facility will be subject to 40 CFR Part 60, Subpart 000 rules and regulations.**
2. Future Effective Date of Allowable Emissions: **Annual Visible Emissions Compliance Test**
3. Requested Allowable Emissions and Units: **< 10% Opacity**
4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance (limit to 60 characters): **Annual EPA Method 9 Compliance Testing.**
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):

B.

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

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Visible Emissions Limitation: Visible Emissions Limitation __1__ of __1__

1. Visible Emissions Subtype: **VE**
2. Basis for Allowable Opacity: [X] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **< 10 %** Exceptional Conditions: **< 10 %** Maximum Period of Excess Opacity Allowed: **0** min/hour
4. Method of Compliance: **Annual EPA Method 9 visible emission testing.**
5. Visible Emissions Comment (limit to 200 characters):

Visible Emissions Limitation: Visible Emissions Limitation _____ of _____

1. Visible Emissions Subtype:
2. Basis for Allowable Opacity: [ ] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour
4. Method of Compliance:
5. Visible Emissions Comment (limit to 200 characters):

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

Supplemental Requirements for All Applications

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

Additional Supplemental Requirements for Category I Applications Only

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

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

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

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

14. Acid Rain Application (Hard-copy Required)

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

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

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

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

[X] Not Applicable

EMISSIONS ID. NO. 009

CATERPILLAR INC. - GENERATOR SET

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through L as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application. Some of the subsections comprising the Emissions Unit Information Section of the form are intended for regulated emissions units only. Others are intended for both regulated and unregulated emissions units. Each subsection is appropriately marked.

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

Type of Emissions Unit Addressed in This Section

1. Regulated or Unregulated Emissions Unit? Check one:

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

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

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

[X] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

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

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): **Caterpillar, No.2 virgin diesel fired, 400KVA, 320 kW Generator Set – used to supply electrical power to crushing plant. Sulfur limit in fuel oil limited to 0.5% by weight.**		
2. Emissions Unit Identification Number: [ ] No Corresponding ID [X] Unknown		
3. Emissions Unit Status Code: **A**	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: **14**
6. Emissions Unit Comment (limit to 500 characters): **Caterpillar Diesel fired Generator Set used to supply electrical power to crushing plant. Generator fired on No.2 virgin diesel fuel oil with a maximum sulfur content of 0.5% by weight, 138,000 BTU/gal and maximum fuel consumption at maximum of 25 gal/hr.**		

Emissions Unit Control Equipment

A.

17. Description (limit to 200 characters): **UNCONTROLLED**
2. Control Device or Method Code:

B.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

C.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

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

Emissions Unit Details

1. Initial Startup Date: **ASAP**	
2. Long-term Reserve Shutdown Date: **NOT APPLICABLE**	
3. Package Unit: **Virgin Diesel fired Generator Set** Manufacturer: **Caterpillar** Model No: **400 KVA**	
4. Generator Nameplate Rating: **320 kW**	
5. Incinerator Information:	
Dwell Temperature:	°F
Dwell Time:	seconds
Incinerator Afterburner Temperature:	°F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: **6.21** mmBtu/hr
2. Maximum Incineration Rate: **NA** lb/hr tons/day
Maximum Process or Throughput Rate: **Consumes No.2 fuel oil at 25 gallons per hour maximum.**
4. Maximum Production Rate: **25 gallons per hour**
5. Operating Capacity Comment (limit to 200 characters): **Caterpillar Diesel fired Generator Set used to supply electrical power to crushing plant. Generator fired on No.2 virgin diesel fuel oil with a maximum sulfur content of 0.5% by weight, 138,000 BTU/gal and maximum fuel consumption at 25 gal/hr.**

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:			
	24 hours/day		**6** days/week
	52 weeks/year	***not to exceed:***	**3120** hours/year

D. EMISSIONS UNIT REGULATIONS
(Regulated Emissions Units Only)

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

This emissions unit will be subject to 62-296.320 of the FAC

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

62-212.200(56) FAC	
62-296.800 FAC	
40 CFR 60, Subpart 000	
62-296.310 (2) FAC	
62-297 FAC	
62-297.340 FAC	
62-297.350 FAC	
62-210.350 FAC	
Chapter 84-446, Section 3 (12) FS	
62-296.320 FAC	
62-296.310 (3) FAC	
40 CFR 60.11 (d)	
62-4 FAC	
62-210	

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:
   Caterpillar Diesel fired Generator-Set (009)

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

18. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):

Visible Emissions will be determined from the 12" round exhaust stack exiting this unit.

4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:

   NOT APPLICABLE

5. Discharge Type Code:
   [ ] D [X] F [ ] H [ ] P
   [ ] R [ ] V [ ] W

6. Stack Height: ~ **15** feet

7. Exit Diameter: ~ **12"**

8. Exit Temperature: ~ **750°F** °F

9. Actual Volumetric Flow Rate: ~ **5300** acfm

10. Percent Water Vapor : **unknown**	%
11. Maximum Dry Standard Flow Rate:	dscfm
12. Nonstack Emission Point Height:	
13. Emission Point UTM Coordinates: ***(for Alico Road location of crushing unit only, others not determined as of yet.)*** Zone: **17** East (km): **425.7** North (km): **2930.3**	
14. Emission Point Comment (limit to 200 characters): **Caterpillar Diesel fired Generator Set used to supply electrical power to crushing plant. Generator fired on No.2 virgin diesel fuel oil with a maximum sulfur content of 0.5% by weight, 138,000 BTU/gal and maximum fuel consumption at 25 gal/hr.**	

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): **Eagle Crusher Company, Inc. – Portable Crushing Unit – Emissions from Caterpillar Generator Set fired on No.2 virgin diesel fuel oil with a sulfur limit of 0.5% by weight.**	
2. Source Classification Code (SCC): **20200401**	
3. SCC Units: **1000 gallons burned**	
4. Maximum Hourly Rate: **25.0 gal/hr @ worst case scenario**	5. Maximum Annual Rate: **78,000 gal/yr @ max.**
6. Estimated Annual Activity Factor: **0.50 tpy @ worst case scenario at worst site.**	
7. Maximum Percent Sulfur: **0.50 % by weight**	8. Maximum Percent Ash: **NEG.**
9. Million Btu per SCC Unit: **138.0 MMBtu/SCC Unit**	
10. Segment Comment (limit to 200 characters):	

Emissions Unit Information Section ___9___ of ___9___

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters):	
2. Source Classification Code (SCC):	
3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
9. Million Btu per SCC Unit:	
10. Segment Comment (limit to 200 characters):	

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

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
TSP	**None**	**None**	**EL**
SO2	**None**	**None**	**EL**
CO	**None**	**None**	**EL**
NOx	**None**	**None**	**EL**
TOC	**None**	**None**	**EL**

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

Pollutant Detail Information: **Pollutant 1 of 5**

1. Pollutant Emitted: **PM_{10}** 2.__
2. Total Percent Efficiency of Control: **NONE**
3. Potential Emissions: **PM10 = 1.07 lb/hr or 1.67 ton/yr**
4. Synthetically Limited? [**X**] Yes [ ] No
5. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3 ___**0**___ to ___**0**___ tons/year
6. Emission Factor: **0.31 lbs/MMBTU** Reference: **AP-42**
7. Emissions Method Code: [ ] 0 [ ] 1 [ ] 2 [**X**] 3 [ ] 4 [ ] 5
8. Calculation of Emissions: **PM10 = (25 gal/hr fuel useage)(138,000 BTU/gal) = 3.45 MMBTU/hr** **(3.45 MMBTU/hr)(0.31 lb/MMBTU) = 1.07 lb/hr** **(1.07 lb/hr)(3120 hrs/yr) / 2000 lb/ton = 1.67 ton/hr**
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):

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

Pollutant Detail Information: **Pollutant 2 of 5**

3. Pollutant Emitted: **NOX_0**
2. Total Percent Efficiency of Control: **NONE**
3. Potential Emissions: **NOx = 15.21 lb/hr or 23.73 ton/yr**
4. Synthetically Limited? [**X**] Yes [ ] No
5. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3 **0** to **0** tons/year
6. Emission Factor: **4.41 lbs/MMBTU** Reference: **AP-42**
7. Emissions Method Code: [ ] 0 [ ] 1 [ ] 2 [**X**] 3 [ ] 4 [ ] 5
9. Calculation of Emissions: **NOx = (25 gal/hr fuel useage)(138,000 BTU/gal) = 3.45 MMBTU/hr** **(3.45 MMBTU/hr)(4.41 lb/MMBTU) = 15.21 lb/hr** **(15.21 lb/hr)(3120 hrs/yr) / 2000 lb/ton = 23.73 ton/hr**
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):

