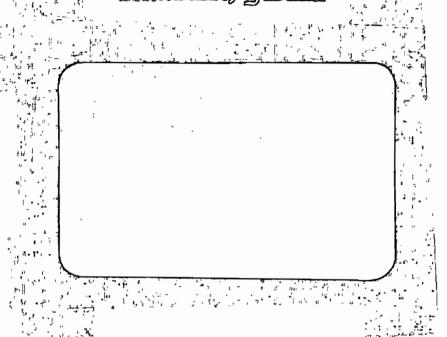
# Central Florida Testing Laboratories, Inc. \*\*Contral Florida Laboratories, Inc. \*\*Contral Florida Laboratories,





Desting Development and Research
Engineering Commitments

# RECEIVED

FER 28 1999

BUREAU OF AIR REGULATION

# **White Rock Quarries**

Portable - Bohringer Model RC10, Reclaimed Asphalt and Concrete Crushing Unit

FDEP Construction Permit Application
February - 1999



# Department of Environmental Protection

#### DIVISION OF AIR RESOURCES MANAGEMENT

### APPLICATION FOR AIR PERMIT - LONG FORM

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

### I. APPLICATION INFORMATION

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

## **Identification of Facility Addressed in This Application**

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

1.	Facility Owner/Company N	Name:			
	Mr. Jim Hurley	y, Executive V	ice Presido	ent - Quarric	S
		White Rock	Quarries		
2.	Site Name:				
		White Rock	Quarries		
3.	Facility Identification Num	ıber:	[X]	Unknown	
4.	Facility Location: (base loc				
	Street Address or Other Lo	cator: 1401 Reed C	anal Road		
	City: Port Orange	County: Volusia	Zip Code: 3	32119	
	City. Furt Orange	County. Volusia			
5.	Relocatable Facility?		Existing Permi		
5.					

#### Application Processing Information (DEP Use)

1. Date of Receipt of Application:	
2. Permit Number:	
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	•

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

Effective: 3-21-96

## Owner/Authorized Representative or Responsible Official

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

Mr. Jim Hurley, Executive Vice President - Quarries

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

Organization/Firm: White Rock Quarries
Street Address: Post Office Box 15065

City: West Palm Beach State: Florida

Zip Code: **33416** 

3. Owner/Authorized Representative or Responsible Official Telephone Numbers:

Telephone: (561) 793-2102

Fax: (561) 798-3778

4. Owner/Authorized Representative or Responsible Official Statement:

I, the undersigned, am the owner or authorized representative\* of the non-Title V source addressed in this Application for Air Permit or the responsible official, as defined in Rule 62-210.200, F.A.C., of the Title V source addressed in this application, whichever is applicable. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. I understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions unit.

\* Attach letter of authorization if not currently on file.

2

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

Effective: 3-21-96

# **Scope of Application**

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

Emissions IInit ID	Description of Engineers III-i4	Permit
Emissions Unit ID	Description of Emissions Unit	Type
001	Bohringer, Model RC10 - raw material receiving hopper /	ACIT
001	vibrating grizzly feeder system used to feed uncrushed	AC1E
	material to crusher.	
	Bohringer, Model RC10 - Under Crusher Discharge Pan /	. ~
002	Discharge Belt – where material exits crushing unit to	AÇ1E
	conveyor system	
• • •	Drop Point from Crusher Discharge Belt to Pre-Screener	
003	Conveyor Belt	AC1E
	Drop point from Pre-Screener Screener Belt to Vibrating	
004	Screener Deck	AC1E
	Drop point from Vibrating Screener to Screened Material	
005	Discharge Belt	AC1E
	Drop point Screened Material Discharge Belt to Radial	
006	Stacker Belt No.1	AC1E
	Drop Radial Stacker Belt No.1 to Radial Stacker Belt No.2	
007		AC1E
	Drop from Radial Stacker Belt No.1 or No.2 to stockpile	
008		AC1E
	Caterpillar Inc 400 KVA, 320 kW generator set, fired on	
009	No.2 virgin diesel fuel with a sulfur limit of 0.5% by weight.	AC1E
•		
•		
•	·	
·.		

3

## **Purpose of Application and Category**

Check one (except as otherwise indicated):

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

11	as Application for Air Permit is submitted to obtain:
[	] Initial air operation permit under Chapter 62-213, F.A.C., for an existing facility which is classified as a Title V source.
[	] Initial air operation permit under Chapter 62-213, F.A.C., for a facility which, upon start up of one or more newly constructed or modified emissions units addressed in this application would become classified as a Title V source.
	Current construction permit number:
[	] Air operation permit renewal under Chapter 62-213, F.A.C., for a Title V source.
	Operation permit to be renewed:
[	] Air operation permit revision for a Title V source to address one or more newly constructed or modified emissions units addressed in this application.
	Current construction permit number:
	Operation permit to be revised:
[	] Air operation permit revision or administrative correction for a Title V source to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application. Also check Category III.
	Operation permit to be revised/corrected:
[	] Air operation permit revision for a Title V source for reasons other than construction or modification of an emissions unit. Give reason for the revision; e.g., to comply with a new applicable requirement or to request approval of an "Early Reductions" proposal.
.•	Operation permit to be revised:
	Reason for revision:

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

This Application for Air Permit is submitted to obtain:	
[ ] Initial air operation permit under Rule 62-210.300(2)(b), F.A.C., for an existing facility seeking classification as a synthetic non-Title V source.	ty
Current operation/construction permit number(s):	
[ ] Renewal air operation permit under Rule 62-210.300(2)(b), F.A.C., for a synthetic no Title V source.	n-
Operation permit to be renewed:	
[ ] Air operation permit revision for a synthetic non-Title V source. Give reason for review, to address one or more newly constructed or modified emissions units.	sion;
Operation permit to be revised:	
Reason for revision:	
Category III: All Air Construction Permit Applications for All Facilities and Emission Units	as
This Application for Air Permit is submitted to obtain:	
[ ] Air construction permit to construct or modify one or more emissions units within a function of the construction permit to construct or modify one or more emissions units within a function of the construction permit to construct or modify one or more emissions units within a function of the construction permit to construct or modify one or more emissions units within a function of the construction permit to construct or modify one or more emissions units within a function of the construction permit to construct or modify one or more emissions units within a function of the construction of the co	acility
Current operation permit number(s), if any:	
[ ] Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.	
Current operation permit number(s):	
[X] Air construction permit for one or more existing, but unpermitted, emissions units.	

### **Application Processing Fee**

Ch	eck	οn	۰.
$\mathbf{u}$	CLA	$\mathbf{v}\mathbf{u}$	٠.

[X] Attached - Amount: \$ 2000.00 [ ] Not Applicable.

(\* \$1000.00 for Crusher Emissions, \$1000.00 for Generator Emissions – both less than 25 tpy but more than 5 tpy)

#### **Construction/Modification Information**

1. Description of Proposed Project or Alterations:

This project consists of a "statewide" construction permit application for a Portable Bohringer Manufacturing Company, Inc. – Model RC10, Enclosed Crusher – Crushing, Screening and Aggregate Processing Plant recently purchased and being 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 below to crush and process reclaimed asphalt and concrete materials. The base or main location of this crushing unit will be at an asphalt plant location in Port Orange, Volusia County, Florida. Other locations have not been determined as of yet, but this crusher would like to operate in the counties listed in this 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.

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

Counties in which this portable Aggregate Crushing and Processing Unit would like to operate: Collier, Lee, Charlotte, Sarasota, Hillsborough, Pasco, Hernando, Pinellas, Highlands, Osceola, Seminole, Orange, Brevard, Manatee, St. Johns, Duval, Volusia, Polk, Sumter, Marion, Citrus, Palm Beach, Broward, Dade and St. Lucie Counties.

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:

**ASAP** 

3. Projected Date of Completion of Construction:

**JANUARY-2000** 

#### **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

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

Effective: 3-21-96

## 4. Professional Engineer Statement:

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

- (1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this Application for Air Permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and
- (2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.

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

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

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

NO. 158 Signature & (seal)

Attach any exception to certification statement.

\*\* With the exception of any efficiency or production guarantees made by manufacturer.

## **Application Contact**

1. Name and Title of Application Contact:

Mr. Bernard A. Ball, Jr., Environmental Specialist

2. Application Contact Mailing Address:

Organization/Firm: Central Florida Testing Laboratories, Inc Street Address: 12625 – 40<sup>th</sup> Street North City: Clearwater

State: Florida Zip Code: 33762

3. Application Contact Telephone Numbers:

Telephone: (727) 572-9797 Fax: (727) 299-0023

#### **Application Comment**

This project consists of a "statewide" construction permit application for a Portable Bohringer Manufacturing Company, Inc. — Model RC10, Enclosed Crusher — Crushing, Screening and Aggregate Processing Plant recently purchased and being 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 below to crush and process reclaimed asphalt and concrete materials. The base or main location of this crushing unit will be at an asphalt plant location in Port Orange, Volusia County, Florida. Other locations have not been determined as of yet, but this crusher would like to operate in the counties listed below. 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.

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

Counties in which this portable Aggregate Crushing and Processing Unit would like to operate: Collier, Lee, Charlotte, Sarasota, Hillsborough, Pasco, Hernando, Pinellas, Highlands, Osceola, Seminole, Orange, Brevard, Manatee, St. Johns, Duval, Volusia, Polk, Sumter, Marion, Citrus, Palm Beach, Broward, Dade and St. Lucie Counties.

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.

#### II. FACILITY INFORMATION

#### A. GENERAL FACILITY INFORMATION

## Facility Location and Type

1.	Facility UTM Coor	dinates:			
	(for base/main location of crushing unit only, others not determined as of yet.)				
	Zone: <b>17</b>	East (km): 499.7	North (km): <b>3225.5</b>		
	2. Facility Latitud	e/Longitude:			
	(for base/main location of crushing unit only, others not determined as of yet.)				
	Latitude (DD/MM/SS): 29°09'37" Longitude (DD/MM/SS): 81°00'11"				
3.	Governmental	4. Facility Status	5. Facility Major	6. Facility SIC(s):	
	Facility Code:	Code:	Group SIC Code:		
	-		_		
	0	Construction	14	1422	

7. Facility Comment (limit to 500 characters):

This project consists of a "statewide" construction permit application for a Portable Bohringer Manufacturing Company, Inc. — Model RC10, Enclosed Crusher — Crushing, Screening and Aggregate Processing Plant recently purchased and being 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 below to crush and process reclaimed asphalt and concrete materials. The base or main location of this crushing unit will be at an asphalt plant location in Port Orange, Volusia County, Florida. Other locations have not been determined as of yet, but this crusher would like to operate in the counties listed in previous sections. 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 is a natural non-Title V facility and as in the past 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

9

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

Effective: 3-21-96

# **Facility Regulatory Classifications**

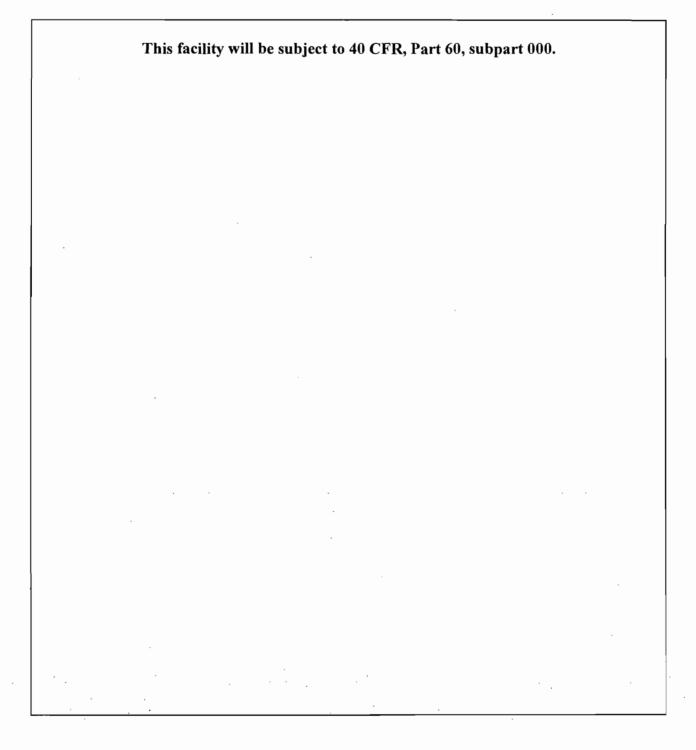
1.	Small Business Stationary S	ource?	
	[ ] Yes	[ ] No	[X] Unknown
			·
2.	Title V Source?		
	[ ] Yes	[X] No	
2	C41-44-NI T'41-X/ C	-0	
3.	Synthetic Non-Title V Source		
	[ ] Yes	[X] No	
4.	Major Source of Pollutants (	Other than Hazardous Air Pollu	itants (HAPs)?
'	[ ] Yes	[X] No	(-2 2 5)
5.	Synthetic Minor Source of P	ollutants Other than HAPs?	
	[X] Yes	[ ] No	
6.	Major Source of Hazardous	•	
	[ ] Yes	[X] No	
_	0 1 1 10 0 0	14 P. O	
/.	Synthetic Minor Source of H		
	[ ] Yes	[X] No	
Ω	One or More Emissions Unit	s Subject to NSPS?	
0.	[X] Yes	No	
		[ ] 110	•
9.	One or More Emission Units	Subject to NESHAP?	
	[ ] Yes	[X] No	
10.	Title V Source by EPA Design	gnation?	
	[ ] Yes	[X] No	
4.4	E '1', D 1, C1 'C'	/	
11.		ations Comment (limit to 200 Natural Non Title V Source	
		Natural Non Title v Source	
	. •		

10

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

## **B. FACILITY REGULATIONS**

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



# <u>List of Applicable Regulations</u> (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	·
62-210.350 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	
	·
·	
·	
<u> </u>	

# C. FACILITY POLLUTANTS

# **Facility Pollutant Information**

1. Pollutant Emitted	2. Pollutant Classification
PM10	SM
TSP	SM
SO2	SM
NOX	SM
СО	SM
тос	SM
,	
	_
·	

## D. FACILITY POLLUTANT DETAIL INFORMATION

Facility Pollutant Detail Information: Pollutant1 of6
1. Pollutant Emitted: PM10
2. Requested Emissions Cap: (#1) < 10% opacity from transfer points, belt conveyors, storage piles and vehicular traffic – (#2) <1 5% Opacity from crusher, <10% from feeder, discharger and screener (#3) < 20% opacity from Generator Exhaust – General Particulate Limiting Standards (62-296.31(2)(a)).
3. Basis for Emissions Cap Code: Rule
4. Facility Pollutant Comment (limit to 400 characters):  Facility is subject to opacity limitations only.
Facility Pollutant Detail Information: Pollutant 2 of 6
1. Pollutant Emitted: TSP
2. Requested Emissions Cap: Visible emissions limitations listed above.
3. Basis for Emissions Cap Code: Rule
4. Facility Pollutant Comment (limit to 400 characters):  Facility is subject to opacity limitations only.