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

Pollutant Detail Information: **Pollutant 3 of 5**

1. Pollutant Emitted: **CO**
2. Total Percent Efficiency of Control: **NONE**
3. Potential Emissions: **CO = 3.28 lb/hr or 5.12 ton/yr**
4. Synthetically Limited? [**X**] Yes [ ] No
5. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3 **___0___** to **___0___** tons/year
6. Emission Factor: **0.95 lbs/MMBTU** Reference: **AP-42**
7. Emissions Method Code: [ ] 0 [ ] 1 [ ] 2 [**X**] 3 [ ] 4 [ ] 5
10. Calculation of Emissions: **CO = (25 gal/hr fuel useage)(138,000 BTU/gal) = 3.45 MMBTU/hr** **(3.45 MMBTU/hr)(0.95 lb/MMBTU) = 3.28 lb/hr** **(3.28 lb/hr)(3120 hrs/yr) / 2000 lb/ton = 5.12 ton/hr**
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):

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

Pollutant Detail Information: **Pollutant 1 of 5**

1. Pollutant Emitted: **Sox**
2. Total Percent Efficiency of Control: **NONE**
3. Potential Emissions: **Sox = 1.00 lb/hr or 1.56 ton/yr**
4. Synthetically Limited? [**X**] Yes [ ] No
5. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3 ___**0**___ to ___**0**___ tons/year
6. Emission Factor: **0.29 lbs/MMBTU** Reference: **AP-42**
7. Emissions Method Code: [ ] 0 [ ] 1 [ ] 2 [**X**] 3 [ ] 4 [ ] 5
11. Calculation of Emissions: **SOx = (25 gal/hr fuel useage)(138,000 BTU/gal) = 3.45 MMBTU/hr** **(3.45 MMBTU/hr)(0.29 lb/MMBTU) = 1.00 lb/hr** **(1.00 lb/hr)(3120 hrs/yr) / 2000 lb/ton = 1.56 ton/hr**
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):

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

Pollutant Detail Information: **Pollutant 5 of 5**

1.Pollutant Emitted: **TOC**
2. Total Percent Efficiency of Control: **NONE**
3. Potential Emissions: **TOC = 1.24 lb/hr or 1.93 ton/yr**
4. Synthetically Limited? [X] Yes [ ] No
5. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3 **0** to **0** tons/year
6. Emission Factor: **0.36 lbs/MMBTU** Reference: **AP-42**
7. Emissions Method Code: [ ] 0 [ ] 1 [ ] 2 [X] 3 [ ] 4 [ ] 5
12. Calculation of Emissions: **TOC = (25 gal/hr fuel useage)(138,000 BTU/gal) = 3.45 MMBTU/hr** **(3.45 MMBTU/hr)(0.36 lb/MMBTU) = 1.24 lb/hr** **(1.24 lb/hr)(3120 hrs/yr) / 2000 lb/ton = 1.93 ton/hr**
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: **This facility will be subject to 40 CFR Part 60, Subpart 000 rules and regulations.**
2. Future Effective Date of Allowable Emissions: **Annual Visible Emissions Compliance Test**
3. Requested Allowable Emissions and Units: **< 20% Opacity**
4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance (limit to 60 characters): **Annual EPA Method 9 Compliance Testing.**
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode) (limit to 200 characters):

B.

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

I. VISIBLE EMISSIONS INFORMATION
(Regulated Emissions Units Only)

Visible Emissions Limitation: Visible Emissions Limitation ___1___ of ___1___

1. Visible Emissions Subtype: **VE**
2. Basis for Allowable Opacity: [X] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **< 5 %** Exceptional Conditions: **< 5 %** Maximum Period of Excess Opacity Allowed: **0** min/hour
4. Method of Compliance: **Annual EPA Method 9 visible emission testing.**
5. Visible Emissions Comment (limit to 200 characters):

Visible Emissions Limitation: Visible Emissions Limitation _____ of _____

1. Visible Emissions Subtype:
2. Basis for Allowable Opacity: [ ] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour
4. Method of Compliance:
5. Visible Emissions Comment (limit to 200 characters):

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

Supplemental Requirements for All Applications

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

Additional Supplemental Requirements for Category I Applications Only

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

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

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

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

14. Acid Rain Application (Hard-copy Required)

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

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

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

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

[X] Not Applicable

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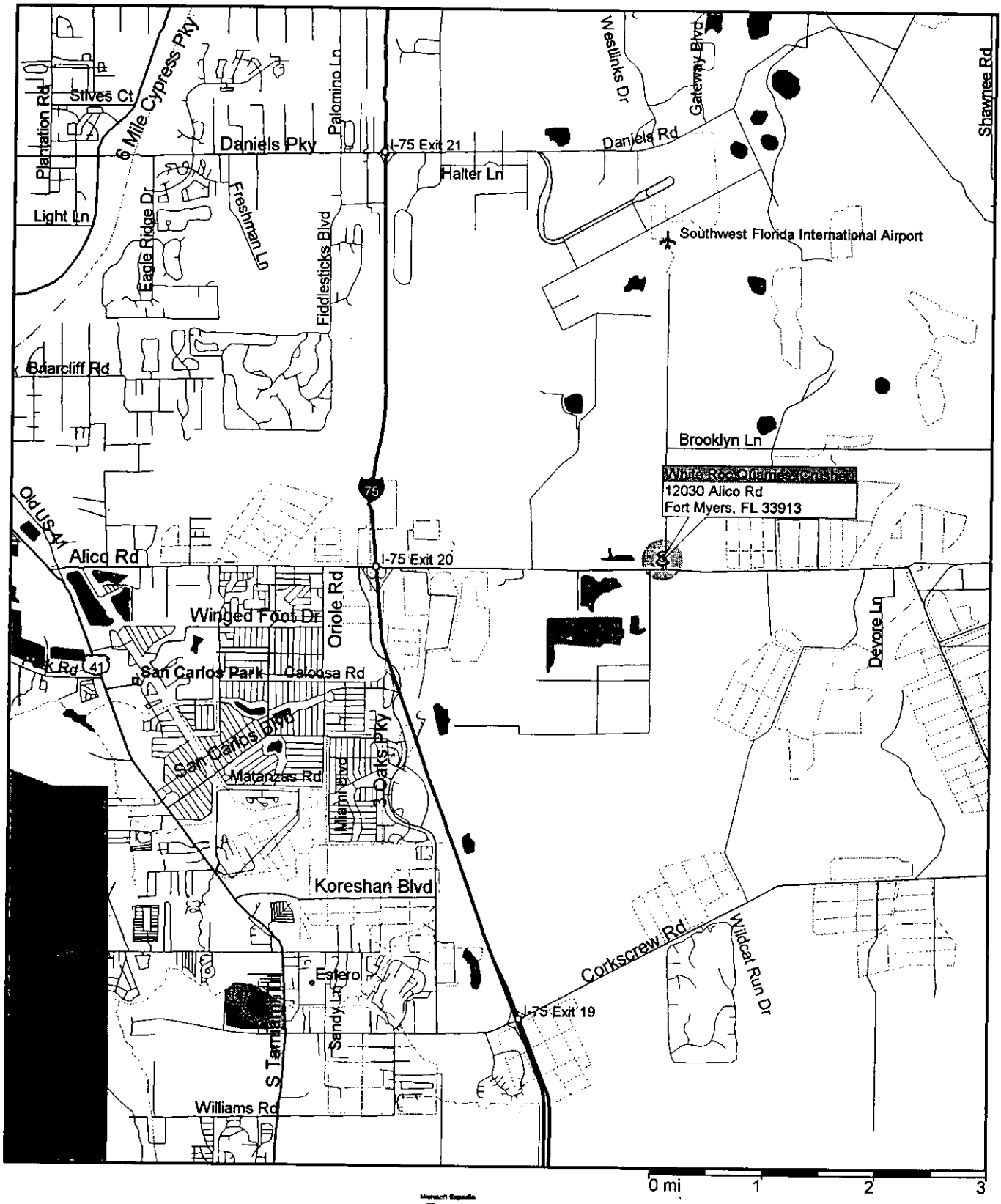
I. AREA MAP OF CRUSHER LOCATION AT TIME OF COMPLIANCE TESTING

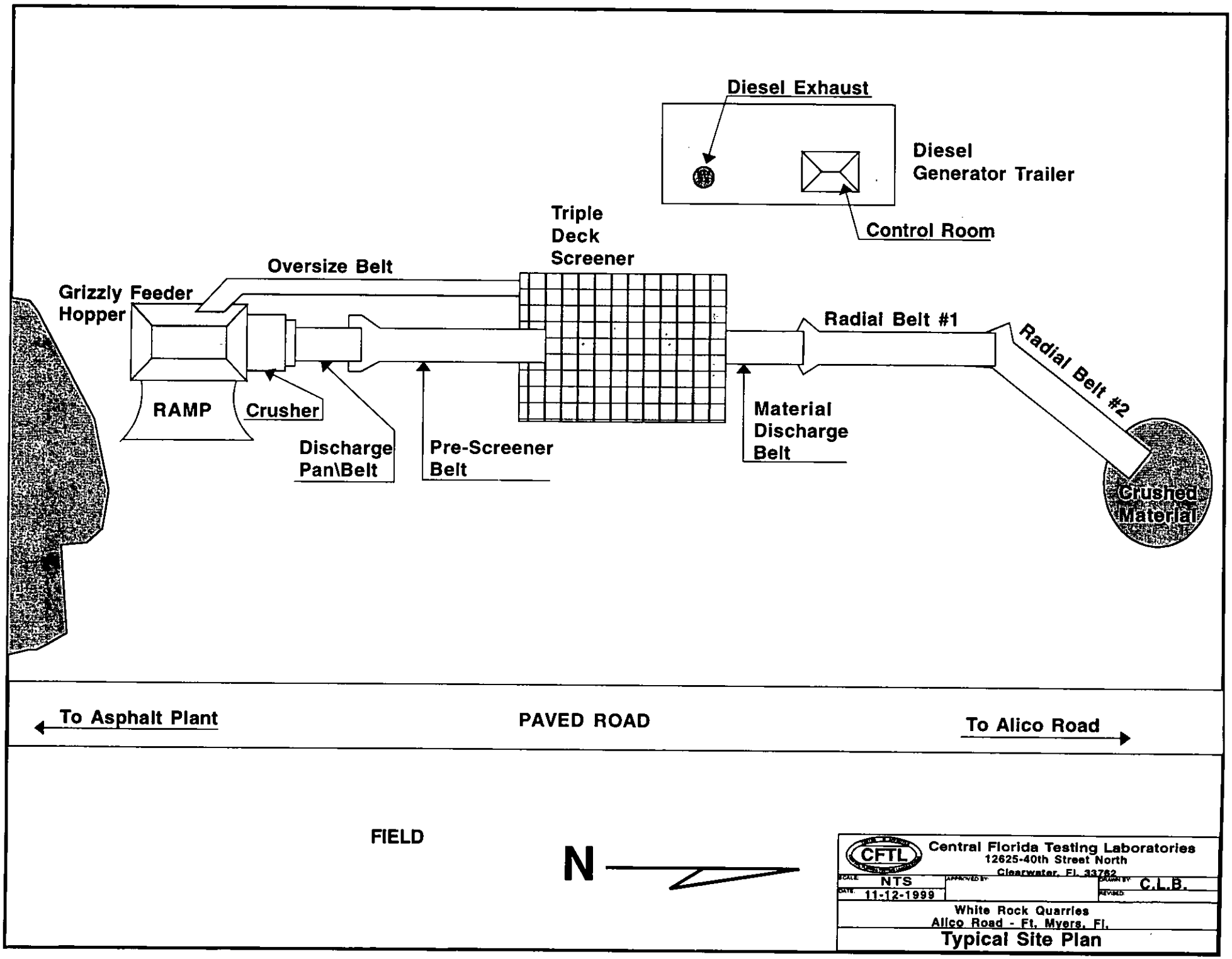
WHITE ROCK QUARRIES - CRUSHING UNIT

LOCATION @ INITIAL COMPLIANCE TESTING



Streets98

II. TYPICAL FACILITY PLOT PLAN



Central Florida Testing Laboratories
12625-40th Street North
Clearwater, Fl. 33762

SCALE	APPROVED BY	DRAWN BY
NTS		C.L.B.
DATE 11-12-1999		REVISED

White Rock Quarries
Alico Road - Ft. Myers, Fl.

Typical Site Plan

III. SUPPLEMENTAL INFORMATION

III. SUPPLEMENTAL INFORMATION
A. Initial Visible Emission Tests

CENTRAL FLORIDA TESTING LABORATORIES, INC.

VISIBLE EMISSIONS OBSERVATION FORM

METHOD USED (CIRCLE ONE): METHOD 9 | 203A | 203B | OTHER:

FORM NUMBER: | PAGE 1 OF 1

CONTINUED ON VEO NUMBER:

COMPANY NAME: White Rock Quarries

STREET ADDRESS: 12030 Alico Road | CITY: Ft. Myers

MAILING ADDRESS: Post Office Box 15065

CITY: W. Palm Beach | STATE: Florida | ZIP: 33416

PHONE/KEY CONTACT: | SOURCE PERMIT NUMBER: 7775081-001-AC

PROCESS EQUIPMENT: Truck Loading | OPERATING MODE: See Below

CONTROL EQUIPMENT: None | OPERATING MODE: —

DESCRIBE EMISSION PT.: Drop from front end loader into yuke truck

DISTANCE TO EMISS. PT. START 118' END 118' | DIRECTION TO EMISS. PT. (DEGREES) START 284° END 284°

HEIGHT OF EMISS. PT. START ~10' END ~10' | HEIGHT TO EMISS. PT. REL. TO OBSERVER START ~7' END ~7'

VERTICAL ANGLE TO OBS. PT. START 1° END 1° | DIRECTION TO OBS. PT. (DEGREES) START 284° END 284°

APPROX. DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV. PT START same END same

DESCRIBE EMISSIONS START occassional fugitives during dump END same

EMISSION COLOR START Gray END Gray | WATER DROPLET PLUME ☐ ATTACHED ☐ DETACHED ☒ NONE

DESCRIBE PLUME BACKGROUND START Sky END Sky

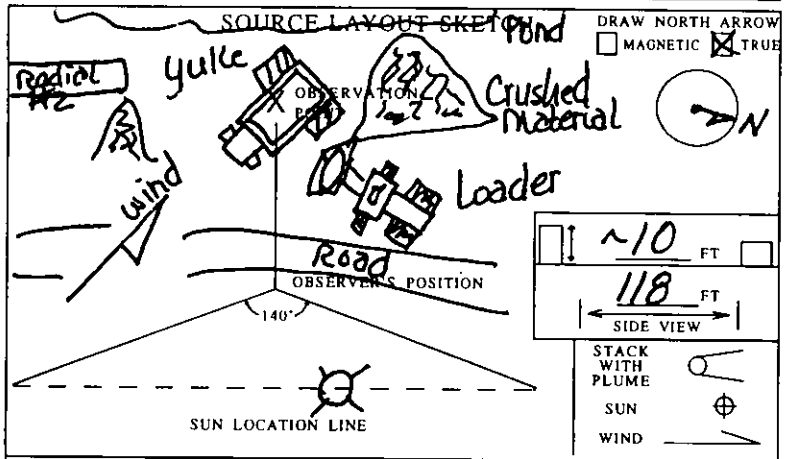
BACKGROUND COLOR START Blue END blue | SKY CONDITIONS START clear END clear

WIND SPEED START 4-8mph END 5-8mph | WIND DIRECTION START ESE END ESE

AMBIENT TEMPERATURE START 78.2°F END 80.5°F | WET BULB TEMP. | PERCENT RH 73%

SOURCE LAYOUT SKETCH

DRAW NORTH ARROW ☐ MAGNETIC ☒ TRUE



LAT: | LONG: | DECLINATION

ADDITIONAL INFORMATION: X = dump of crushed material into yuke truck ~ 8 tons. Several trucks hauling material to asphalt plant stockpiles. No objectionable odors.

OBSERVATION DATE: 11-01-99 | START TIME: 8:30:00 am | END TIME: 8:59:45 am

MIN \ SEC	0	15	30	45	MIN \ SEC	0	15	30	45
1	X0	0	0	0	31				
2	0	X0	0	0	32				
3	0	X0	0	0	33				
4	0	0	0	X0	34				
5	0	0	0	0	35				
6	X0	0	0	0	36				
7	X0	0	0	0	37				
8	0	X5	0	0	38				
9	X0	0	0	0	39				
10	0	0	0	X5	40				
11	0	0	0	0	41				
12	X5	5	0	0	42				
13	0	0	0	0	43				
14	X0	5	0	0	44				
15	0	0	X0	0	45				
16	0	0	0	0	46				
17	0	X0	0	0	47				
18	0	0	0	X0	48				
19	5	5	0	0	49				
20	0	0	X0	0	50				
21	0	0	0	0	51				
22	X0	0	0	0	52				
23	0	0	X5	5	53				
24	0	0	0	0	54				
25	X0	0	0	0	55				
26	X0	0	0	0	56				
27	0	0	X10	5	57				
28	0	0	0	0	58				
29	0	X0	0	0	59				
30	0	X5	0	0	60				

AVERAGE OPACITY: 0.5% | HIGHEST SIX MINUTE INTERVAL: 1.0%

OBSERVER'S NAME (PRINT): Bernard A. Ball, Jr.

OBSERVER'S SIGNATURE: Bernard A. Ball Jr | DATE: 11-01-99

ORGANIZATION: Central Florida Testing Laboratories, Inc.

CERTIFIED BY: E.T.A. - Tampa | DATE: 8-1999

CENTRAL FLORIDA TESTING LABORATORIES, INC.