Facility Pollutant Detail Information: Pollutant 3 of 6	
1. Pollutant Emitted: NOx (Gen-Set)	
2. Requested Emissions Cap: < 20% Opacity	
3. Basis for Emissions Cap Code: FAC 62-296.310	
4. Facility Pollutant Comment (limit to 400 characters):  Generator subject to opacity limits only.	
Facility Pollutant Detail Information: Pollutant4 of6	
1. Pollutant Emitted: CO (Gen-Set)	
2. Requested Emissions Cap: < 20% Opacity	
3. Basis for Emissions Cap Code: Fac 62-396.310	
4. Facility Pollutant Comment (limit to 400 characters):  Generator subject to opacity limits only.	

	·
1.	Pollutant Emitted: SO2
2.	Requested Emissions Cap: < 20% Opacity
3.	Basis for Emissions Cap Code: FAC 62-296.310
4.	Facility Pollutant Comment (limit to 400 characters):  Generator Subject to opacity limits only.
-	
<u>Fa</u>	cility Pollutant Detail Information: Pollutant 6 of 6
1.	Pollutant Emitted: Total TOC (Gen-Set)
2.	Requested Emissions Cap: < 20% opacity
3.	Basis for Emissions Cap Code: FAC 62-396.310
4.	Facility Pollutant Comment (limit to 400 characters):  Generator subject to opacity limits only.

Facility Pollutant Detail Information: Pollutant <u>5</u> of <u>6</u>

## E. FACILITY SUPPLEMENTAL INFORMATION

# **Supplemental Requirements for All Applications**

1.	Area Map Showing Facility Location:					
	[X] Attached, Document ID:I [ ] Not Applicable [ ] Waiver Requested					
2	Facility Plot Plan:					
2.	[X] Attached, Document ID:II [ ] Not Applicable [ ] Waiver Requested					
**	* Typical facility plot plan enclosed, as typically set up at crushing sites.					
	Process Flow Diagram(s):					
	[X] Attached, Document ID:III [ ] Not Applicable [ ] Waiver Requested					
4.	Precautions to Prevent Emissions of Unconfined Particulate Matter:					
	[ ] Attached, Document ID: [ ] Not Applicable [X ] Waiver Requested					
	Fugitive emissions from vehicular traffic and stockpiles will be site owner's responsibility.					
5.	Fugitive Emissions Identification:					
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested					
6.	Supplemental Information for Construction Permit Application:					
	[X ] Attached, Document ID: [ ] Not Applicable					
	Additional Supplemental Requirements for Category I Applications Only					
Ad	ditional Supplemental Requirements for Category I Applications Only					
<u>Ad</u>	ditional Supplemental Requirements for Category I Applications Only					
	List of Proposed Exempt Activities:					
	List of Proposed Exempt Activities:					
7.	List of Proposed Exempt Activities:					
7.	List of Proposed Exempt Activities:  [ ] Attached, Document ID: [X ] Not Applicable  List of Equipment/Activities Regulated under Title VI:					
7.	List of Proposed Exempt Activities:  [ ] Attached, Document ID: [X ] Not Applicable					
7.	List of Proposed Exempt Activities:  [ ] Attached, Document ID: [X ] Not Applicable  List of Equipment/Activities Regulated under Title VI:  [ ] Attached, Document ID:					
7.	List of Proposed Exempt Activities:  [ ] Attached, Document ID: [X ] Not Applicable  List of Equipment/Activities Regulated under Title VI:					
7.	List of Proposed Exempt Activities:  [ ] Attached, Document ID: [X ] Not Applicable  List of Equipment/Activities Regulated under Title VI:  [ ] Attached, Document ID:  [ ] Equipment/Activities On site but Not Required to be Individually Listed					
7.	List of Proposed Exempt Activities:  [ ] Attached, Document ID: [X ] Not Applicable  List of Equipment/Activities Regulated under Title VI:  [ ] Attached, Document ID:					
8.	List of Proposed Exempt Activities:  [ ] Attached, Document ID: [X] Not Applicable  List of Equipment/Activities Regulated under Title VI:  [ ] Attached, Document ID:  [ ] Equipment/Activities On site but Not Required to be Individually Listed  [X] Not Applicable					
8.	List of Proposed Exempt Activities:  [ ] Attached, Document ID: [X ] Not Applicable  List of Equipment/Activities Regulated under Title VI:  [ ] Attached, Document ID:  [ ] Equipment/Activities On site but Not Required to be Individually Listed  [X ] Not Applicable  Alternative Methods of Operation:					
<ul><li>7.</li><li>8.</li><li>9.</li></ul>	List of Proposed Exempt Activities:  [ ] Attached, Document ID: [X ] Not Applicable  List of Equipment/Activities Regulated under Title VI:  [ ] Attached, Document ID:  [ ] Equipment/Activities On site but Not Required to be Individually Listed  [X ] Not Applicable  Alternative Methods of Operation:  [ ] Attached, Document ID: [X ] Not Applicable					
<ul><li>7.</li><li>8.</li><li>9.</li></ul>	List of Proposed Exempt Activities:  [ ] Attached, Document ID: [X ] Not Applicable  List of Equipment/Activities Regulated under Title VI:  [ ] Attached, Document ID:  [ ] Equipment/Activities On site but Not Required to be Individually Listed  [X ] Not Applicable  Alternative Methods of Operation:  [ ] Attached, Document ID: [X ] Not Applicable					
<ul><li>7.</li><li>8.</li><li>9.</li></ul>	List of Proposed Exempt Activities:  [ ] Attached, Document ID: [X ] Not Applicable  List of Equipment/Activities Regulated under Title VI:  [ ] Attached, Document ID:  [ ] Equipment/Activities On site but Not Required to be Individually Listed  [X ] Not Applicable  Alternative Methods of Operation:					

11. Identification of Additional Applicable Requirements:			
[ ] Attached, Document ID: [X ] Not Applicable			
12. Compliance Assurance Monitoring Plan:			
[ ] Attached, Document ID: [X ] Not Applicable			
[ ] Mached, Boomient 13 [12 ] Not Applicable			
13. Risk Management Plan Verification:			
G			
Plan Submitted to Implementing Agency - Verification Attached,			
Document ID:			
Bootanin IBI			
[ ] Plan to be Submitted to Implementing Agency by Required Date			
[ ]			
[X ] Not Applicable			
Land 1 Production			
14. Compliance Report and Plan:			
[ ] Attached, Document ID: [X ] Not Applicable			
[ ]			
15. Compliance Certification (Hard-copy Required):			
Attached, Document ID: [X] Not Applicable			
[ ] Tradition, Doddition ID [Ix ] Trot repriessor			

# EMISSIONS ID. NO. 001 RECEIVING HOPPER / VIBRATING FEEDER

<b>Emissions Unit Information Section</b>	1	of	9	
---	---	----	---	--

#### 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.

# 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 mor process or production units and activities which produce fugitive emissions only.

Emissions	Unit Ir	ıformation	Section	1	of	9

# 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 Identificati	on Number: [ ] No Corres	oonding ID [ ] 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				
<b>A.</b>				
1. Description (limit to 200 ch	naracters):			
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.				
	0.1	· · · · · · · · · · · · · · · · · · ·		
2. Control Device or Method Code:  061, 099				

Emissions Unit Info	rmation Section1_	of9		
В.				
1. Description (limit	t to 200 characters):			
2. Control Device of	r Method Code:			
C.				
1. Description (limit	to 200 characters):			
			•	
2. Control Device or	Method Code:			

<b>Emissions</b>	<b>Unit Information Section</b>	1	of	9	

# 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: Raw Material Receiving Hopper /	Vibrating Grizzly Feeder System
	Manufacturer: Bohringer Machinery Company,	Inc. Model No: RC10
4.	Generator Nameplate Rating:	W
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 r	aw (uncrushed) reclaimed
asphalt or concrete		
4. Maximum Production Rate: 250 ton/hr	as reclaimed cr	ushed concrete or asphalt
material.		
5. Operating Capacity Comment (limit to 2	200 characters):	<del></del>
Dampened, uncrushed reclaimed concre receiving hopper and grizzly feeder of the are controlled by water spray heads more material before it enters the grizzly feeder	ne plant where unted in the re-	any fugitive emissions generated

## **Emissions Unit Operating Schedule**

Requested Maximum Operating Schedule:	
10 hours/day	6 days/week
52 weeks/year	3120 hours/year

Emissions Unit Information Section 1	of	9
--------------------------------------	----	---

# D. EMISSIONS UNIT REGULATIONS (Regulated Emissions Units Only)

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

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

<b>Emissions Unit Information Section</b>	1	of	9	
---	---	----	---	--

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

	<u> </u>
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	

<b>Emissions Unit Information</b>	Section 1	of 9	)
-----------------------------------	-----------	------	---

# 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:					
٠.	[ ] 1  [ ] 2  [ ] 3	[X ] 4				
2.	Descriptions of Emissions Points Comprising thi to 100 characters per point):	s Emissions Unit for VE Tracking (limit				
	Visible Emissions testing will be read in the vi- feeder area, probably above the receiving hop	·				
	,					
4.	ID Numbers or Descriptions of Emission Units w	71th this Emission Point in Common:				
	NOT APPLICABLE					
5.	Discharge Type Code:  [ ] D	[ ] P				
6.	Stack Height: NOT APPLICABLE	feet				
7.	Exit Diameter:	feet				
8.	Exit Temperature:	°F				
9.	Actual Volumetric Flow Rate:	acfm				

25

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

Effective: 3-21-96

Emissions Unit Information Section \_\_1\_\_ of \_\_9\_

10. Percent Water Vapor:	%	
11. Maximum Dry Standard	Flow Rate:	dscfm
12. Nonstack Emission Poir	t Height: ~ 15.0 feet	
13. Emission Point UTM Co	ordinates: (for base/main	location of crushing unit only, others not
determined as of yet.)		
Zone: <b>17</b>	East (km): <b>499.7</b>	North (km): <b>3225.5</b>
14. Emission Point Commen	t (limit to 200 characters	).
14. Limssion I omt Commen	it (mint to 200 characters	<i>)</i> .
Emissions Point will be fug	itive only, if any emissi	ons are generated at all.
,		

Emissions	Unit l	Information	Section	1	of	9	

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

Segment Description and Rate: Segment	of
1. Segment Description (Process/Fuel Type and (limit to 500 characters):	nd Associated Operating Method/Mode)
	Crushing Unit – Raw Material Receiving . (Material Handling - Emissions related to al)
2. Source Classification Code (SCC): 305025	11
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: NA	8. Maximum Percent Ash:
9. Million Btu per SCC Unit: NA	
10. Segment Comment (limit to 200 characters	):
	· ·
•	
•	

Emissions Chit Information Section1_				
Segment Description and Rate: Segment of				
Segment Description (Process/Fuel Type a (limit to 500 characters):				
<ul><li>2. Source Classification Code (SCC):</li><li>3. SCC Units:</li></ul>	· · · · · · · · · · · · · · · · · · ·			
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	s):			

<b>Emissions Unit Information Section</b>	1	of	9	
---	---	----	---	--

# 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
	·		
			_
			_
2			

<b>Emissions Unit Information Section</b>	1	of	9
---	---	----	---

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

<b>Pollutant Detail Information:</b>	Pollutant	1 of 1
--------------------------------------	-----------	--------

1	D. H D
l.	Pollutant Emitted: <b>PM</b> <sub>10</sub> , <b>TSP</b>
2	Total Doroont Efficiency of Control, 90 %
۷.	Total Percent Efficiency of Control: 80 %
3.	Potential Emissions: $PM10_{hourly} = 0.53 \text{ lb/hr}$ $PM10_{yaerly} = 0.82 \text{ ton/yr}$
	$TSP_{hourly} = 1.11 lb/hr$ $TSP_{yearly} = 1.72 ton/yr$
4.	Synthetically Limited?
	[X] Yes [] No
5	Range of Estimated Fugitive/Other Emissions:
•	[ ] 1
	[ ] 1
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):
DΛ	$110_{\text{yearly}} = [(250 \text{ ton/hr})(3120 \text{ hr/yr})(0.0021 \text{ lb/ton})] / (2000 \text{ lb/ton}) = 0.82 \text{ ton/yr}$
1 17	$110_{\text{yearly}} - [(230 \text{ toll/iii})(3120 \text{ iii/yi})(0.0021 \text{ lo/toli)}] / (2000 \text{ lo/toli)} - 0.02 \text{ toll/yi}$
DA.	410 = [(250  top/hr)(0.0021  lb/top)] = 0.52  lb/hr
PIV	$110_{\text{hour}} = [(250 \text{ ton/hr})(0.0021 \text{ lb/ton})] = 0.53 \text{ lb/hr}$
<b></b>	
TS	$P_{yearly} = [(250 \text{ ton/hr})(3120 \text{ hr/yr})(0.0021 \text{ lb/ton})] (2.1) / (2000 \text{ lb/ton}) = 1.72 \text{ ton/yr}$
то	P = [(200  tor/hr)(0.0021  lh/tor)] (2.1) = 1.11  lh/hr
13	$P_{\text{hour}} = [(200 \text{ ton/hr})(0.0021 \text{ lb/ton})] (2.1) = 1.11 \text{ lb/hr}$
9.	Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):
	w Material Receiving Hopper / Grizzly Feeder – subject to subpart 000 rules and
	gulations.

Er	nissions Unit Information Section1 of	9	
<u>Al</u>	lowable Emissions (Pollutant identified on front	t of page)	
A.			
1.	Basis for Allowable Emissions Code: This fac	ility will be subje	ect to 40 CFR Part 60,
	bpart 000 rules and regulations.		
2.	Future Effective Date of Allowable Emissions:		
_	Initial Visible Emissions Compliance Test		
	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	c. of Related Oper	ating Method/Mode)
	(limit to 200 characters):	-	
	•		
В.			
1	Basis for Allowable Emissions Code:		·
1.	Bubb for this waste Binissions court		
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 Oper	ating Method/Mode)
0.	(limit to 200 characters):	or related Oper	
	( to 200 changetors).		•
			•
			•
	and the second s		

<b>Emissions Unit Information Section</b>	1	of	9
---	---	----	---

# I. VISIBLE EMISSIONS INFORMATION (Regulated Emissions Units Only)

<u>Vi</u>	sible Emissions Limitation: Visible Emissions Limitation1_ of1_
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):
Vi	sible Emissions Limitation: Visible Emissions Limitation of
1.	Visible Emissions Subtype:
2.	Basis for Allowable Opacity: [ ] Rule [ ] Other
3.	Requested Allowable Opacity:  Normal Conditions:
	,
4.	Method of Compliance:

Emissions Chit Information Section 1 01 9	Emissions	Unit	Information	Section	1	of	9
---	-----------	------	-------------	---------	---	----	---

# J. CONTINUOUS MONITOR INFORMATION (Regulated Emissions Units Only)

Continuous Monitoring System: Continuous Monitor of 2. Pollutant(s): 1. Parameter Code: **NOT APPLICABLE** [ ] Rule [ ] Other 3. CMS Requirement: 4. Monitor Information: Manufacturer: Model Number: Serial Number: 5. Installation Date: 6. Performance Specification Test Date: 7. Continuous Monitor Comment (limit to 200 characters): **NOT APPLICABLE** Continuous Monitoring System: Continuous Monitor of 1. Parameter Code: 2. Pollutant(s): [ ] Rule 3. CMS Requirement: [ ] Other 4. Monitor Information: Manufacturer: Model Number: Serial Number: 5. Installation Date: 6. Performance Specification Test Date: 7. Continuous Monitor Comment (limit to 200 characters):

Emissions Unit Information Section	1	of	9	
------------------------------------	---	----	---	--

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

(Regulated and Unregulated Emissions Units)

#### **PSD Increment Consumption Determination**

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether

or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide.

Check the first statement if any that applies and skip remaining statements

Check the first statement, if any, that applies and skip remaining statements.

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

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

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

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

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

Er	Emissions Unit Information Section1 of9				
2.	Increment Consuming for Nitrogen Dioxide?				
	If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.				
	[ ] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.				
	[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.				
	[ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.				
	[ ] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.				
	[X] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.				
3.	Increment Consuming/Expanding Code:				
	PM [ ] C [ ] E [X ] Unknown				
	SO2 [ ] C [ ] E [X ] Unknown				
4	NO2 [ ] C [ ] E [X ] Unknown				
4.	Baseline Emissions: PM <sub>10</sub> / TSP 0.53 / 1.11 lb/hour 0.82 / 1.72 tons/year				
	SO2 lb/hour tons/year				
	NO2 tons/year				
5.	PSD Comment (limit to 200 characters):				

Emissions Unit Information Section 1	of	9
--------------------------------------	----	---

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

#### **Supplemental Requirements for All Applications**

1.	Process Flow Diagram
	[X ] Attached, Document ID:III[ ] Not Applicable [ ] Waiver Requested
2.	Fuel Analysis or Specification
_,	[ ] Attached, Document ID: [ ] Not Applicable [ ] Waiver Requested
	[ ] [ ]
3.	Detailed Description of Control Equipment
	[X ] Attached, Document ID:V[ ] Not Applicable [ ] Waiver Requested
4	Description of Stock Compliant Equilities
4.	Description of Stack Sampling Facilities  [V.] Not Applicable [] Weiver Requested
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
5.	Compliance Test Report
	[ ] Attached, Document ID:
	Previously submitted, Date:
	[W ] NI-4 A!!L1.
	[X ] Not Applicable
6	Procedures for Startup and Shutdown
0.	[ ] Attached, Document ID: [X ] Not Applicable
	[ ] Transferd, 2 comment is i [12 ] Tree rappinessore
7.	Operation and Maintenance Plan
	[X ] Attached, Document ID:VI [ ] Not Applicable
8.	Supplemental Information for Construction Permit Application
	[X ] Attached, Document ID:VII [X ] Not Applicable
9.	Other Information Required by Rule or Statute
	[ ] Attached, Document ID: [X ] Not Applicable

<b>Emissions Unit Information Section</b>	1	of	9	
---	---	----	---	--

#### Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operation
[ ] Attached, Document ID: [X ] Not Applicable
11 Alternative Medical Countries (Park in Tradia)
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:
[ ] Detical Unit Franchism (Farms No. 62.210.000(1)(a)2.)
[ ] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID:
Attachea, Document ID
[X ] Not Applicable

# EMISSIONS ID. NO. 002 DISCHARGE PAN/DISCHARGE BELT

<b>Emissions Unit Information Section</b>	2	of	9	
---	---	----	---	--

#### III. EMISSIONS UNIT INFORMATION

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

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

#### Type of Emissions Unit Addressed in This Section

1.	R	egulated or Unregulated Emissions Unit? Check one:
[ <b>X</b>	]]	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.	S	ingle Process, Group of Processes, or Fugitive Only? Check one:
[	]	This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).
[	]	This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.
ſΧ	1	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>Emissions</b>	Unit	Information !	Section	2	of	9

## 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):				
		(I) : II (D) I		
Bohringer Machinery Compa	• 1	0 ,		
Pan – where crushed materia	il exits crushing unit to conve	eying system.		
		1' 10 (37) 11 1		
2. Emissions Unit Identification	on Number: [ ] No Corres	ponding ID [X] Unknown		
	14 4 117 1 11 10	15 7		
3. Emissions Unit Status	4. Acid Rain Unit?	5. Emissions Unit Major		
Code:	[ ] Yes [X] No	Group SIC Code:		
Construction		14		
6. Emissions Unit Comment (	limit to 500 characters):			
	(	·		
<b>Emissions Unit Control Equi</b>	pment			
<b>A.</b>				
3. Description (limit to 200 characters):				
3. Description (mint to 200 of	iaracters).			
The fugitive emissions gene	erated by crushing of mat	terial and this material being		
e e	•	charge Pan to conveying system		
		scharge pan / conveying system		
-	•			
area, used to dampen the material to control any emissions generated coming out of the				
~ · ·	~ ·	g 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 f	ugitives generated by prevail	ling 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):

Emissions	<b>Unit Information Section</b>	2	of	9	

### 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: 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 (uncrush	ed) reclaimed			
asj	phalt or concrete					
4.	Maximum Production Rate: 250 ton/hr	as reclaimed crushed concre	ete or asphalt			
ma	aterial.					
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	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:						
10 hours	s/day 6 days/week					
52 week	ts/year 3120 hours/y	ear				

	<b>Emissions</b>	<b>Unit Information Section</b>	2	of	9	
--	------------------	---------------------------------	---	----	---	--

### D. EMISSIONS UNIT REGULATIONS (Regulated Emissions Units Only)

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

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

<b>Emissions</b>	Unit	Informa	tion	Section	2	of	9	
Tamiooromo	CHIL		LLIVII	Dection	_	UI	_	

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

62-212.200(56) FAC	
02-212.200(30) 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	
<b>Chapter 84-446, Section 3 (12) FS</b>	
62-296.320 FAC	
62-296.310 (3) FAC	
40 CFR 60.11 (d)	
62-4 FAC	
62-210	
	-

<b>Emissions Unit Information Section</b>	2	of	9	
---	---	----	---	--

# 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					
	<u> </u>					
9.	Actual Volumetric Flow Rate: acfm					
	en de la companya de					

Emissions Unit Information Section \_\_\_2\_\_ of \_\_\_9\_\_

10. Percent Water Vapor:		%
11. Maximum Dry Standard	Flow Rate:	dscfm
12. Nonstack Emission Poin	nt Height: ~ 5.0 feet	
13. Emission Point UTM Codetermined as of yet.)	oordinates: (for base/main	location of crushing unit only, others not
Zone: <b>17</b>	East (km): 499.7	North (km): 3225.5
14. Emission Point Commer	nt (limit to 200 characters	):
Emissions Point will be fug	gitive only, if any emissi	ons are generated at all.

<b>Emissions</b>	Unit	Information	Section	2	of	9

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

Segment Description and Rate: Segment \_\_\_\_ of \_\_\_\_

	·
1. Segment Description (Process/Fuel Type ar (limit to 500 characters):	nd Associated Operating Method/Mode)
	rtable Crushing Unit – Crusher Discharge related to dropping material out of crusher
	•
2. Source Classification Code (SCC): 305025	11
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)	):
en de la companya de La companya de la co	

Emissions Unit Information Section2 of9					
Segment Description and Rate: Segment of					
Segment Description (Process/Fuel Type a (limit to 500 characters):	nd Associated Operating Method/Mode)				
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	):				

<b>Emissions Unit Information Section</b>	2	of	9	
---	---	----	---	--

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

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

Emissions Unit Information Section \_\_\_2\_\_ of \_\_\_9\_\_

## 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 <sub>10</sub> , TSP
2. Total Percent Efficiency of Control: 80 %
3. Potential Emissions: $PM10_{hourly} = 0.53 \text{ lb/hr}$ $PM10_{yaerly} = 0.82 \text{ ton/yr}$ $TSP_{hourly} = 1.11 \text{ lb/hr}$ $TSP_{yearly} = 1.72 \text{ ton/yr}$
4. Synthetically Limited?  [X ] Yes [ ] No
5. Range of Estimated Fugitive/Other Emissions:  [ ] 1
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 <sub>yearly</sub> = [(250 ton/hr)(3120 hr/yr)(0.0021 lb/ton)] / (2000 lb/ton) = 0.82 ton/yr  PM10 <sub>hour</sub> = [(250 ton/hr)(0.0021 lb/ton)] = 0.53 lb/hr  TSP <sub>yearly</sub> = [(250 ton/hr)(3120 hr/yr)(0.0021 lb/ton)] (2.1) / (2000 lb/ton) = 1.72 ton/yr  TSP <sub>hour</sub> = [(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.

<ul> <li>Basis for Allowable Emissions Code: This faubpart 000 rules and regulations.</li> <li>Future Effective Date of Allowable Emission Initial Visible Emissions Compliance Test</li> <li>Requested Allowable Emissions and Units: &lt;5% Opacity</li> <li>Equivalent Allowable Emissions:</li> <li>Method of Compliance (limit to 60 characters Annual EPA Method 9 Compliance Testing)</li> <li>Pollutant Allowable Emissions Comment (Definit to 200 characters):</li> </ul>	lb/hour	tons/year
<ul> <li>Future Effective Date of Allowable Emission         Initial Visible Emissions Compliance Test         Requested Allowable Emissions and Units:         &lt; 5% Opacity         Equivalent Allowable Emissions:         Method of Compliance (limit to 60 characters Annual EPA Method 9 Compliance Testing)         Pollutant Allowable Emissions Comment (December 2015)</li> </ul>	lb/hour s): <b>g.</b>	
Initial Visible Emissions Compliance Test Requested Allowable Emissions and Units: < 5% Opacity Equivalent Allowable Emissions:  Method of Compliance (limit to 60 characters Annual EPA Method 9 Compliance Testing) Pollutant Allowable Emissions Comment (De	lb/hour s): <b>g.</b>	
<ul> <li>Requested Allowable Emissions and Units:</li> <li>&lt; 5% Opacity</li> <li>Equivalent Allowable Emissions:</li> <li>Method of Compliance (limit to 60 characters Annual EPA Method 9 Compliance Testing)</li> <li>Pollutant Allowable Emissions Comment (December 2015)</li> </ul>	lb/hour s): <b>g.</b>	
< 5% Opacity Equivalent Allowable Emissions: Method of Compliance (limit to 60 characters Annual EPA Method 9 Compliance Testing) Pollutant Allowable Emissions Comment (Dec.)	s): <b>g.</b>	
. Method of Compliance (limit to 60 characters Annual EPA Method 9 Compliance Testing . Pollutant Allowable Emissions Comment (De	s): <b>g.</b>	
Annual EPA Method 9 Compliance Testing  . Pollutant Allowable Emissions Comment (De	g.	erating Method/Mode)
•	esc. of Related Ope	erating Method/Mode)
		- ,
<b>.</b>		
. Basis for Allowable Emissions Code:		
. Future Effective Date of Allowable Emissions	s:	
. Requested Allowable Emissions and Units:		
. Equivalent Allowable Emissions:	lb/hr	tons/year
. Method of Compliance (limit to 60 characters	s):	
. Pollutant Allowable Emissions Comment (De (limit to 200 characters):	esc. of Related Ope	erating Method/Mode)
	·.	