VISIBLE EMISSIONS OBSERVATION FORM

METHOD USED (CIRCLE ONE): METHOD 9 | 203A | 203B | OTHER:

FORM NUMBER | PAGE 1 OF 1

CONTINUED ON VEO NUMBER

COMPANY NAME: White Rock Quarries

STREET ADDRESS: 2030 Alico Road | CITY: Ft. Myers

MAILING ADDRESS: Post Office Box 15065

W. Palm Beach | STATE: Florida | ZIP: 33416

PLANT/KEY CONTACT | SOURCE PERMIT NUMBER: 7775081-001-AC

PROCESS EQUIPMENT: Crushing Unit P-001 Grizzly Feeder | OPERATING MODE: See Below

CONTROL EQUIPMENT: Water Spray Bar System | OPERATING MODE: —

DESCRIBE EMISSION PT.: Drop from loader to feeder and feeder vibrating material to crusher

DISTANCE TO EMISS. PT. RT: 133' END: 133' | DIRECTION TO EMISS. PT. (DEGREES) START: 222° END: 222°

HT OF EMISS PT. RT: ~12' END: ~12' | HEIGHT TO EMISS. PT. REL. TO OBSERVER START: ~9' END: ~9'

VERTICAL ANGLE TO OBS. PT. RT: 2° END: 2° | DIRECTION TO OBS. PT. (DEGREES) START: 222° END: 222°

APPROX. DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV. PT RT: Same END: Same

DESCRIBE EMISSIONS RT: None END: None

EMISSION COLOR RT: None END: None | WATER DROPLET PLUME: ☐ ATTACHED ☐ DETACHED ☒ NONE

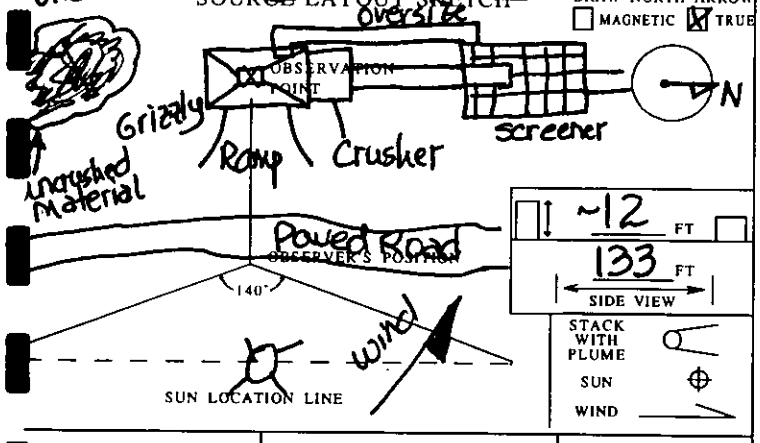
DESCRIBE PLUME BACKGROUND RT: Sky END: Sky

BACKGROUND COLOR RT: Blue END: Blue | SKY CONDITIONS START: Clear END: clear

WIND SPEED RT: 5-8mph END: 5-8mph | WIND DIRECTION START: ESE FROM END: ESE

AMBIENT TEMPERATURE RT: 80.6°F END: 81.2°F | WET BULB TEMP. | PERCENT RH: 73%

SOURCE LAYOUT SKETCH — DRAW NORTH ARROW: ☐ MAGNETIC ☒ TRUE



LONG: | DECLINATION

ADDITIONAL INFORMATION: See Process Weight Determination for Process Weight. No objectionable odors. Crushing reclaimed asphalt & concrete. Water Spray System not needed @ this time.

OBSERVATION DATE: 11-01-99 | START TIME: 9:20:00am | END TIME: 10:19:45am

MIN \ SEC	0	15	30	45	MIN \ SEC	0	15	30	45
1	0	0	0	0	31	0	0	0	0
2	0	0	0	0	32	0	0	0	0
3	0	0	0	0	33	0	0	0	0
4	0	0	0	0	34	0	0	0	0
5	0	0	0	0	35	0	0	0	0
6	0	0	0	0	36	0	0	0	0
7	0	0	0	0	37	0	0	0	0
8	0	0	0	0	38	0	0	0	0
9	0	0	0	0	39	0	0	0	0
10	0	0	0	0	40	0	0	0	0
11	0	0	0	0	41	0	0	0	0
12	0	0	0	0	42	0	0	0	0
13	0	0	0	0	43	0	0	0	0
14	0	0	0	0	44	0	0	0	0
15	0	0	0	0	45	0	0	0	0
16	0	0	0	0	46	0	0	0	0
17	0	0	0	0	47	0	0	0	0
18	0	0	0	0	48	0	0	0	0
19	0	0	0	0	49	0	0	0	0
20	0	0	0	0	50	0	0	0	0
21	0	0	0	0	51	0	0	0	0
22	0	0	0	0	52	0	0	0	0
23	0	0	0	0	53	0	0	0	0
24	0	0	0	0	54	0	0	0	0
25	0	0	0	0	55	0	0	0	0
26	0	0	0	0	56	0	0	0	0
27	0	0	0	0	57	0	0	0	0
28	0	0	0	0	58	0	0	0	0
29	0	0	0	0	59	0	0	0	0
30	0	0	0	0	60	0	0	0	0

AVERAGE OPACITY: 0% | HIGHEST SIX MINUTE INTERVAL: 0%

OBSERVER'S NAME (PRINT): Bernard A. Ball Jr.

OBSERVER'S SIGNATURE: Bernard A. Ball Jr. | DATE: 11-01-99

ORGANIZATION: Central Florida Testing Laboratories, Inc.

CERTIFIED BY: E.T.A. - Tampa | DATE: 8-1999

CENTRAL FLORIDA TESTING LABORATORIES, INC.

VISIBLE EMISSIONS OBSERVATION FORM

METHOD USED (CIRCLE ONE): METHOD 9 | 203A | 203B | OTHER:

FORM NUMBER: | PAGE 1 OF 1

CONTINUED ON VEO NUMBER:

COMPANY NAME: White Rock Quarries

STREET ADDRESS: 12030 Alico Road | CITY: Ft. Myers

MAILING ADDRESS: Post Office Box 15065

CITY: W. Palm Beach | STATE: Florida | ZIP: 33416

PHONE/KEY CONTACT: | SOURCE PERMIT NUMBER: 7775081-001-AC

PROCESS EQUIPMENT: Crushing Unit EP004 PreScreener Belt to Screener | OPERATING MODE: See Below

CONTROL EQUIPMENT: Water Spray Bar System | OPERATING MODE:

DESCRIBE EMISSION PT: Drop Point from PreScreener Belt to Screener & Top of Screener

DISTANCE TO EMISS. PT. START 132' END 132' | DIRECTION TO EMISS. PT. (DEGREES) START 250° END 250°

HEIGHT OF EMISS PT. START ~15' END ~15' | HEIGHT TO EMISS. PT. REL. TO OBSERVER START ~12' END ~12'

VERTICAL ANGLE TO OBS. PT. START 2° END 2° | DIRECTION TO OBS. PT. (DEGREES) START 250° END 250°

APPROX. DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV. PT START Same END Same

DESCRIBE EMISSIONS START None END None

EMISSION COLOR START None END None | WATER DROPLET PLUME ☐ ATTACHED ☐ DETACHED ☒ NONE

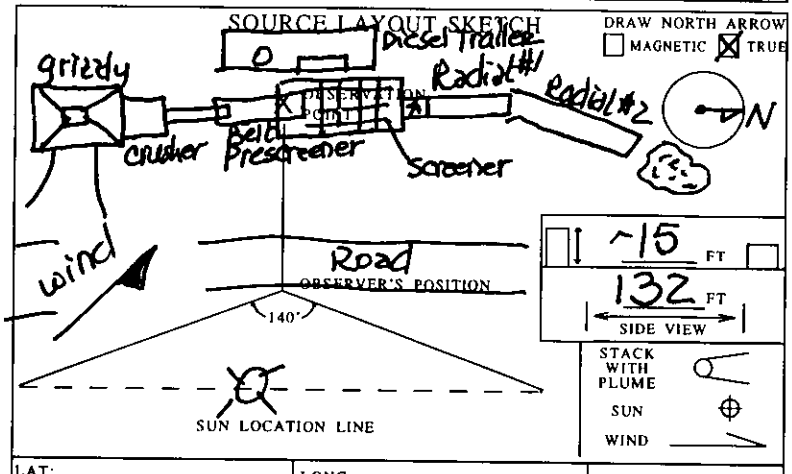
DESCRIBE PLUME BACKGROUND START Sky END Sky

BACKGROUND COLOR START Blue/White END | SKY CONDITIONS START Scattered END Scattered

WIND SPEED START 5-16mph END 5-12mph | WIND DIRECTION START ESE END ESE

AMBIENT TEMPERATURE START 81.3°F END 84.3°F | WET BULB TEMP. | PERCENT RH 74%

SOURCE LAYOUT SKETCH — DRAW NORTH ARROW ☐ MAGNETIC ☒ TRUE



LAT: | LONG: | DECLINATION

ADDITIONAL INFORMATION: See Process Weight Section for PW Determination. No objectionable odors. Crushing mixed concrete & asphalt. Water Spray System turned on for ~15min to demonstrate @ 25psi. Not needed otherwise