Emissions U	nit Information	Section	2	of	9
-------------	-----------------	---------	---	----	---

## I. VISIBLE EMISSIONS INFORMATION (Regulated Emissions Units Only)

<u>V1</u>	sible Emissions Limitation: Visible Emissions LimitationI ofI
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):
<u>Vi</u>	sible 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
	Method of Compliance:
5.	Visible Emissions Comment (limit to 200 characters):
	and the second of the second o

<b>Emissions Unit Information Section</b>	2	of	9	
---	---	----	---	--

### J. CONTINUOUS MONITOR INFORMATION (Regulated Emissions Units Only)

Continuous Monitoring System: Continuous Monitor \_\_\_\_\_ of \_\_\_\_ 1. Parameter Code: 2. Pollutant(s): **NOT APPLICABLE** 3. CMS Requirement: [ ] Rule [ ] Other 4. Monitor Information: Manufacturer: Model Number: Serial Number: 5. Installation Date: 6. Performance Specification Test Date: 7. Continuous Monitor Comment (limit to 200 characters): **NOT APPLICABLE** Continuous Monitoring System: Continuous Monitor \_\_\_\_\_ of \_\_\_\_ 1. Parameter Code: 2. Pollutant(s): 3. CMS Requirement: [ ] Rule [ ] Other 4. Monitor Information: Manufacturer: Model Number: Serial Number: 5. Installation Date: 6. Performance Specification Test Date: 7. Continuous Monitor Comment (limit to 200 characters):

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

(Regulated and Unregulated Emissions Units)

#### **PSD Increment Consumption Determination**

1. Increment Consuming for Particulate Matter or Sulfur Dioxide? If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements. The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment. The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment. The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment. For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment. [X] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3.	Increment Consuming/Exp	anding Code:		
	PM [ ] C	[ ]E	[X ] Unknown	
	SO2 [ ] C	[ ]E	[X ] Unknown	
	NO2 [ ] C	[ ] E	[X] Unknown	
4.	Baseline Emissions:			
	$PM_{10} / TSP$	0.53 / 1.11 lb/hour	0.82 / 1.72 tons/year	
	SO2	lb/hour	tons/year	
	NO2		tons/year	
5.	PSD Comment (limit to 20	0 characters):		
			• .	

54

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

Effective: 3-21-96

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

#### Supplemental Requirements for All Applications

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

issions Unit Information Section 2 of	7
issions Chit information Section 2 of	

#### 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
[ ] Attachea, Bocament IB [A ] 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:
Tituonou, Boomient IB.
[ ] 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)

Emissions	Unit	<b>Information Section</b>	3	of	9	

#### 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

	<u> P</u>	VOI ZIMMODIONO VINVITAMI VOIGOM IN I MIO DOUGOM
1.	R	egulated or Unregulated Emissions Unit? Check one:
[X	Γ[	The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.
[	]	The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.
2.	Si	ingle Process, Group of Processes, or Fugitive Only? Check one:
[	]	This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).
[	]	This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.
[ <b>X</b>	]	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>Emissions Unit Information Section</b>	3	of	9	
---	---	----	---	--

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

#### **Emissions Unit Description and Status**

1. Description of Emissions U	nit Addressed in This Section (I	imit to 60 characters):				
	•	rge Conveying Belt to Pre-				
, ,	<del>-</del>	ves Discharge conveying belt				
and drops to Pre-Screening C	Conveying Belt)					
2. Emissions Unit Identification	on Number: [ ] No Correspo	nding ID [X] Unknown				
3. Emissions Unit Status	4. Acid Rain Unit?	5. Emissions Unit Major				
Code:	[ ] Yes [ <b>X</b> ] No	Group SIC Code:				
Construction		14				
6. Emissions Unit Comment (	limit to 500 characters):					
·						
·						
·						
Emissions Unit Control Equipment						
<b>A.</b>						
5. Description (limit to 200 ch	aracters):					

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

Effective: 3-21-96

Em	dissions Unit Information Section3 of9
В.	
	Description (limit to 200 characters):
2.	Control Device or Method Code:
C.	
1.	Description (limit to 200 characters):
	·
1	
2	Control Device or Method Code:
2.	Control Device of Method Code.

<b>Emissions</b>	Unit	Information	Section	3	of	9	
------------------	------	-------------	---------	---	----	---	--

### 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: Crusher Discharge Belt and Pre-Scr	eener Conveying Belt
	Manufacturer: Bohringer Machinery Company, Inc	e. 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	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 Sch		
	10 hours/day	6 days/week
	52 weeks/year	3120 hours/year

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

Effective: 3-21-96

<b>Emissions Unit Information Section</b>	3	of	9	
---	---	----	---	--

## D. EMISSIONS UNIT REGULATIONS (Regulated Emissions Units Only)

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

•	

<b>Emissions</b>	Unit	Infort	nation	Section	3	οf	Q	
THI13310H2	Omi	THILL	паичи	Section	•	Ui	7	

<u>List of Applicable Regulations</u> (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	
<b>Chapter 84-446, Section 3 (12) FS</b>	
62-296.320 FAC	
62-296.310 (3) FAC	
40 CFR 60.11 (d)	
62-4 FAC	
62-210	
	_
	<u> </u>

Emissions	Unit	Information	Section	3	of	9	
-----------	------	-------------	---------	---	----	---	--

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

#### **Emission Point Description and Type**

1	Hantifaction of Daint on Dist Discour.				
1.	Identification of Point on Plot Plan or Flow Diagram:				
	Drop Point Crusher Discharge Belt and Pre-Screener Con	veying 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 p	oint, where material exits			
	the crusher discharge belt and falls onto the Pre-Screener	· · · · · · · · · · · · · · · · · · ·			
	G				
		·			
1	ID Numbers or Descriptions of Emission Units with this Emis	ogian Paint in Common			
4.	1D Numbers of Descriptions of Emission Omes with this Emis	ssion rount in Common.			
	NOT APPLICABLE				
	NOT APPLICABLE				
5.	Discharge Type Code:				
	[ ] D [X ] F [ ] H [ ]	P			
	[ ] R [ ] V [ ] W				
6.	Stack Height: NOT APPLICABLE	feet			
	•				
7.	Exit Diameter:	feet			
• •					
<b>Q</b> ·	Exit Temperature:	°F			
υ.	Date Temperature.				
	A. J. T. J. P. J.	<u> </u>			
9.	Actual Volumetric Flow Rate:	acfm			
	·				

Emissions Unit Information Section \_\_\_3\_\_ of \_\_\_9\_\_

10. Percent Water Vapor:		%
11. Maximum Dry Standard	d Flow Rate:	dscfm
12. Nonstack Emission Pol	int Height: ~ 10.0 feet	
13. Emission Point UTM C determined as of yet.)	oordinates: (for base/main	location of crushing unit only, others not
Zone: 17	East (km): 499.7	North (km): 3225.5
14. Emission Point Comme	ent (limit to 200 characters	):
Emissions Point will be fu	gitive only, if any emissi	ons are generated at all.

	Emissions	s Unit Information Section	3	of	9	
--	-----------	----------------------------	---	----	---	--

# 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 (limit to 500 characters):	d Associated Operating Method/Mode)
	table Crushing Unit – Drop Point between Conveying System. (Material Handling - material).
	·
2. Source Classification Code (SCC): 3050251	1
3. SCC Units: tons product processed	
A Mariana Harris Data	5 Marianna Annual Data
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:	8. Maximum Percent Ash:
NA	8. Maximum Percent Asn:
9. Million Btu per SCC Unit: NA	
	<del>.</del>
10. Segment Comment (limit to 200 characters)	:
	$(\mathbf{x},\mathbf{y},\mathbf{y},\mathbf{y},\mathbf{y},\mathbf{y},\mathbf{y},\mathbf{y},y$
	•

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):

Emissions Unit Information Section \_\_\_3\_\_ of \_\_\_9\_\_

<b>Emissions Unit Information Section</b>	3	of	9
---	---	----	---

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

1. Pollutant Emitted	Primary Control     Device Code	3. Secondary Control Device Code	4. Pollutant
PM10	061	099	Regulatory Code WP
1 1/110	001	033	**1
TSP	061	099	WP
	-		
			e to the second
- 11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			

67

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

### 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 <sub>10</sub> , TSP
2.	Total Percent Efficiency of Control: 80 %
3.	Potential Emissions: $PM10_{hourly} = 0.60 \text{ lb/hr}$ $PM10_{yaerly} = 0.94 \text{ ton/yr}$
	$TSP_{hourly} = 1.26 \text{ lb/hr} \qquad TSP_{yearly} = 1.97 \text{ ton/yr}$
4.	Synthetically Limited?
	[X] Yes [] No
5.	Range of Estimated Fugitive/Other Emissions:
	[ ] 1
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):
PM	$M10_{yearly} = [(250 \text{ ton/hr})(3120 \text{ hr/yr})(0.0024 \text{ lb/ton})] / (2000 \text{ lb/ton}) = 0.94 \text{ ton/yr}$
PN	$M10_{\text{hour}} = [(250 \text{ ton/hr})(0.0024 \text{ lb/ton})] = 0.60 \text{ lb/hr}$
TS	$SP_{yearly} = [(250 \text{ ton/hr})(3120 \text{ hr/yr})(0.0024 \text{ lb/ton})] (2.1) / (2000 \text{ lb/ton}) = 1.97 \text{ ton/yr}$
	yearly 10 / V / V / V / V / V / V / V / V / V /
TS	$P_{\text{hour}} = [(250 \text{ ton/hr})(0.0024 \text{ lb/ton})] (2.1) = 1.26 \text{ lb/hr}$
0	Pollytant Potential/Estimated Emissions Comment (limit to 200 sharestors):
У.	Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):

Emissions Unit Information Section3	of9	
Allowable Emissions (Pollutant identified on fro	ont of page)	•
<b>A.</b>		
1. Basis for Allowable Emissions Code: This f Subpart 000 rules and regulations.	acility will be sub	oject to 40 CFR Part 60,
2. Future Effective Date of Allowable Emission Initial 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 Testin	,	
6. Pollutant Allowable Emissions Comment (Do (limit to 200 characters):	esc. of Related Op	erating Method/Mode)
В.		
1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emission	s:	
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance (limit to 60 characters	s):	
	<u> </u>	
6. Pollutant Allowable Emissions Comment (De (limit to 200 characters):	esc. of Related Op	erating Method/Mode)

<b>Emissions</b>	Unit	<b>Information</b>	Section	3	of	9	

### I. VISIBLE EMISSIONS INFORMATION (Regulated Emissions Units Only)

<u>V1</u>	sible Emissions Limitation: Visible Emissions Limitation1 of1
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):
Vi	sible Emissions Limitation: Visible Emissions Limitation of
1.	Visible Emissions Subtype:
2.	Basis for Allowable Opacity: [ ] Rule [ ] Other
3.	Requested Allowable Opacity:  Normal Conditions:
4.	Method of Compliance:
5.	Visible Emissions Comment (limit to 200 characters):

<b>Emissions Unit Information Section</b>	3	of	9	
---	---	----	---	--

### J. CONTINUOUS MONITOR INFORMATION (Regulated Emissions Units Only)

Continuous Monitoring System: Continuous Monitor of 1. Parameter Code: 2. Pollutant(s): **NOT APPLICABLE** 3. CMS Requirement: [ ] Other [ ] Rule 4. Monitor Information: Manufacturer: Model Number: Serial Number: 5. Installation Date: 6. Performance Specification Test Date: 7. Continuous Monitor Comment (limit to 200 characters): **NOT APPLICABLE** <u>Continuous Monitoring System:</u> Continuous Monitor \_\_\_\_\_ of \_\_\_\_ 2. Pollutant(s): 1. Parameter Code: 3. CMS Requirement: [ ] Rule [ ] Other 4. Monitor Information: Manufacturer: Model Number: Serial Number: 5. Installation Date: 6. Performance Specification Test Date: 7. Continuous Monitor Comment (limit to 200 characters):

71

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

<b>Emissions</b>	Unit	Information	Section	3	of	9

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

(Regulated and Unregulated Emissions Units)

#### **PSD Increment Consumption Determination**

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether

or not the emissions unit consumes PSD increment for particulate matter or sulfur diavide

		the first statement, if any, that applies and skip remaining statements.
[	ຳເ	The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.
[	t H	The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.
]		The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.

- For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes
- [X] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

increment.

Er	issions Unit Information Section3 of9
2.	Increment Consuming for Nitrogen Dioxide?
	If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.
	[ ] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.
	[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
	[ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
	For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
	[X] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.
3.	Increment Consuming/Expanding Code:
	PM [ ] C [ ] E [X ] Unknown
	SO2 [ ] C [ ] E [X ] Unknown  NO2 [ ] C [ ] E [X ] Unknown
	NO2 [ ] C [ ] E [X ] Unknown  Baseline Emissions:
4.	PM <sub>10</sub> / TSP
	SO2 lb/hour tons/year
	NO2 tons/year
5.	PSD Comment (limit to 200 characters):

73

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

Effective: 3-21-96

<b>Emissions Unit Information Section</b>	3	of	9	
---	---	----	---	--

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

#### **Supplemental Requirements for All Applications**

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

Emissions out this mation section 3 of 9	missions Unit Information Section 3 of	9	
--	--	---	--

### 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)

Emissions	Unit	Informat	ion (	Section	4	of	9	

#### III. EMISSIONS UNIT INFORMATION

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

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

#### Type of Emissions Unit Addressed in This Section

1. R	egulated or Unregulated Emissions Unit? Check one:
[X]7	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. S	ingle Process, Group of Processes, or Fugitive Only? Check one:
[ ]	This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).
[ ]	This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.
[X ]	This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

<b>Emissions Unit Information Section</b>	4	of	9
---	---	----	---

### 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):						
	•	Conveying Belt to Vibrating veying System to Vibrating				
2. Emissions Unit Identification Number: [ ] No Corresponding ID [X] Unknown						
3. Emissions Unit Status Code: Construction	Code: [ ] Yes [X] No Group SIC Code:					
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						

В.	
1.	Description (limit to 200 characters):
2	Control Device or Method Code:
	Control Bevice of Method Code.
<u>C</u> .	
1.	Description (limit to 200 characters):
2.	Control Device or Method Code:
	<del></del>

Emissions Unit Information Section \_\_\_4\_\_\_ of \_\_\_9\_\_\_

<b>Emissions Unit Information Section</b>	4	of	9	
---	---	----	---	--

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

#### **Emissions Unit Details**

1.	Initial Startup Date: ASAP	
2.	Long-term Reserve Shutdown Date: NOT APPLI	CABLE
3.	Package Unit: Pre-Screener Conveying System to Vib	rating 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:	
10 hours/day	6 days/week
52 weeks/year	3120 hours/year

Emissions	Unit	Information	Section	4	οf	9	
	CILL	IIIIOI MALION	Section	7	UI	,	

### D. EMISSIONS UNIT REGULATIONS (Regulated Emissions Units Only)

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

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

<b>Emissions</b>	Unit	<b>Information Section</b>	4	of	9	
TO TAXABLE OF THE	~ ====			V.		

<u>List of Applicable Regulations</u> (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	
<b>Chapter 84-446, Section 3 (12) FS</b>	
62-296.320 FAC	
62-296.310 (3) FAC	
40 CFR 60.11 (d)	
62-4 FAC	
62-210	
·	

<b>Emissions Unit Information Section</b>	4	of	9	
---	---	----	---	--

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

#### **Emission Point Description and Type**

1	Identification of Point on Plot 1	Plan or Flow Diagram		
1.	Drop Point from Pre-Screene	_		100nom (004)
2	Emission Point Type Code:	T Conveying System	n to vibrating Sci	eener (004)
۷٠.		[ ] 3	<b>[V</b> ] /	
		[ ] 3	[A ] 4	
8.	Descriptions of Emissions Poir	nts Comprising this I	Emissions Unit for	VE Tracking (limit
	to 100 characters per point):			· –
	1 1 /			
				,
	Visible Emissions will be dete			
	the Pre-Screener Conveying S	System and is drop	ped onto the vibra	iting screener.
1				
				*
			•	
4.	ID Numbers or Descriptions of	Emission Units with	n this Emission Poi	nt in Common:
	·			
	NOT APPLICABLE			
<b>!</b>				
5	Discharge Type Code:			
	[ ] D [X ] F	[ ] H	[ ] P	
	[ ] R [ ] V	[ ] W	[ ] -	
		t j		
6.	Stack Height: NOT APPLICA	BLE		feet
	_			
7.	Exit Diameter:			feet
		·	·	
8.	Exit Temperature:			°F
	<u> </u>			
9.	Actual Volumetric Flow Rate:			acfm

82

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

Effective: 3-21-96

Emissions Unit Information Section \_\_\_4\_\_\_ of \_\_\_9\_\_

10. Percent Water Vapor:		%
11. Maximum Dry Standard	d Flow Rate:	dscfm
12. Nonstack Emission Poi	int Height: ~ 10.0 feet	
13. Emission Point UTM C determined as of yet.)	oordinates: (for base/main l	location of crushing unit only, others not
Zone: 17	East (km): 499.7	North (km): 3225.5
14. Emission Point Comme	ent (limit to 200 characters)	:
Emissions Point will be fu	gitive only, if any emissio	ons are generated at all.
		•
	·	

<b>Emissions Unit Information Section</b>	4	of	9	
---	---	----	---	--

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

Segment Description and Rate: Segment \_\_1\_\_ of \_\_1\_\_

<ol> <li>Segment Description (Process/Fuel Type ar (limit to 500 characters):</li> </ol>	d Associated Operating Method/Mode)
	table Crushing Unit - Drop Point from Pre- Handling - Emissions related to vibrating, ned material).
2. Source Classification Code (SCC): 3050250	)3
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:	, 00,000 1011, 12
NA	
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
NA	8. Maximum refeelt Asii.
	<u> </u>
9. Million Btu per SCC Unit: NA	
10. Segment Comment (limit to 200 characters)	:

En	nissions Unit Information Section4	of9
Se	gment Description and Rate: Segment	of
1.	Segment Description (Process/Fuel Type and (limit to 500 characters):	d Associated Operating Method/Mode)
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)	:
	,	
		·

Emissions Unit Information Section 4 of
---

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

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

Emissions Unit Information Section 4\_ of 9

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

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

A D II TO I
1. Pollutant Emitted: PM <sub>10</sub> , TSP
2. Total Percent Efficiency of Control: 80 %
3. Potential Emissions: $PM10_{hourly} = 1.20 \text{ lb/hr}$ $PM10_{yaerly} = 1.87 \text{ ton/yr}$ $TSP_{hourly} = 2.52 \text{ lb/hr}$ $TSP_{yearly} = 3.93 \text{ ton/yr}$
4. Synthetically Limited?
[X ] Yes [ ] No
5. Range of Estimated Fugitive/Other Emissions:
[ ] 1
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):
$PM10_{yearly} = [(250 \text{ ton/hr})(3120 \text{ hr/yr})(0.0048 \text{ lb/ton})] / (2000 \text{ lb/ton}) = 1.87 \text{ ton/yr}$
$PM10_{hour} = [(250 \text{ ton/hr})(0.0048 \text{ lb/ton})] = 1.20 \text{ lb/hr}$
$TSP_{yearty} = [(250 \text{ ton/hr})(3120 \text{ hr/yr})(0.0048 \text{ lb/ton})] (2.1) / (2000 \text{ lb/ton}) = 3.93 \text{ ton/yr}$
$TSP_{hour} = [(250 \text{ ton/hr})(0.0048 \text{ lb/ton})] (2.1) = 2.52 \text{ lb/hr}$
0. Pollytont Potential/Estimated Emissions Comment (limit to 200 -lamestant)
9. Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):

Emissions Unit Information Section4 of9
Allowable Emissions (Pollutant identified on front of page)
<b>A.</b>
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:
Initial 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):
В.
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):

88

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

<b>Emissions Unit Information Section</b>	4	of	9	
---	---	----	---	--

### I. VISIBLE EMISSIONS INFORMATION (Regulated Emissions Units Only)

<u>Vi</u>	tible Emissions Limitation: Visible Emissions Limitation1 of1_
1.	Visible Emissions Subtype: <b>VE</b>
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):
Vis	sible Emissions Limitation: Visible Emissions Limitation of
	Visible Emissions Limitation: of of Visible Emissions Subtype:
1.	
1.	Visible Emissions Subtype:  Basis for Allowable Opacity: [ ] Rule [ ] Other  Requested Allowable Opacity:
1.	Visible Emissions Subtype:  Basis for Allowable Opacity: [ ] Rule [ ] Other  Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: %
1.	Visible Emissions Subtype:  Basis for Allowable Opacity: [ ] Rule [ ] Other  Requested Allowable Opacity:
1. 2. 3.	Visible Emissions Subtype:  Basis for Allowable Opacity: [ ] Rule [ ] Other  Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: %
1. 2. 3.	Visible Emissions Subtype:  Basis for Allowable Opacity: [ ] Rule [ ] Other  Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour
<ol> <li>1.</li> <li>2.</li> <li>3.</li> <li>4.</li> </ol>	Visible Emissions Subtype:  Basis for Allowable Opacity: [ ] Rule [ ] Other  Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour
<ol> <li>1.</li> <li>2.</li> <li>3.</li> <li>4.</li> </ol>	Visible Emissions Subtype:  Basis for Allowable Opacity: [ ] Rule [ ] Other  Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour  Method of Compliance:
<ol> <li>1.</li> <li>2.</li> <li>3.</li> <li>4.</li> </ol>	Visible Emissions Subtype:  Basis for Allowable Opacity: [ ] Rule [ ] Other  Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour  Method of Compliance:

<b>Emissions Unit Information</b>	Section	4	of	9	
-----------------------------------	---------	---	----	---	--

### J. CONTINUOUS MONITOR INFORMATION (Regulated Emissions Units Only)

Continuous Monitoring System: Continuous Monitor \_\_\_\_\_ of \_\_\_\_ 2. Pollutant(s): 1. Parameter Code: **NOT APPLICABLE** 3. CMS Requirement: ] Rule ] Other 4. Monitor Information: Manufacturer: Model Number: Serial Number: 5. Installation Date: 6. Performance Specification Test Date: 7. Continuous Monitor Comment (limit to 200 characters): **NOT APPLICABLE** Continuous Monitoring System: Continuous Monitor \_\_\_\_\_ of \_\_\_\_ 1. Parameter Code: 2. Pollutant(s): 3. CMS Requirement: [ ] Rule Other 4. Monitor Information: Manufacturer: Model Number: Serial Number: 5. Installation Date: 6. Performance Specification Test Date: 7. Continuous Monitor Comment (limit to 200 characters):

<b>Emissions</b>	Unit	<b>Information Section</b>	n 4	of	9	

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

(Regulated and Unregulated Emissions Units)

#### **PSD Increment Consumption Determination**

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide,

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

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

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

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

[ ] For any facility, the emissions unit began (or will begin) initial operation after

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

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

PM SO2 NO2	[ ] C [ ] C	[ ] E [ ] E [ ] E	<ul><li>[X] Unknown</li><li>[X] Unknown</li><li>[X] Unknown</li></ul>	
4. Baseline Em PM <sub>10</sub> / T SO2 NO2		1.20 / 2.52 lb/hour lb/hour	1.87 / 3.93 tons/year tons/year tons/year	
5. PSD Commo	ent (limit to 200 cl	haracters):		

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

Effective: 3-21-96

<b>Emissions Un</b>	t Information Sec	ction 4	of	9

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

#### **Supplemental Requirements for All Applications**

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

<b>Emissions Unit Information Section</b> 4	• of	9
---	------	---

### 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:
[ ] D (' - 1   1   '4   E ('   (E   (E
[ ] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.)
Attached, Document ID:
FW 1 Not Applicable
[X ] Not Applicable

### EMISSIONS ID. NO. 005

# VIBRATING SCREENER to SCREENED MATERIAL DISCHARGE BELT

(DROP POINT)

<b>Emissions</b>	Unit	Information	Section	5	of	9	
------------------	------	-------------	---------	---	----	---	--

#### 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>Emissions Unit Information Section</b>	5	of	9	
---	---	----	---	--

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

### **Emissions Unit Description and Status**

1. Description of Emissions U	Init Addressed in This Section (li	mit to 60 characters):
Bohringer Machinery Com	pany, Inc. – Vibrating Scr	eener to Screener Discharge
Conveying System (drop	point from Vibrating Screen	ener to Screener Discharge
Conveying System)	,	
2. Emissions Unit Identification	on Number: [ ] No Correspo	nding ID [X] Unknown
3. Emissions Unit Status	4. Acid Rain Unit?	5. Emissions Unit Major
Code:	[ ] Yes [X] No	Group SIC Code:
Construction		14
6. Emissions Unit Comment (	limit to 500 characters):	
	•	•
	•	
Emissions Unit Control Essi	nm on t	
Emissions Unit Control Equi	pment	
<b>A</b>		
A.		
9. Description (limit to 200 cl	iaracters):	
The Caritime of the same	And Commadity Joseph or 114 1	
	nted from this drop point when	
<del>-</del>	dropped onto the screened	
_	•	basis, mounted in the area of
	g system. This material is still i	
•	s drop point. This material is s	<u>-</u>
systems and is also dampened	l before it leaves the belt and d	rops to it's stockpile.
2. Control Device or Method	•	
· · · · · · · · · · · · · · · · · · ·	061, 099	

96

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

Effective: 3-21-96

В.	
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:

Emissions Unit Information Section \_\_\_5\_\_ of \_\_\_9\_\_

Emissions	Unit	Information	Section	5	of	9	
		AMINI IIIM CIVII	OCC LIVI	-	VI.		

### 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: 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:

٥F

Dwell Time:

seconds

Incinerator Afterburner Temperature:

۰F

#### **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:

10 hours/day
6 days/week
52 weeks/year
3120 hours/year

Effective: 3-21-96

<b>Emissions Unit Information Section</b>	5	$\mathbf{of}$	9	
---	---	---------------	---	--

### D. EMISSIONS UNIT REGULATIONS (Regulated Emissions Units Only)

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

This facility will b	This facility will be subject to 40 CFR, Part 60, subpart 000 rules and regulations.				ns.	
,						
•						
•					٠.	

<b>Emissions</b>	Unit:	Informat	ion Se	ection	5	of	9

<u>List of Applicable Regulations</u> (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	

Zimbolono Chit Into mation Section 5 01 /	it Information Section 5 of 9
---	-------------------------------

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

#### **Emission Point Description and Type**

1	II 'C' ' CD' ' DI 'DI DI
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.
	Vibrating Serection and land onto Serection Material Discharge Bett.
4.	ID Numbers or Descriptions of Emission Units with this Emission Point in Common:
	NOT APPLICABLE
5	Discharge Type Code:
٠.	<del>-</del>
	[ ] R [ ] W
6.	Stack Height: NOT APPLICABLE feet
7.	Exit Diameter: feet
8	Exit Temperature: °F
v.	- I
0	A strait Malamataia Elam Data
9.	Actual Volumetric Flow Rate: acfm

101

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

Effective: 3-21-96

Emissions Unit Information Section \_\_\_5\_\_ of \_\_\_9\_\_

10. Percent Water Vapor:		%
11. Maximum Dry Standard	Flow Rate:	dscfm
12. Nonstack Emission Poir	at Height: $\sim 0.0$ to $20.0$ fe	et
13. Emission Point UTM Co determined as of yet.)	ordinates: (for base/main	location of crushing unit only, others not
Zone: 17	East (km): 499.7	North (km): 3225.2
14. Emission Point Commen	t (limit to 200 characters)	):
Emissions Point will be fug	itive only, if any emissio	ons are generated at all.