OBSERVATION DATE: 11-01-99 | START TIME: 10:25:00 am | END TIME: 11:24:45 am

SEC / MIN	0	15	30	45	SEC / MIN	0	15	30	45
1	0	0	0	0	31	0	0	0	0
2	0	0	0	0	32	0	0	0	0
3	0	0	0	0	33	0	0	0	0
4	0	0	0	0	34	0	0	0	0
5	0	0	0	0	35	0	0	0	0
6	0	0	0	0	36	0	0	0	0
7	0	0	0	0	37	0	0	0	0
8	0	0	0	0	38	0	0	0	0
9	0	0	0	0	39	0	0	0	0
10	0	0	0	0	40	0	0	0	0
11	0	0	0	0	41	0	0	0	0
12	0	0	0	0	42	0	0	0	0
13	0	0	0	0	43	0	0	0	0
14	0	0	0	0	44	0	0	0	0
15	0	0	0	0	45	0	0	0	0
16	0	0	0	0	46	0	0	0	0
17	0	0	0	0	47	0	0	0	0
18	0	0	0	0	48	0	0	0	0
19	0	0	0	0	49	0	0	0	0
20	0	0	0	0	50	0	0	0	0
21	0	0	0	0	51	0	0	0	0
22	0	0	0	0	52	0	0	0	0
23	0	0	0	0	53	0	0	0	0
24	0	0	0	0	54	0	0	0	0
25	0	0	0	0	55	0	0	0	0
26	0	0	0	0	56	0	0	0	0
27	0	0	0	0	57	0	0	0	0
28	0	0	0	0	58	0	0	0	0
29	0	0	0	0	59	0	0	0	0
30	0	0	0	0	60	0	0	0	0

AVERAGE OPACITY: 0% | HIGHEST SIX MINUTE INTERVAL: 0%

OBSERVER'S NAME (PRINT): Bernard A. Ball, Jr.

OBSERVER'S SIGNATURE: Bernard A. Ball Jr. | DATE: 11-01-99

ORGANIZATION: Central Florida Testing Laboratories, Inc.

CERTIFIED BY: E.T.A. - Tampa | DATE: 8-1999

CENTRAL FLORIDA TESTING LABORATORIES, INC.

VISIBLE EMISSIONS OBSERVATION FORM

METHOD USED (CIRCLE ONE): METHOD 9 | 203A | 203B | OTHER:

FORM NUMBER: | PAGE 1 OF 1

CONTINUED ON VEO NUMBER:

COMPANY NAME: White Rock Quarries

STREET ADDRESS: 12030 Alico Road | CITY: Ft. Myers

MAILING ADDRESS: Post Office Box 15065

CITY: W. Palm Beach | STATE: Florida | ZIP: 33416

PHONE/KEY CONTACT: | SOURCE PERMIT NUMBER: 7775081-001-AC

PROCESS EQUIPMENT: Crushing Unit & Ops Screener to Material Disch. Belt | OPERATING MODE: See Below

CONTROL EQUIPMENT: Water Spray Bar System | OPERATING MODE: See Below

DESCRIBE EMISSION PT.: Drop Point from Vibrating Screener to Screened Material Discharge Belt

DISTANCE TO EMISS. PT. START 132' END 132' | DIRECTION TO EMISS. PT. (DEGREES) START 252° END 252°

HEIGHT OF EMISS PT. START ~10' END ~10' | HEIGHT TO EMISS. PT. REL. TO OBSERVER START ~7' END ~7'

VERTICAL ANGLE TO OBS. PT. START 10 END 10 | DIRECTION TO OBS. PT. (DEGREES) START 252° END 252°

APPROX. DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV. PT START Same END Same

DESCRIBE EMISSIONS START None END None

EMISSION COLOR START None END None | WATER DROPLET PLUME ☐ ATTACHED ☐ DETACHED ☒ NONE

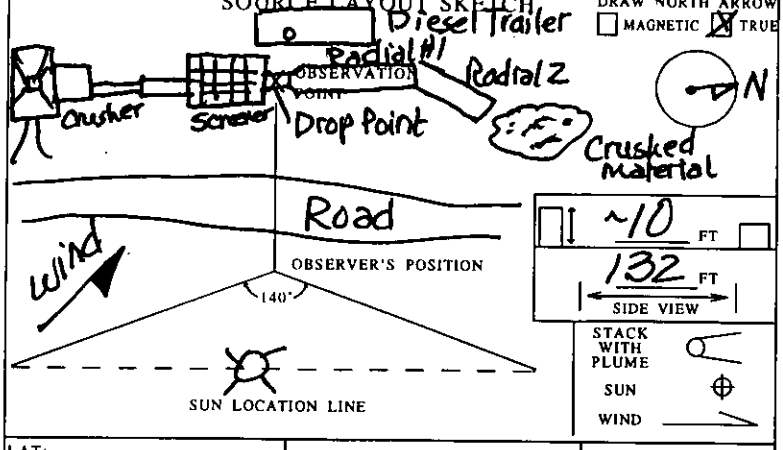
DESCRIBE PLUME BACKGROUND START Diesel Trailer END Diesel Trailer

BACKGROUND COLOR START Gray END Gray | SKY CONDITIONS START Scattered END Scattered

WIND SPEED START 5-10mph END 5-12mph | WIND DIRECTION FROM START ESE END ESE

AMBIENT TEMPERATURE START 81.5°F END 84.3°F | WET BULB TEMP. | PERCENT H2O 74%

SOURCE LAYOUT SKETCH — DRAW NORTH ARROW ☐ MAGNETIC ☒ TRUE



LAT: | LONG: | DECLINATION

ADDITIONAL INFORMATION: See Process Weight Section for PW Determination. No objectionable odors. Crushing mixed concrete & asphalt. Water Spray System turned on at all points @ 25psi ~15min for demonstration, otherwise not needed.

OBSERVATION DATE: 11-01-99 | START TIME: 10:25:00am | END TIME: 11:24:45am

MIN	SEC 0	15	30	45	MIN	SEC 0	15	30	45
1	0	0	0	0	31	0	0	0	0
2	0	0	0	0	32	0	0	0	0
3	0	0	0	0	33	0	0	0	0
4	0	0	0	0	34	0	0	0	0
5	0	0	0	0	35	0	0	0	0
6	0	0	0	0	36	0	0	0	0
7	0	0	0	0	37	0	0	0	0
8	0	0	0	0	38	0	0	0	0
9	0	0	0	0	39	0	0	0	0
10	0	0	0	0	40	0	0	0	0
11	0	0	0	0	41	0	0	0	0
12	0	0	0	0	42	0	0	0	0
13	0	0	0	0	43	0	0	0	0
14	0	0	0	0	44	0	0	0	0
15	0	0	0	0	45	0	0	0	0
16	0	0	0	0	46	0	0	0	0
17	0	0	0	0	47	0	0	0	0
18	0	0	0	0	48	0	0	0	0
19	0	0	0	0	49	0	0	0	0
20	0	0	0	0	50	0	0	0	0
21	0	0	0	0	51	0	0	0	0
22	0	0	0	0	52	0	0	0	0
23	0	0	0	0	53	0	0	0	0
24	0	0	0	0	54	0	0	0	0
25	0	0	0	0	55	0	0	0	0
26	0	0	0	0	56	0	0	0	0
27	0	0	0	0	57	0	0	0	0
28	0	0	0	0	58	0	0	0	0
29	0	0	0	0	59	0	0	0	0
30	0	0	0	0	60	0	0	0	0

AVERAGE OPACITY 0% | HIGHEST SIX MINUTE INTERVAL 0%

OBSERVER'S NAME (PRINT): Bernard A. Ball, Jr.

OBSERVER'S SIGNATURE: Bernard A. Ball Jr. | DATE: 11-01-99

ORGANIZATION: Central Florida Testing Laboratories, Inc.

CERTIFIED BY: E.T.A. - Tampa | DATE: 8-1999

CENTRAL FLORIDA TESTING LABORATORIES, INC.