<b>Emissions Unit Information Section</b>	5	$\mathbf{of}$	9	
---	---	---------------	---	--

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

Segment Description and Rate: Segment \_1\_ of \_1\_

Segment Description (Process/Fuel Type ar (limit to 500 characters):	nd Associated Operating Method/Mode)
	table Crushing Unit – Vibrating Screener to ll Handling - Emissions related to conveying
2. Source Classification Code (SCC): 3050250	03
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)	):
·	

En	missions Unit Information Section5	. of9
<u>Se</u>	gment Description and Rate: Segment	of
1.	Segment Description (Process/Fuel Type and (limit to 500 characters):	nd Associated Operating Method/Mode)
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)	:

Emissions Unit Information Section 5 of 9	En	nissions	Unit	Informa	tion	Section	5	of	9	
---	----	----------	------	---------	------	---------	---	----	---	--

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

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

105

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

Effective: 3-21-96

Emissions Unit Information Section \_\_\_5\_\_ of \_\_\_9\_\_

### 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 <sub>10</sub> , 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
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
8.	Calculation of Emissions (limit to 600 characters):
PM	$110_{\text{yearly}} = [(250 \text{ ton/hr})(3120 \text{ hr/yr})(0.0048 \text{ lb/ton})] / (2000 \text{ lb/ton}) = 1.87 \text{ ton/yr}$
PM	$110_{\text{hour}} = [(250 \text{ ton/hr})(0.0048 \text{ lb/ton})] = 1.20 \text{ lb/hr}$
TS	$P_{yearly} = [(250 \text{ ton/hr})(3120 \text{ hr/yr})(0.0048 \text{ lb/ton})] (2.1) / (2000 \text{ lb/ton}) = 3.93 \text{ ton/yr}$
TS	$P_{hour} = [(250 \text{ ton/hr})(0.0048 \text{ lb/ton})] (2.1) = 2.52 \text{ lb/hr}$
9. ,	Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):

. Basis for Allowable Emissions Code: T	nis facility will be su	bject to 40 CFR Part 60
Subpart 000 rules and regulations.	·	
2. Future Effective Date of Allowable Emis		
Initial Visible Emissions Compliance		
<ol> <li>Requested Allowable Emissions and Uni     &lt; 5% Opacity</li> </ol>	is:	
4. Equivalent Allowable Emissions:	lb/hour	tons/year
		·
Method of Compliance (limit to 60 chara	,	
Annual EPA Method 9 Compliance Te	sting.	
6. Pollutant Allowable Emissions Commen	t (Desc. Of Related C	nerating Method/Mode)
	(Desc. Of Related C	perating intentour mode)
(limit to 200 characters):		
(limit to 200 characters):		_
(limit to 200 characters):		
(limit to 200 characters):		
(limit to 200 characters):  3.  Basis for Allowable Emissions Code:	sions:	
(limit to 200 characters):  B. Basis for Allowable Emissions Code:	sions:	<u></u>
(limit to 200 characters):  3.  1. Basis for Allowable Emissions Code:  2. Future Effective Date of Allowable Emis		
(limit to 200 characters):  3.  1. Basis for Allowable Emissions Code:  2. Future Effective Date of Allowable Emis		
(limit to 200 characters):  3.  Basis for Allowable Emissions Code:  Puture Effective Date of Allowable Emis Requested Allowable Emissions and Uni		tons/year
(limit to 200 characters):  B.  Basis for Allowable Emissions Code:  Future Effective Date of Allowable Emis Requested Allowable Emissions and Uni Equivalent Allowable Emissions:	lb/hr	tons/year
(limit to 200 characters):  3.  Basis for Allowable Emissions Code:  2. Future Effective Date of Allowable Emis  3. Requested Allowable Emissions and Uni  4. Equivalent Allowable Emissions:	lb/hr	tons/year
(limit to 200 characters):  3.  Basis for Allowable Emissions Code:  2. Future Effective Date of Allowable Emis  3. Requested Allowable Emissions and Uni  4. Equivalent Allowable Emissions:	lb/hr	tons/year
(limit to 200 characters):  3.  Basis for Allowable Emissions Code:  2. Future Effective Date of Allowable Emis  3. Requested Allowable Emissions and Uni  4. Equivalent Allowable Emissions:  5. Method of Compliance (limit to 60 characters):	lb/hr	
(limit to 200 characters):  Basis for Allowable Emissions Code:  Future Effective Date of Allowable Emissions and Unitary  Requested Allowable Emissions and Unitary  Equivalent Allowable Emissions:  Method of Compliance (limit to 60 characters):	lb/hr	
(limit to 200 characters):  3.  Basis for Allowable Emissions Code:  C. Future Effective Date of Allowable Emis  Requested Allowable Emissions and Uni  Equivalent Allowable Emissions:  Method of Compliance (limit to 60 characters):	lb/hr	

107

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

### I. VISIBLE EMISSIONS INFORMATION (Regulated Emissions Units Only)

<u>V 1</u>	of the Emissions Limitation: Visible Emissions Limitation1 of1	
1.	Visible Emissions Subtype: VE	
2.	asis for Allowable Opacity: [X] Rule [ ] Other	
3.	lequested 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.	isible Emissions Comment (limit to 200 characters):	
		_
Vi	ole Emissions Limitation: Visible Emissions Limitation of	
	ole Emissions Limitation: Visible Emissions Limitation of	
1.		
1.	isible Emissions Subtype:	
1. 2. 3.	Tisible Emissions Subtype:  asis for Allowable Opacity:  equested Allowable Opacity:  formal Conditions:  % Exceptional Conditions:  %	

<b>Emissions</b>	Unit	Information	Section	5	of	9	
------------------	------	-------------	---------	---	----	---	--

### J. CONTINUOUS MONITOR INFORMATION (Regulated Emissions Units Only)

3.	CMS Requirement:	[	] Rule	[	] Other
4.	Monitor Information:				
	Manufacturer:				
	Model Number:		Serial Nu	ımbe	r:
5.	Installation Date:				
6.	Performance Specification Test Date:				
7.	Continuous Monitor Comment (limit to	200	characters):		
	NOT APPLICABLE				
Co	ontinuous Monitoring System: Continu	ous l	Monitor of	·	_
1.	Parameter Code:	7	Pollutant(s):		
1.	Tarameter Code.	2.	Tonutani(s).		
3.	CMS Requirement:	[	] Rule	[	] Other
4.	Monitor Information:				
	Manufacturer:				,
	Model Number:		Serial Nu	ımbe	r:
5.	Installation Date:				
6.	Performance Specification Test Date:	•	<u>.</u>		-
7.	Continuous Monitor Comment (limit to	200	characters):		_
			. ,		,
					,
			e de la companya de l		

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

(Regulated and Unregulated Emissions Units)

#### **PSD Increment Consumption Determination**

1. Increment Consuming for Particulate Matter or Sulfur Dioxide? If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements. The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment. The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment. The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment. For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes

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

increment.

Er	nissions Unit Information Section5 of9
2.	Increment Consuming for Nitrogen Dioxide?
	If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.
	[ ] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.
	[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
	[ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
	[ ] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
	[X] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.
3.	Increment Consuming/Expanding Code:
	PM       [ ] C       [ ] E       [X ] Unknown         SO2       [ ] C       [ ] E       [X ] Unknown         NO2       [ ] C       [ ] E       [X ] Unknown
4.	Baseline Emissions:         PM <sub>10</sub> / TSP       1.20/2.52 lb/hour       1.87 / 3.93 tons/year         SO2       lb/hour       tons/year         NO2       tons/year
5.	PSD Comment (limit to 200 characters):

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

	<b>Emissions</b>	Unit	Informati	on Section	5	of	9	
--	------------------	------	-----------	------------	---	----	---	--

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

#### **Supplemental Requirements for All Applications**

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

<b>Emissions Unit Information Section</b>	5	of	9	
---	---	----	---	--

#### 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
[ ] Attached, Document ID [A ] 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)

<b>Emissions Unit Information Section</b>	6	of	9	
---	---	----	---	--

#### 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.

Effective: 3-21-96

<b>Emissions</b>	Unit :	Informat	tion S	Section	6	of	9	
------------------	--------	----------	--------	---------	---	----	---	--

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

#### **Emissions Unit Description and Status**

1 Description of Emissions I	Init Addressed in This Section (	limit to 60 abaractora):				
_		- Drop Point from Screened				
		. (Material Handling, Fugitive				
· ·	it all are generated at the drop					
Emissions Generated II any a	it an are generated at the drop	point between the two bens)				
2. Emission's Unit Identificati	on Number: [ ] No Correspondent	onding ID [X] Unknown				
	on the consep	onung 12 [11] Onuno III				
3. Emissions Unit Status	4. Acid Rain Unit?	5. Emissions Unit Major				
Code:	[ ] Yes [X] No	Group SIC Code:				
Construction	[ ] []	14				
6. Emissions Unit Comment (	limit to 500 characters):					
6. Emissions Om Comment (	minit to 500 characters):					
		•				
	<del></del>					
Emissions Unit Control Equi	nmant					
Emissions Unit Control Equipment						
Α.						
11. Description (limit to 200 cl	naracters):					
The fugitive emissions generated from this drop point where crushed material leaves the						
1 0	- <del>-</del>					
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 discarge 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					

Emissions Unit Information Section6 of9						
<b>B</b> .						
1.	Description (limit to 200 characters):					
2.	Control Device or Method Code:					
<b>C</b> .						
	Description (limit to 200 characters):					
2.	Control Device or Method Code:					

Emissions	Unit	<b>Information</b>	Section	6	of	9	
	CHIL	IMIOI MALION		v	V.	_	

### 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:

٥F

Dwell Time:

seconds

Incinerator Afterburner Temperature:

٥F

#### **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:

10 hours/day

6 days/week

52 weeks/year

3120 hours/year

<b>Emissions</b>	Unit	Information	Section	6	of	9

### D. EMISSIONS UNIT REGULATIONS (Regulated Emissions Units Only)

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

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

<b>Emissions</b>	Unit	<b>Information</b>	Section	6	of	9	
1211112210112	CIIII	IIIIOI MIANUII	Section	U	UI	,	

<u>List of Applicable Regulations</u> (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	
	·

<b>Emissions Unit Information Section</b>	6	of	9	
---	---	----	---	--

### 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	
12	Descriptions of Emissions Points Comprising this Emissions Unit for	r VF Tracking (limit
12.	to 100 characters per point):	ve macking (inint
	to 100 characters per point).	
<b>~</b> 7•		
	sible Emissions will be determined in the area of drop point, wher	
fro	om the screened material discharge belt and fall onto Radial Stack	ter Belt No.1 (60').
	•	
	ID Numbers or Descriptions of Emission Units with this Emission Po	
4.	1D Numbers of Descriptions of Emission Onles with this Emission re	omi in Common.
	NOT ADDITION DI E	
	NOT APPLICABLE	
5.	Discharge Type Code:	
6	Stack Height: NOT APPLICABLE	feet
0.	Stack Height, NOT ATTERCABLE	1001
	D'AD'	
7.	Exit Diameter:	feet
8.	Exit Temperature:	°F
		<del></del>
9.	Actual Volumetric Flow Rate:	acfm
٠.	·	uviiii ·

120

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

Effective: 3-21-96

Emissions Unit Information Section \_\_\_6\_\_ of \_\_\_9\_\_

10. Percent Water Vapor:		%
11. Maximum Dry Standard	Flow Rate:	dscfm
12. Nonstack Emission Poin	t Height: ~ <b>0.0 to 20.0</b> fe	et
13. Emission Point UTM Co determined as of yet.)	ordinates: (for base/main	location of crushing unit only, others not
Zone: <b>17</b>	East (km): 499.7	North (km): 3225.5
14. Emission Point Commen	t (limit to 200 characters)	:
Emissions Point will be fug	itive only, if any emissio	ons are generated at all.
		•

Emissions entermation section 0 01 /	Emissions	<b>Unit Information Section</b>	6	of	9	
--------------------------------------	-----------	---------------------------------	---	----	---	--

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

Segment Description and Rate: Segment \_1\_ of \_1\_

<ol> <li>Segment Description (Process/Fuel Type and (limit to 500 characters):</li> </ol>	d Associated Operating Method/Mode)
	ortable Crushing Unit – screened material r Belt No.1. (Material Handling - Emissions
2. Source Classification Code (SCC): 3050251	1
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	o. Maximum recent 7xsn.
9. Million Btu per SCC Unit:	-
NA	
10. Segment Comment (limit to 200 characters)	:
	•

Emiss	ions Unit Information Section6	of9
Segme	ent Description and Rate: Segment	of
		<del></del>
1. Se	gment Description (Process/Fuel Type an	d Associated Operating Method/Mode)
. (liı	mit to 500 characters):	
	•	
	•	
		•
	•	
		,
2. So	urce Classification Code (SCC):	
2 00	O.H.:	·
3. SC	CC Units:	•
4. Ma	aximum Hourly Rate:	5. Maximum Annual Rate:
6. Es	timated Annual Activity Factor:	
7. Ma	aximum Percent Sulfur:	8. Maximum Percent Ash:
9. Mi	Illion Btu per SCC Unit:	· · · · · · · · · · · · · · · · · · ·
7. 1,11	mon Bu per see emi.	
10. Se	gment Comment (limit to 200 characters)	:
		·

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

1. Pollutant Emitted	Primary Control     Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code
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 <sub>10</sub> , 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
6.	Emission Factor: 0.0021 lbs/ton Reference: AP-42 (Table 11.19.2-2 controlled) and footnote © for TSP Emissions
	Emissions Method Code: [ ] 0
PM	Calculation of Emissions (limit to 600 characters): $[10_{yearly} = [(250 \text{ ton/hr})(3120 \text{ hr/yr})(0.0021 \text{ lb/ton})] / (2000 \text{ lb/ton}) = 0.81 \text{ ton/yr}$ $[10_{hour} = [(250 \text{ ton/hr})(0.0021 \text{ lb/ton})] = 0.53 \text{ lb/hr}$
TS	$P_{yearly} = [(250 \text{ ton/hr})(3120 \text{ hr/yr})(0.0021 \text{ lb/ton})] (2.1) / (2000 \text{ lb/ton}) = 1.70 \text{ ton/yr}$
TS	$P_{hour} = [(200 \text{ ton/hr})(0.0021 \text{ lb/ton})] (2.1) = 1.11 \text{ lb/hr}$
9.	Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):

Emissions Unit Information Section6 of9					
Al	lowable Emissions (Pollutant identified on front of page)				
Α.					
1. Su	Basis for Allowable Emissions Code: This facility will be subject to 40 CFR Part 60, bpart 000 rules and regulations.				
	Future Effective Date of Allowable Emissions:				
	Initial 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):				
В.					
1.	Basis for Allowable Emissions Code:				
2.	Future Effective Date of Allowable Emissions:				
3.	Requested Allowable Emissions and Units:				
4.	Equivalent Allowable Emissions: lb/hr tons/year				
5.	Method of Compliance (limit to 60 characters):				
6.	Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode)				
	(limit to 200 characters):				

Emissions out into mation section of the	nit Information Section 6 of 9
--	--------------------------------

### I. VISIBLE EMISSIONS INFORMATION (Regulated Emissions Units Only)

<u>V1</u>	ible Emissions Limitation: Visible Emissions Limitation1 of1
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):
<u>Vi</u>	ible Emissions Limitation: Visible Emissions Limitation of
	ible Emissions Limitation: Visible Emissions Limitation of Visible Emissions Subtype:
1.	·
1.	Visible Emissions Subtype:
<ol> <li>1.</li> <li>2.</li> <li>3.</li> </ol>	Visible Emissions Subtype:  Basis for Allowable Opacity: [ ] Rule [ ] Other  Requested Allowable Opacity:  Normal Conditions: % Exceptional Conditions: %

<b>Emissions Unit Information Section</b>	6	of	9	
---	---	----	---	--

## J. CONTINUOUS MONITOR INFORMATION (Regulated Emissions Units Only)

Continuous Monitoring System: Continuous Monitor \_\_\_\_ of \_\_\_

1. Parameter Code:	2. Pollutant(s):
NOT APPLICABLE	
3. CMS Requirement:	[ ] Rule [ ] Other
4. Monitor Information:	
Manufacturer:	
Model Number:	Serial Number:
5. Installation Date:	
6. Performance Specification Test Date:	•
7. Continuous Monitor Comment (limit to	200 characters):
NOT APPLICABLE	
NOT APPLICABLE	
Continuous Monitoring System: Continu	nous Monitor of
1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	[ ] Rule [ ] Other
4. Monitor Information:	
Manufacturer:	
Model Number:	Serial Number:
5. Installation Date:	
6. Performance Specification Test Date:	·
7. Continuous Monitor Comment (limit to	200 characters):

Emissions Unit Information Section 6	of	9	
--------------------------------------	----	---	--

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

(Regulated and Unregulated Emissions Units)

#### PS

1.

SD Increment Consumption Determination
Increment Consuming for Particulate Matter or Sulfur Dioxide?
If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.
[ ] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.
[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.
[ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
[ ] For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
[X] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

Effective: 3-21-96

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

#### **Supplemental Requirements for All Applications**

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

<b>Emissions</b>	Unit	Information	Section	6	of	9	
------------------	------	-------------	---------	---	----	---	--

#### 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 Decisions
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:
A Reading of the second of the
[ ] 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:
IV I Not Applicable
[X ] Not Applicable
·

EMISSIONS ID. NO. 007

RADIAL STACKER No.1 to RADIAL STACKER No.2

(DROP POINT)

<b>Emissions Unit Information Section</b>	7	of	9	
---	---	----	---	--

#### 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 regulate emissions unit.	ed .
[	] The emissions unit addressed in this Emissions Unit Information Section is an unre emissions unit.	gulated
2.	Single Process, Group of Processes, or Fugitive Only? Check one:	
[	] This Emissions Unit Information Section addresses, as a single emissions unit, a sin process or production unit, or activity, which produces one or more air pollutants at which has at least one definable emission point (stack or vent).	
[	] This Emissions Unit Information Section addresses, as a single emissions unit, a gr process or production units and activities which has at least one definable emission (stack or vent) but may also produce fugitive emissions.	
[X	[ ] This Emissions Unit Information Section addresses, as a single emissions unit, one	or more

process or production units and activities which produce fugitive emissions only.

Emissions Unit Information Section 7 o	OI .	7
--	------	---

### 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	4. Acid Rain Unit?	5. Emissions Unit Major		
Code: Construction	[ ] Yes [X] No	Group SIC Code:  14		
6. Emissions Unit Comment (limit to 500 characters):				
Emissions Unit Control Equipment				
<b>A.</b>				
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				
UU1, U77				

En	nissions Unit Information Section7 of9
В.	
1.	Description (limit to 200 characters):
2.	Control Device or Method Code:
<u>C.</u>	Description (limited 200 shows 4500)
1.	Description (limit to 200 characters):
2.	Control Device or Method Code:

Emissions	Unit	Information	Section	7	of	9	
Emissions	OHIL	τπτοι πιατίοπ	Beenon	,	OI.	,	

### 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: Radial Stacker Belt No.1 (drop point) to Rad	lial 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:				
	,	10 hours/day	6 days/week	
		52 weeks/year	3120 hours/year	

Emissions Unit Information Section	7	of_	_9
------------------------------------	---	-----	----

## D. EMISSIONS UNIT REGULATIONS (Regulated Emissions Units Only)

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

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

Emissions Unit Information Section 7	of	9
--------------------------------------	----	---

<u>List of Applicable Regulations</u> (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	
·	•

<b>Emissions Unit Information Section</b>	7	of	9	
---	---	----	---	--

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

### **Emission Point Description and Type**

1. Identification of Point on Plot Pla	in or Flow Diagram:		
Drop Point from Radial Stacke	er No.1 to Radial St	acker Belt No.2 (007)	
2. Emission Point Type Code:	_	<del></del>	
[ ] 1 [ ] 2	[ ] 3	[X ] 4	
·	-		
14. Descriptions of Emissions Points	Comprising this Em	issions Unit for VE Tracki	ng (limit
to 100 characters per point):			
, ,			
Visible Emissions will be determine	ed in the area of dro	on point, where material	exits
Radial Stacker No.1 and falls to Ra			- Ales
Traditi Stacker 11012 and land to 11a	dia Stacker Bell 19		
			•
4 1031 1 0 0 1 1 0 0	* * ** ** **		
4. ID Numbers or Descriptions of E	mission Units with the	his Emission Point in Com	mon:
·			
NOT APPLICABLE			
·		•	
5. Discharge Type Code:			
[ ] D [X ] F	[ ] H	[ ] P	
[ ] R	ĵ j W		
6. Stack Height: NOT APPLICABI	L.E.	feet	
o. Stack Height. Ivo I Hi I Election		1001	
7. Exit Diameter:	•	feet	
7. Exit Diameter.		leet	
9 · F		o <u>k</u>	
8. Exit Temperature:		1°	
·	·		<u> </u>
			, -
9. Actual Volumetric Flow Rate:		acfm	•
	•		

139

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

Effective: 3-21-96

Emissions Unit Information Section \_\_\_7\_\_ of \_\_\_9\_\_

10. Percent Water Vapor:		%		
11. Maximum Dry Standard	Flow Rate:	dscfm		
12. Nonstack Emission Poir	t Height: ~ 8.0 feet			
13. Emission Point UTM Codetermined as of yet.)	ordinates: (for base/main	location of crushing unit only, others not		
Zone: 17	East (km): 499.7	North (km): 3225.5		
14. Emission Point Commen	t (limit to 200 characters	s):		
Emissions Point will be fug	Emissions Point will be fugitive only, if any emissions are generated at all.			
·				
	•			

Emissions Unit Information Section	7	of	9	
------------------------------------	---	----	---	--

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

Segment Description and Rate: Segment 1 of 1

<ol> <li>Segment Description (Process/Fuel Type and Associated Operating Method/Mode) (limit to 500 characters):</li> </ol>				
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): 3050250	03			
` '				
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:	<u> </u>			
NA				
10. Segment Comment (limit to 200 characters)	:			
·				
	•			
	·			

En	Emissions Unit Information Section/ of9					
Se	gment Description and Rate: Segment	of				
1.	Segment Description (Process/Fuel Type and (limit to 500 characters):	d Associated Operating Method/Mode)				
		•				
	·					
	•					
2	Source Classification Code (SCC):					
	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)	:				
		•				

Emissions	Unit	<b>Information Section</b>	7	of	9	
	~		,	VI.	_	

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

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

Emissions Unit Information Section \_\_\_7\_\_ of \_\_\_9\_\_

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

Pollutant Detail Information: Pollutant 1 of 1

1	D 11 4 4 E 14 1 DNA MOOD
1.	Pollutant Emitted: PM <sub>10</sub> , 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
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):
PM	$110_{yearly} = [(250 \text{ ton/hr})(3120 \text{ hr/yr})(0.0048 \text{ lb/ton})] / (2000 \text{ lb/ton}) = 1.87 \text{ ton/yr}$
PM	$110_{\text{hour}} = [(250 \text{ ton/hr})(0.0048 \text{ lb/ton})] = 1.20 \text{ lb/hr}$
TS	$P_{yearly} = [(250 \text{ ton/hr})(3120 \text{ hr/yr})(0.0048 \text{ lb/ton})] (2.1) / (2000 \text{ lb/ton}) = 3.93 \text{ ton/yr}$
TS	$P_{\text{hour}} = [(250 \text{ ton/hr})(0.0048 \text{ lb/ton})] (2.1) = 2.52 \text{ lb/hr}$
9.	Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):

En	nissions Unit Information Section7 of9
<u>Al</u>	lowable Emissions (Pollutant identified on front of page)
A.	
	Basis for Allowable Emissions Code: This facility will be subject to 40 CFR Part 60, bpart 000 rules and regulations.
2.	Future Effective Date of Allowable Emissions: Initial 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):

<b>Emissions Unit Information Section</b>	7	of	9	
---	---	----	---	--

# I. VISIBLE EMISSIONS INFORMATION (Regulated Emissions Units Only)

<u>Vi</u>	sible Emissions Limitation: Visible Emissions Limitation1_	of1	,
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	n testing.	
5.	Visible Emissions Comment (limit to 200 characters):		
<u>Vi</u>	sible Emissions Limitation: Visible Emissions Limitation	of	
	sible Emissions Limitation: Visible Emissions Limitation  Visible Emissions Subtype:	_ of	
1.			_
1.	Visible Emissions Subtype:		% min/hour
<ol> <li>2.</li> <li>3.</li> </ol>	Visible Emissions Subtype:  Basis for Allowable Opacity: [ ] Rule [ Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions:		%

<b>Emissions Unit Information Section</b>	7	of	9	
---	---	----	---	--

### J. CONTINUOUS MONITOR INFORMATION (Regulated Emissions Units Only)

Continuous Monitoring System: Continuous Monitor \_\_\_\_\_ of \_\_\_\_ 1. Parameter Code: 2. Pollutant(s): **NOT APPLICABLE** 3. CMS Requirement: [ ] Rule [ ] Other 4. Monitor Information: Manufacturer: Model Number: Serial Number: 5. Installation Date: 6. Performance Specification Test Date: 7. Continuous Monitor Comment (limit to 200 characters): **NOT APPLICABLE** Continuous Monitoring System: Continuous Monitor \_\_\_\_\_ of \_\_\_\_ 1. Parameter Code: 2. Pollutant(s): 3. CMS Requirement: [ ] Other [ ] Rule 4. Monitor Information: Manufacturer: Model Number: Serial Number: 5. Installation Date: 6. Performance Specification Test Date: 7. Continuous Monitor Comment (limit to 200 characters):

where  $x \in \{x_1, \dots, x_n\}$  , where  $x_1 \in \{x_1, \dots, x_n\}$  ,  $\{x_n, \dots, x_n\}$ 

<b>Emissions</b>	Unit	<b>Information</b>	Section	7	of	9	
------------------	------	--------------------	---------	---	----	---	--

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

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

(Regulated and Unregulated Emissions Units)

#### **PSD Increment Consumption Determination**

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether

or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

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

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

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

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

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

:						
		s to make a p SD incremen	preliminary detern t for nitrogen diox	nination as to	oxides, answer the whether or not the rst statement, if any	emissions
	application,		rgone PSD review	•	ng PSD review as por nitrogen dioxide	-
	to paragraph F.A.C., and commence)	h (c) of the d the emission	efinition of "majo ns unit addressed in after February 8,	r source of air n this section	an EPA major sou pollution" in Chap commenced (or wi paseline emissions	oter 62-21 11
l	emissions w	nit began ini	tial operation after	r February 8,	an EPA major sou 1988, but before M unit consumes incr	arch 28,
Į		•	~		) initial operation a ons unit consumes	
ĺ	nonzero. In needed to de	such case, a	dditional analysis	, beyond the s missions have	of the emissions un cope of this application occurred (or will of	ation, is
3. I	Increment Consur	ning/Expand	ling Code:			
	PM	[ ] C	[ ]E		Unknown	
	SO2 NO2	[ ] C	[ ]E [ ]E		Unknown Unknown	
4. I	Baseline Emission	ns:				
	PM <sub>10</sub> / TSP SO2		1.20/2.52 lb/hour	1.87	/ <b>3.93</b> tons/year	
			lb/hour		tons/year	

149

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

<b>Emissions Unit Information Section</b>	7	of	9	
---	---	----	---	--

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

### **Supplemental Requirements for All Applications**

1.	Process Flow Diagram
	[X ] Attached, Document ID:III[ ] Not Applicable [ ] Waiver Requested
2.	Fuel Analysis or Specification
	[ ] Attached, Document ID: [ ] Not Applicable [ ] Waiver Requested
	[ ][ ]
3.	Detailed Description of Control Equipment
	[X ] Attached, Document ID:V[ ] Not Applicable [ ] Waiver Requested
4.	Description of Stack Sampling Facilities
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
-	Committee on Treat Descript
Э.	Compliance Test Report
	[ ] Attached, Document ID:
	[ ] Bearing a langitted Data:
	[ ] Previously submitted, Date:
	[X ] Not Applicable
	fee I assessifteeness
6.	Procedures for Startup and Shutdown
	[ ] Attached, Document ID: [X ] Not Applicable
7.	Operation and Maintenance Plan
	[X ] Attached, Document ID:VI [ ] Not Applicable
8.	Supplemental Information for Construction Permit Application
	[X ] Attached, Document ID:VII [X ] Not Applicable
9.	Other Information Required by Rule or Statute
	[ ] Attached, Document ID: [X ] Not Applicable

<b>Emissions Unit Information Section</b>	7	of	9	
---	---	----	---	--

### 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:
5 1 D ( 144 ) D ( 17
[ ] 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)