VISIBLE EMISSIONS OBSERVATION FORM

METHOD USED (CIRCLE ONE): METHOD 9 | 203A | 203B | OTHER:

FORM NUMBER: | PAGE 1 OF 1

CONTINUED ON VEO NUMBER:

COMPANY NAME: White Rock Quarries

STREET ADDRESS: 12030 Alico Road | CITY: Ft. Myers

MAILING ADDRESS: Post Office Box 15065

CITY: W. Palm Beach | STATE: Florida | ZIP: 33416

PHONE/KEY CONTACT: | SOURCE PERMIT NUMBER: 7775081-001-AC

OBSERVATION DATE: 11-01-99 | START TIME: 10:25:00am | END TIME: 11:24:45am

PROCESS EQUIPMENT: Crushing Unit EP006 Material Discharge to Radial #1 | OPERATING MODE: See Below

CONTROL EQUIPMENT: Water Spray Bar System | OPERATING MODE: See Below

DESCRIBE EMISSION PT.: Drop Point from Screened Material Discharge Belt to Radial Stacker #1

DISTANCE TO EMISS. PT. START: 132' END: 132' | DIRECTION TO EMISS. PT. (DEGREES) START: 254° END: 254°

HEIGHT OF EMISS. PT. START: ~8' END: ~8' | HEIGHT TO EMISS. PT. REL. TO OBSERVER START: ~5' END: ~5'

VERTICAL ANGLE TO OBS. PT. START: 0° END: 0° | DIRECTION TO OBS. PT. (DEGREES) START: 254° END: 254°

APPROX. DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV. PT START: Same END: Same

DESCRIBE EMISSIONS START: None END: None

EMISSION COLOR START: None END: None | WATER DROPLET PLUME: ☐ ATTACHED ☐ DETACHED ☒ NONE

DESCRIBE PLUME BACKGROUND START: Diesel Trailer END: Diesel Trailer

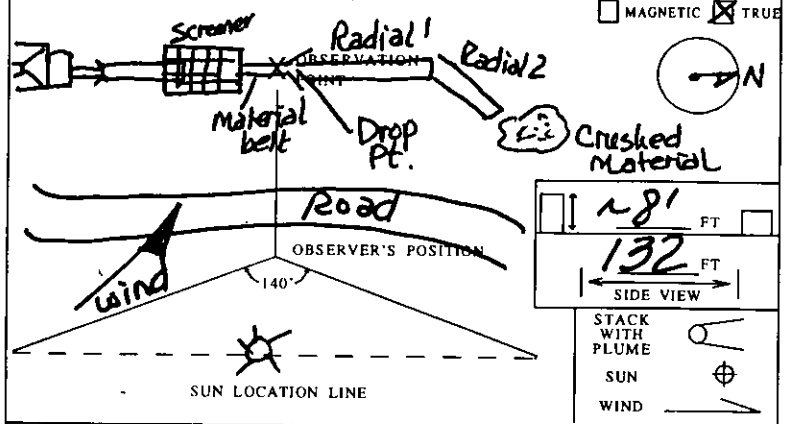
BACKGROUND COLOR START: Gray END: Gray | SKY CONDITIONS START: Scattered END: Scattered

WIND SPEED START: 5-10mph END: 5-10mph | WIND DIRECTION START: ESE FROM END: ESE

AMBIENT TEMPERATURE START: 81.5°F END: 84.3°F | WET BULB TEMP.: | PERCENT RH: 74%

SOURCE LAYOUT SKETCH

DRAW NORTH ARROW: ☐ MAGNETIC ☒ TRUE



LAT: | LONG: | DECLINATION

ADDITIONAL INFORMATION

For Process Weight Determination see PW Section.
No objectionable odors! Crushing mix concrete & asphalt. Water spray bar system turned on at all points @ 25psi ~15min for demonstration

MIN \ SEC	0	15	30	45	MIN \ SEC	0	15	30	45
1	0	0	0	0	31	0	0	0	0
2	0	0	0	0	32	0	0	0	0
3	0	0	0	0	33	0	0	0	0
4	0	0	0	0	34	0	0	0	0
5	0	0	0	0	35	0	0	0	0
6	0	0	0	0	36	0	0	0	0
7	0	0	0	0	37	0	0	0	0
8	0	0	0	0	38	0	0	0	0
9	0	0	0	0	39	0	0	0	0
10	0	0	0	0	40	0	0	0	0
11	0	0	0	0	41	0	0	0	0
12	0	0	0	0	42	0	0	0	0
13	0	0	0	0	43	0	0	0	0
14	0	0	0	0	44	0	0	0	0
15	0	0	0	0	45	0	0	0	0
16	0	0	0	0	46	0	0	0	0
17	0	0	0	0	47	0	0	0	0
18	0	0	0	0	48	0	0	0	0
19	0	0	0	0	49	0	0	0	0
20	0	0	0	0	50	0	0	0	0
21	0	0	0	0	51	0	0	0	0
22	0	0	0	0	52	0	0	0	0
23	0	0	0	0	53	0	0	0	0
24	0	0	0	0	54	0	0	0	0
25	0	0	0	0	55	0	0	0	0
26	0	0	0	0	56	0	0	0	0
27	0	0	0	0	57	0	0	0	0
28	0	0	0	0	58	0	0	0	0
29	0	0	0	0	59	0	0	0	0
30	0	0	0	0	60	0	0	0	0

AVERAGE OPACITY: 0% | HIGHEST SIX MINUTE INTERVAL: 0%

OBSERVER'S NAME (PRINT): Bernard A. Ball, Jr.

OBSERVER'S SIGNATURE: Bernard A. Ball Jr. | DATE: 11-01-99

ORGANIZATION: Central Florida Testing Laboratories, Inc.

CERTIFIED BY: E.T.A. - Tampa | DATE: 8-1999

CENTRAL FLORIDA TESTING LABORATORIES, INC.

VISIBLE EMISSIONS OBSERVATION FORM

METHOD USED (CIRCLE ONE): METHOD 9 | 203A | 203B | OTHER:

FORM NUMBER | PAGE 1 OF 1

CONTINUED ON VEO NUMBER

COMPANY NAME: White Rock Quarries

STREET ADDRESS: 12030 Alico Road | CITY: Ft. Myers

MAILING ADDRESS: Post Office Box 15065

CITY: W. Palm Beach | STATE: Florida | ZIP: 33416

PHONE/KEY CONTACT | SOURCE PERMIT NUMBER: 7775081-001-AC

OBSERVATION DATE: 11-01-99 | START TIME: 11:50:00AM | END TIME: 12:49:45pm

PROCESS EQUIPMENT: Crushing Unit EP001 Stacker #1 to Stacker #2 | OPERATING MODE: See Below

CONTROL EQUIPMENT: Water Spray Bar System | OPERATING MODE: —

DESCRIBE EMISSION PT.: Drop Point from Radial Stacker No. 1 to Radial Stacker No. 2

DISTANCE TO EMISS. PT. START: 136' END: 136' | DIRECTION TO EMISS. PT. (DEGREES) START: 268° END: 268°

HEIGHT OF EMISS. PT. START: ~6' END: ~6' | HEIGHT TO EMISS. PT. REL. TO OBSERVER START: ~3' END: ~3'

VERTICAL ANGLE TO OBS. PT. START: 0° END: 0° | DIRECTION TO OBS. PT. (DEGREES) START: 268° END: 268°

APPROX. DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV. PT START: Same END: Same

DESCRIBE EMISSIONS START: None END: None

EMISSION COLOR START: None END: None | WATER DROPLET PLUME: ☐ ATTACHED ☐ DETACHED ☒ NONE

DESCRIBE PLUME BACKGROUND START: Ground END: Ground

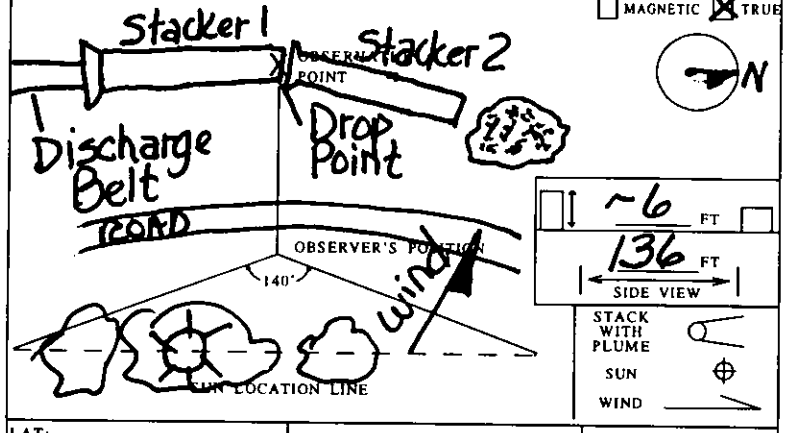
BACKGROUND COLOR START: Black END: Black | SKY CONDITIONS START: Overcast END: Overcast

WIND SPEED START: 8-12mph END: 8-12mph | WIND DIRECTION START: ESE FROM END: ESE

AMBIENT TEMPERATURE START: 85.2°F END: 86.7°F | WET BULB TEMP. | PERCENT RH: 76%

SOURCE LAYOUT SKETCH

DRAW NORTH ARROW: ☐ MAGNETIC ☒ TRUE



MIN \ SEC	0	15	30	45	MIN \ SEC	0	15	30	45
1	0	0	0	0	31	0	0	0	0
2	0	0	0	0	32	0	0	0	0
3	0	0	0	0	33	0	0	0	0
4	0	0	0	0	34	0	0	0	0
5	0	0	0	0	35	0	0	0	0
6	0	0	0	0	36	0	0	0	0
7	0	0	0	0	37	0	0	0	0
8	0	0	0	0	38	0	0	0	0
9	0	0	0	0	39	0	0	0	0
10	0	0	0	0	40	0	0	0	0
11	0	0	0	0	41	0	0	0	0
12	0	0	0	0	42	0	0	0	0
13	0	0	0	0	43	0	0	0	0
14	0	0	0	0	44	0	0	0	0
15	0	0	0	0	45	0	0	0	0
16	0	0	0	0	46	0	0	0	0
17	0	0	0	0	47	0	0	0	0
18	0	0	0	0	48	0	0	0	0
19	0	0	0	0	49	0	0	0	0
20	0	0	0	0	50	0	0	0	0
21	0	0	0	0	51	0	0	0	0
22	0	0	0	0	52	0	0	0	0
23	0	0	0	0	53	0	0	0	0
24	0	0	0	0	54	0	0	0	0
25	0	0	0	0	55	0	0	0	0
26	0	0	0	0	56	0	0	0	0
27	0	0	0	0	57	0	0	0	0
28	0	0	0	0	58	0	0	0	0
29	0	0	0	0	59	0	0	0	0
30	0	0	0	0	60	0	0	0	0

LAT: | LONG: | DECLINATION

AVERAGE OPACITY: 0% | HIGHEST SIX MINUTE INTERVAL: 0%

ADDITIONAL INFORMATION: See Process Weight Determination. No objectionable odors! Crushing mixed concrete & asphalt. Spray System not in operation, not needed.

OBSERVER'S NAME (PRINT): Bernard A. Ball, Jr.

OBSERVER'S SIGNATURE: Bernard A. Ball Jr. | DATE: 11-01-99

ORGANIZATION: Central Florida Testing Laboratories, Inc.

CERTIFIED BY: E.T.A. - Tampa | DATE: 8-1999

CENTRAL FLORIDA TESTING LABORATORIES, INC.

VISIBLE EMISSIONS OBSERVATION FORM

METHOD USED (CIRCLE ONE): METHOD 9 | 203A | 203B | OTHER:

FORM NUMBER | PAGE 1 OF 1

CONTINUED ON VEO NUMBER

COMPANY NAME: White Rock Quarries

STREET ADDRESS: 12030 Alico Road | CITY: Ft. Myers

MAILING ADDRESS: Post Office Box 15065

CITY: W. Palm Beach | STATE: Florida | ZIP: 33416

PHONE/KEY CONTACT | SOURCE PERMIT NUMBER: 7775081-001-AC

PROCESS EQUIPMENT: Crushing Unit EP003 Stacker #2 to Stockpile | OPERATING MODE: See Below

CONTROL EQUIPMENT: Water Spray Bar System | OPERATING MODE: —

DESCRIBE EMISSION PT.: Drop Point from Radial Stacker No. 2 to Stockpile

DISTANCE TO EMISS. PT. START: 131' END: 131' | DIRECTION TO EMISS. PT. (DEGREES) START: 284° END: 284°

HEIGHT OF EMISS. PT. START: ~12' END: ~12' | HEIGHT TO EMISS. PT. REL. TO OBSERVER START: ~9' END: ~9'

VERTICAL ANGLE TO OBS. PT. START: 3° END: 3° | DIRECTION TO OBS. PT. (DEGREES) START: 284° END: 284°

APPROX. DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV. PT START: Same END: Same

DESCRIBE EMISSIONS START: Occassional fugitives @ wind gust END: same

EMISSION COLOR START: lt. gray END: lt. gray | WATER DROPLET PLUME: ☐ ATTACHED ☐ DETACHED ☒ NONE

DESCRIBE PLUME BACKGROUND START: Sky END: Sky

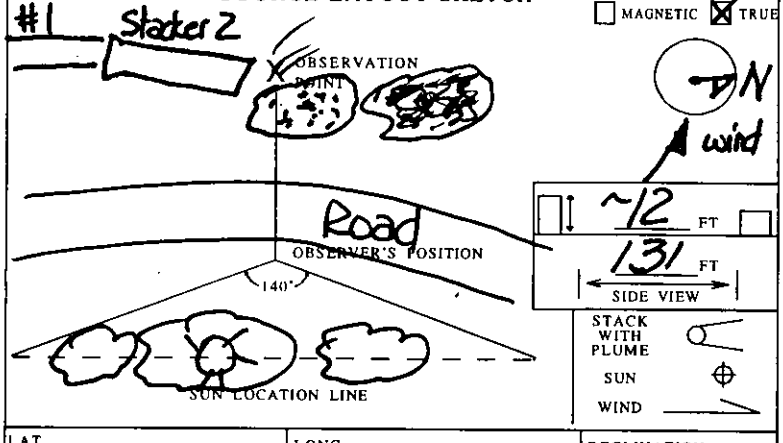
BACKGROUND COLOR START: Dk. Blue END: Dk. Blue | SKY CONDITIONS START: Overcast END: Overcast

WIND SPEED START: 8-12mph END: 8-12mph | WIND DIRECTION START: ESE FROM END: ESE

AMBIENT TEMPERATURE START: 85.2°F END: 86.7°F | WET BULB TEMP. | PERCENT RH: 76%

SOURCE LAYOUT SKETCH

DRAW NORTH ARROW: ☐ MAGNETIC ☒ TRUE



LAT.	LONG:	DECLINATION

ADDITIONAL INFORMATION: See Process Weight Statement for PW = No objectionable odors. Crushing reclaimed mixed asphalt & concrete. Spray Bar System not in operation, not needed.

OBSERVATION DATE: 11-01-99 | START TIME: 11:50:00am | END TIME: 12:49:45pm

SEC / MIN	0	15	30	45	SEC / MIN	0	15	30	45
1	0	0	0	0	31	0	0	0	0
2	0	0	0	0	32	0	5	0	0
3	0	0	0	0	33	0	0	0	0
4	0	0	5	0	34	0	0	0	0
5	0	0	0	0	35	0	0	0	0
6	0	0	0	0	36	0	0	0	0
7	0	0	0	0	37	0	0	0	0
8	0	5	0	0	38	0	5	5	0
9	0	0	0	0	39	0	0	0	0
10	0	0	0	5	40	0	0	0	0
11	5	0	0	0	41	0	0	0	0
12	0	0	0	0	42	0	0	0	0
13	0	0	0	0	43	5	0	0	0
14	0	0	0	0	44	0	0	0	0
15	0	0	0	0	45	0	0	0	0
16	0	0	0	0	46	0	0	0	0
17	5	5	0	0	47	0	0	0	0
18	0	0	0	0	48	0	0	0	0
19	0	0	0	0	49	0	0	0	0
20	0	0	0	0	50	0	0	5	0
21	0	0	0	0	51	0	0	0	0
22	0	0	5	0	52	0	0	0	0
23	0	0	0	0	53	0	0	0	0
24	0	0	0	0	54	0	0	0	0
25	0	0	0	5	55	0	5	10	0
26	0	0	0	0	56	0	0	0	0
27	0	0	0	0	57	0	0	0	5
28	0	0	0	0	58	0	0	0	0
29	0	0	0	0	59	0	0	0	0
30	5	0	0	0	60	0	0	0	0

AVERAGE OPACITY: 0.4% | HIGHEST SIX MINUTE INTERVAL: 0.8%

OBSERVER'S NAME (PRINT): Bernard A. Ball, Jr.

OBSERVER'S SIGNATURE: Bernard A. Ball Jr. | DATE: 11-01-99

ORGANIZATION: Central Florida Testing Laboratories, Inc.

CERTIFIED BY: E.T.A. - Tampa | DATE: 8-1999

CENTRAL FLORIDA TESTING LABORATORIES, INC.

VISIBLE EMISSIONS OBSERVATION FORM

METHOD USED (CIRCLE ONE): METHOD 9 | 203A | 203B | OTHER:

FORM NUMBER | PAGE 1 OF 1

CONTINUED ON VEO NUMBER

COMPANY NAME: White Rock Quarries

STREET ADDRESS: 12030 Alico Road | CITY: Ft. Myers

MAILING ADDRESS: Post Office Box 15065

CITY: W. Palm Beach | STATE: Florida | ZIP: 33416

PHONE/KEY CONTACT | SOURCE PERMIT NUMBER: 7775081-001-AC

PROCESS EQUIPMENT: Crushing unit EP009- Diesel Generator | OPERATING MODE: See Below

CONTROL EQUIPMENT: None | OPERATING MODE: —

DESCRIBE EMISSION PT.: 6" exhaust stack exiting top of diesel generator trailer

DISTANCE TO EMISS. PT. START: 146' END: 146' | DIRECTION TO EMISS. PT. (DEGREES) START: 252° END: 252°

HEIGHT OF EMISS. PT. START: ~14' END: ~14' | HEIGHT TO EMISS. PT. REL. TO OBSERVER START: ~11' END: ~11'

VERTICAL ANGLE TO OBS. PT. START: 2° END: 2° | DIRECTION TO OBS. PT. (DEGREES) START: 252° END: 252°

APPROX. DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV. PT START: Same END: Same

DESCRIBE EMISSIONS START: Heat Vapor END: Heat Vapor

EMISSION COLOR START: Clear END: Clear | WATER DROPLET PLUME: ☐ ATTACHED ☐ DETACHED ☒ NONE

DESCRIBE PLUME BACKGROUND START: SKY END: SKY

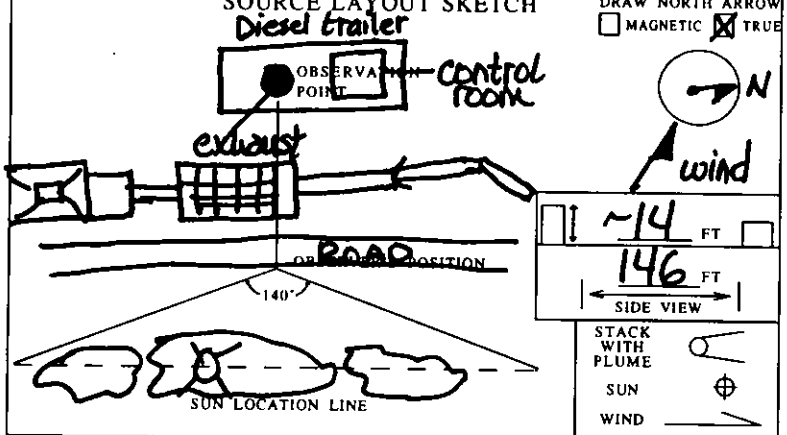
BACKGROUND COLOR START: Dk. Blue END: Dk. Blue | SKY CONDITIONS START: Overcast END: Overcast

WIND SPEED START: 8-12mph END: 8-12mph | WIND DIRECTION START: ESE FROM END: ESE

AMBIENT TEMPERATURE START: 85.2°F END: 86.7°F | WET BULB TEMP. | PERCENT RH: 76%

SOURCE LAYOUT SKETCH

DRAW NORTH ARROW: ☐ MAGNETIC ☒ TRUE



LAT: | LONG: | DECLINATION

ADDITIONAL INFORMATION: Diesel Gen-Set consuming No.2 virgin diesel fuel @ 11.1 gal/hr during test. No objectionable odors. Gen-Set @ maximum output.

OBSERVATION DATE: 11-01-99 | START TIME: 11:30:00am | END TIME: 12:49:45pm

SEC / MIN	0	15	30	45	SEC / MIN	0	15	30	45
1	0	0	0	0	31	0	0	0	0
2	0	0	0	0	32	0	0	0	0
3	0	0	0	0	33	0	0	0	0
4	0	0	0	0	34	0	0	0	0
5	0	0	0	0	35	0	0	0	0
6	0	0	0	0	36	0	0	0	0
7	0	0	0	0	37	0	0	0	0
8	0	0	0	0	38	0	0	0	0
9	0	0	0	0	39	0	0	0	0
10	0	0	0	0	40	0	0	0	0
11	0	0	0	0	41	0	0	0	0
12	0	0	0	0	42	0	0	0	0
13	0	0	0	0	43	0	0	0	0
14	0	0	0	0	44	0	0	0	0
15	0	0	0	0	45	0	0	0	0
16	0	0	0	0	46	0	0	0	0
17	0	0	0	0	47	0	0	0	0
18	0	0	0	0	48	0	0	0	0
19	0	0	0	0	49	0	0	0	0
20	0	0	0	0	50	0	0	0	0
21	0	0	0	0	51	0	0	0	0
22	0	0	0	0	52	0	0	0	0
23	0	0	0	0	53	0	0	0	0
24	0	0	0	0	54	0	0	0	0
25	0	0	0	0	55	0	0	0	0
26	0	0	0	0	56	0	0	0	0
27	0	0	0	0	57	0	0	0	0
28	0	0	0	0	58	0	0	0	0
29	0	0	0	0	59	0	0	0	0
30	0	0	0	0	60	0	0	0	0

AVERAGE OPACITY: 0% | HIGHEST SIX MINUTE INTERVAL: 0%

OBSERVER'S NAME (PRINT): Bernard A. Ball Jr.

OBSERVER'S SIGNATURE: Bernard A. Ball Jr. | DATE: 11-01-99

ORGANIZATION: Central Florida Testing Laboratories, Inc.

CERTIFIED BY: E.T.A. - Tampa | DATE: 8-1999

III. SUPPLEMENTAL INFORMATION
B. Process Weight Determination

CENTRAL FLORIDA TESTING LABORATORIES, INC.
12625 - 40th Street North - Clearwater, Florida 33762
(727)572-9797 (800)248-CFTL

WHITE ROCK QUARRIES

Reclaimed Asphalt & Concrete Crushing Unit
Initial Emissions Compliance Test
Determination of Process Weight

Date	Run No.	Time Start	Time Stop	Total Material Crushed (weigh bridge) Start	Total Material Crushed (weigh bridge) Stop
11/01/99	V.E.	8:00 a.m.	11:30 a.m.	0.0	860.5
11/01/99	V.E.	11:45 a.m.	1:00 p.m.	0.0	307.9

PROCESS WEIGHT

*** all material crushed is measured across a weigh bridge*

$$Pw = \frac{\text{Total Tons Crushed}}{\text{Total Crushing Time}}$$

Run No.1

$$Pw = \frac{(860.5)\text{ tons}}{\text{3 hour 30 minutes}} = 245.9\text{ ton/hr}$$

Run No.2

$$Pw = \frac{(307.9)\text{ ton}}{\text{1 hour 15 minutes}} = 246.3\text{ ton/hr}$$

I certify that the above statements are true to the best of my knowledge and belief.

Mr. Jerry Kinkead, Plant Operations Supervisor

III. SUPPLEMENTAL INFORMATION
C. Fuel Analysis (Generator)

990 NORTH DOCK STREET / PORT MANATEE
PALMETTO, FL 34221
(941) 723-2263
ASTM MEMBER

REPORT OF LABORATORY ANALYSIS

LAB NO. ML 85402 SAMPLE MARKED: STK 407 after "Mekhanik Yuriya

SAMPLE DATE: 10-27-99 REPORT DATE: 10-28-99

LOCATION: Coastal Refining&Marketing Inc.-Port Manatee

SAMPLE SUBMITTED BY: Intertek Caleb Bratt

SAMPLE DESCRIPTION: DIESEL HIGH SULFUR

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

BY Marie Calhoon
MARIE F. CALHOON, CHEMIST

III. SUPPLEMENTAL INFORMATION
D. Plant Operation & Maintenance Logs

Location: APAC - Ft. Myers @ Alico Road

Month / Date	Hours of Operation Crusher Start	Stop	Total Hours of Operation Crusher	Total Material Crushed (tons)	Water Pressure to Spray Bars (PSI)	Hours of Operation Diesel Generator Start	Stop	Total Hours of Operation Generator	Total Gallons Fuel Used (Daily)	Maintenance Performed & Operating Comments
Mon.										
Tues. 10/26/99	3:00 pm	7:00 pm	4.0	798.4 (199.6 tph)	Not Needed NO Dust	3:00 pm	7:00 pm	4.0	48.8 gals (12.2 gal/hr)	set up plant greased bearings check spray bars & components
Wed. 10/27/99	7:00 AM	8:00 pm	13.0	2509.8 (193.1 tph)	~20 psi	7:00 AM	8:00 pm	13.0	150.8 gals (11.6 gal./hr)	grease plant check spray bar function
Thurs. 10/28/99	7:15 AM	10:15 AM	3.0	760.5 (253.5 tph)	NOT Needed NO Dust	7:15 AM	10:30 AM	3.25	38.8 gals (11.9 gal./hr)	Plant break down - repair screener
Fri. 10/29/99	7:00 AM	2:30 pm	7.5	1902.6 (253.7 tph)	Not Needed NO Dust	7:00 AM	2:30 pm	7.5	90.0 gals (12.0 gal./hr)	Adjust screener grease plant clean out grizzly feeder
Sat.	N/A		—							
Sun.	N/A		—							
Weekly Totals:			27.5	5971.3 (217.1 TPH)				27.75	328.4 gals (11.8 gal./hr)	

Location: APAC-Ft. Myers @ Alico Road

Month / Date	Hours of Operation Crusher Start	Stop	Total Hours of Operation Crusher	Total Material Crushed (tons)	Water Pressure to Spray Bars (PSI)	Hours of Operation Diesel Generator Start	Stop	Total Hours of Operation Generator	Total Gallons Fuel Used (Daily)	Maintenance Performed & Operating Comments
Mon. 11/04/99	7:00 AM	5:00 pm	10.0	2475.9 (247.6 tph)	None Needed No Dust	6:45 AM	5:00pm	10.25	117.9 gals. (11.5 gal./hr)	Clean out crusher, grease Clean spray bar screen
Tues.										
Wed.										
Thurs.										
Fri.										
Sat.										
Sun.										
Weekly Totals:										