<b>Emissions Unit Information Section</b>	8	of	9	
---	---	----	---	--

#### III. EMISSIONS UNIT INFORMATION

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

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

#### Type of Emissions Unit Addressed in This Section

1.	R	egulated or Unregulated Emissions Unit? Check one:
[X]	T	he emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.
[	]	The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.
2.	Si	ngle Process, Group of Processes, or Fugitive Only? Check one:
[	]	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.
[ <b>X</b>	]	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>Emissions Unit Information Section</b>	8	of	9	
---	---	----	---	--

## 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.				
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1				
2. Emissions Unit Identification	on Number: [ ] No Corres	sponding 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 ch	naracters):	<u> </u>		
-		In addition, the stacker belts are		
kept close to the top of the sto		•		
2. Control Device or Method Code:  061, 099				

Emissions Unit Information Section8 of9
В.
Description (limit to 200 characters):
1. Description (mint to 200 characters):
2. Control Device or Method Code:
2. Control Device of Method Code.
<b>C</b> .
1. Description (limit to 200 characters):
2. Control Device or Method Code:

<b>Emissions</b>	Unit	Information	Section	8	of	9

### 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: 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 Operat	ing Schedule:	
	10 hours/day	6 days/week
	52 weeks/year	3120 hours/year

<b>Emissions Unit Information Section</b>	8	of	9	
---	---	----	---	--

## D. EMISSIONS UNIT REGULATIONS (Regulated Emissions Units Only)

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

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

Emissions Unit Information Section 8 of	9	
---	---	--

<u>List of Applicable Regulations</u> (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	

<b>Emissions Unit Information Section</b>	8	of	9	
---	---	----	---	--

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

### **Emission Point Description and Type**

_	71 10 1 0 1 0				
1.	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:	·			
		3 [X] 4			
		. ,			
16	Descriptions of Emissions Points Comprisi	ing this Emissions Unit for VE Tracking (limit			
10.	to 100 characters per point):	ing this Emissions Chit for VE Tracking (mint			
	to 100 characters per point).				
Vis	sible Emissions will be determined in the	area of drop point, where material exits			
Ra	dial Stacker Belt No.1 or No.2 and is droj	pped to it's stockpile.			
		•			
4.	ID Numbers or Descriptions of Emission U	Jnits with this Emission Point in Common:			
	NOT APPLICABLE				
	NOT ATTEICABLE	•			
		•			
5.	Discharge Type Code:	-			
•		H [ ] P			
		W			
6.	Stack Height: NOT APPLICABLE	feet			
7.	Exit Diameter:	feet			
Q	Exit Temperature:	o.E.			
σ.	LAR Temperature.	f r			
		<u> </u>			
	<u> </u>				
9.	Actual Volumetric Flow Rate:	acfm			

158

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

Effective: 3-21-96

Emissions Unit Information Section \_\_\_8\_\_ of \_\_\_9\_\_

10. Percent Water Vapor:		%
11. Maximum Dry Standard	Flow Rate:	dscfm
12. Nonstack Emission Poi	nt Height: ~ <b>0.0</b> to <b>20.0</b> fe	et
13. Emission Point UTM Codetermined as of yet.)	pordinates: (for base/main	location of crushing unit only, others not
Zone: 17	East (km): 499.7	North (km): 3225.5
14. Emission Point Commer Emissions Point will be fur		

<b>Emissions Unit Information Section</b>	8	of	9	
---	---	----	---	--

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

Segment Description and Rate: Segment \_\_1\_\_ of \_\_1\_\_

Segment Description (Process/Fuel Type and (limit to 500 characters):	d Associated Operating Method/Mode)
	able Crushing Unit – Drop point from Radial (Material Handling - Emissions related to
2. Source Classification Code (SCC): 3050250	)3
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)	:

131	Emissions Chit Information Sectionoof				
<u>Se</u>	Segment Description and Rate: Segment of				
1.	Segment Description (Process/Fuel Type and (limit to 500 characters):	d Associated Operating Method/Mode)			
		•			
		•			
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)	:			
		·			

<b>Emissions Unit Information Section</b>	8	of	9	
---	---	----	---	--

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

1. Pollutant Emitted	2. Primary Control	3. Secondary Control	4. Pollutant
	Device Code	Device Code	Regulatory Code
PM10	061	099	WP
TCD	0(1	000	XX/D
TSP	061	099	WP
····			
		·	-
			_
		_	
			·
		,	
			·

162

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

Effective: 3-21-96

## 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 <sub>10</sub> , TSP
2.	Total Percent Efficiency of Control: 80 %
3.	Potential Emissions: $PM10_{hourly} = 1.20 \text{ lb/hr}$ $PM10_{yaerly} = 1.87 \text{ ton/yr}$ $TSP_{hourly} = 2.52 \text{ lb/hr}$ $TSP_{yearly} = 3.93 \text{ ton/yr}$
4.	Synthetically Limited? [X ] Yes [ ] No
5.	Range of Estimated Fugitive/Other Emissions:  [ ] 1
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
PM	Calculation of Emissions (limit to 600 characters): $ 110_{yearty} = [(250 \text{ ton/hr})(3120 \text{ hr/yr})(0.0048 \text{ lb/ton})] / (2000 \text{ lb/ton}) = 1.87 \text{ ton/yr} $ $ 110_{hour} = [(250 \text{ ton/hr})(0.0048 \text{ lb/ton})] = 1.20 \text{ lb/hr} $
TS	$P_{yearly} = [(250 \text{ ton/hr})(3120 \text{ hr/yr})(0.0048 \text{ lb/ton})] (2.1) / (2000 \text{ lb/ton}) = 3.83 \text{ ton/yr}$
TS	$P_{hour} = [(250 \text{ ton/hr})(0.0048 \text{ lb/ton})] (2.1) = 2.52 \text{ lb/hr}$
9.	Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):

Emissions Unit Information Section8 of9					
<u>Al</u>	Allowable Emissions (Pollutant identified on front of page)				
<u>A.</u>					
1. Su	Basis for Allowable Emissions Code: This fac bpart 000 rules and regulations.	ility will be subject t	to 40 CFR Part 60,		
2.	Future Effective Date of Allowable Emissions:				
	Initial 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 (limit to 200 characters):	of Related Operatin	g Method/Mode)		
		·			
В.					
1.	Basis for Allowable Emissions Code:				
2.	Future Effective Date of Allowable Emissions:				
3.	Requested Allowable Emissions and Units:				
4.	Equivalent Allowable Emissions:	lb/hr	tons/year		
5.	Method of Compliance (limit to 60 characters):				
6.	Pollutant Allowable Emissions Comment (Desc (limit to 200 characters):	of Related Operatin	g Method/Mode)		

Emissions chiefinitifiation section of the	Emissions	Unit	Infori	mation	Section	8	of	9	
--	-----------	------	--------	--------	---------	---	----	---	--

### I. VISIBLE EMISSIONS INFORMATION (Regulated Emissions Units Only)

<u>Visible Emissions Limitation:</u> 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):

<b>Emissions Unit Information Section</b>	8	of	9	
---	---	----	---	--

### J. CONTINUOUS MONITOR INFORMATION (Regulated Emissions Units Only)

Continuous Monitoring System: Continuous Monitor \_\_\_\_ of \_\_\_\_ 1. Parameter Code: 2. Pollutant(s): **NOT APPLICABLE** 3. CMS Requirement: ] Rule [ ] Other 4. Monitor Information: Manufacturer: Model Number: Serial Number: 5. Installation Date: 6. Performance Specification Test Date: 7. Continuous Monitor Comment (limit to 200 characters): **NOT APPLICABLE** Continuous Monitoring System: Continuous Monitor \_\_\_\_\_ of \_\_\_\_ 2. Pollutant(s): 1. Parameter Code: 3. CMS Requirement: ] Rule [ ] Other 4. Monitor Information: Manufacturer: Serial Number: Model Number: 5. Installation Date: 6. Performance Specification Test Date: 7. Continuous Monitor Comment (limit to 200 characters):

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

(Regulated and Unregulated Emissions Units)

### <u>PS</u>

1.

D Increment Consumption Determination
Increment Consuming for Particulate Matter or Sulfur Dioxide?
If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.
[ ] The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.
[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.
[ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
[ ] For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
[X] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

Er	nissions Unit Information Section8 of9
2.	Increment Consuming for Nitrogen Dioxide?
	If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.
	[ ] The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.
	[ ] The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
	[ ] The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
	[ ] For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
	[X] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.
3.	Increment Consuming/Expanding Code:
	PM [ ] C [ ] E [X ] Unknown
	SO2 [ ] C [ ] E [X ] Unknown
	NO2 [ ] C [ ] E [X ] Unknown
4.	Baseline Emissions:
	PM <sub>10</sub> / TSP 1.20 / 2.52 lb/hour 1.87 / 3.93 tons/year SO2 lb/hour tons/year
	NO2 tons/year
5.	PSD Comment (limit to 200 characters):
٠.	2 22 Comment (mint to 200 characters).

168

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

<b>Emissions Unit Information Section</b>	8	oi	9
---	---	----	---

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

### **Supplemental Requirements for All Applications**

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

<b>Emissions Unit Information Section</b>	8	of	9	
---	---	----	---	--

### 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:
[ ] NH-it-Ftion (F No. (2.210.000(1)(-)2.)
[ ] 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

<b>Emissions Unit Information Section</b>	9	of	9
---	---	----	---

### 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

<ol> <li>Regulated or Unregulated Emissions Unit? Check one:</li> <li>The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.</li> <li>The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.</li> <li>Single Process, Group of Processes, or Fugitive Only? Check one:</li> <li>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).</li> <li>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.</li> <li>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.</li> </ol>	
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	1. Regulated or Unregulated Emissions Unit? Check one:
<ul> <li>emissions unit.</li> <li>2. Single Process, Group of Processes, or Fugitive Only? Check one:</li> <li>[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).</li> <li>[ ] 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.</li> <li>[ ] This Emissions Unit Information Section addresses, as a single emissions unit, one or more</li> </ul>	
<ul> <li>[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).</li> <li>[ ] 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.</li> <li>[ ] This Emissions Unit Information Section addresses, as a single emissions unit, one or more</li> </ul>	
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	2. Single Process, Group of Processes, or Fugitive Only? Check one:
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 unit, or activity, which produces one or more air pollutants and
	process or production units and activities which has at least one definable emission point

Emissions	Unit	Information	Section	9	of	9	

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

### **Emissions Unit Description and Status**

1. Description of Emissions U	Init Addressed in This Section (1	imit to 60 characters):
Caterpillar, No.2 virgin diese	l fired, 400KVA, 320 kW Gene	erator Set – used to supply
electrical power to crushing p	olant. Sulfur limit in fuel oil lin	nited to 0.5% by weight.
2. Emissions Unit Identification	on Number: [ ] No Correspo	onding ID [X] Unknown
3. Emissions Unit Status Code:	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code:
A	[ ] ICS [A] NO	14
6. Emissions Unit Comment (	limit to 500 characters):	
= :	rator Set used to supply electri	_
9	n diesel fuel oil with a maximu maximum fuel consumption a	<u> </u>
	•	
Emissions Unit Control Equi	nment	
Α.		
17. Description (limit to 200 ch	aracters):	-
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:

Emissions Unit Information Section \_\_\_9\_\_ of \_\_\_9\_\_

Emissions	Unit	<b>Information</b>	Section	9	of	9	

# 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:

٥F

Dwell Time:

seconds

Incinerator Afterburner Temperature:

۰F

### **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:

10 hours/day
6 days/week
52 weeks/year
3120 hours/year

EMISSIONS ID. NO. 009

CATERPILLAR INC. -GENERATOR SET

Emissions Unit Information Section 9	of	9
--------------------------------------	----	---

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

Segment Description and Rate: Segment \_\_1\_\_ of \_\_1\_\_

1.	Segment Description (Process/Fuel Type are (limit to 500 characters):	nd Associated Operating Method/Mode)
	gle Crusher Company, Inc. – Portable C nerator Set fired on No.2 virgin diesel fue	Crushing Unit – Emissions from Caterpillar loil with a sulfur limit of 0.5% by weight.
	G	_
2.	Source Classification Code (SCC): 2020040	01
	22211 1 1000 11	
3.	SCC Units: 1000 gallons burned	
	14 1 D	(C.)()
4.	Maximum Hourly Rate:	5. Maximum Annual Rate:
	25.0 gal/hr @ worst case scenario	78,000 gal/yr @ max.
6.	Estimated Annual Activity Factor:	
	0.50 tpy @ worst case scenario at worst	
7.	Maximum Percent Sulfur:	8. Maximum Percent Ash:
	0.50 % by weight	NEG.
9.	Million Btu per SCC Unit:	
	138.0 MMBtu/S	
10.	Segment Comment (limit to 200 characters)	:

Emissions Unit Information Section9_	_ of9
Segment Description and Rate: Segment	of
1. Segment Description (Process/Fuel Type a (limit to 500 characters):	nd Associated Operating Method/Mode)
2. Source Classification Code (SCC):	
3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
6. Estimated Annual Activity Factor:	<del></del>
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
9. Million Btu per SCC Unit:	
10. Segment Comment (limit to 200 characters	s):

Emissions	Unit	Information	Section	9	of	9
	CHIL	THIOI HIMEIOH	Section	,	V.	_

# D. EMISSIONS UNIT REGULATIONS (Regulated Emissions Units Only)

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

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

<b>Emissions</b>	Unit	<b>Information Section</b>	9	of	9	
------------------	------	----------------------------	---	----	---	--

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

· .

Emissions	Unit	Information Section	9	of	9	

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

### **Emission Point Description and Type**

1	Identification of Daint on Dist Discourse Discourse
l.	Identification of Point on Plot Plan or Flow Diagram:
_	Caterpillar Diesel fired Generator-Set (009)
2.	Emission Point Type Code:
	[X] 1 [] 2 [] 3
18.	. Descriptions of Emissions Points Comprising this Emissions Unit for VE Tracking (limit
	to 100 characters per point):
Vi	sible Emissions will be determined from the 12" round exhaust stack exiting this unit.
4 1,	sible Emissions will be determined from the 12 Tound 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:
J.	
	[ ] R
6.	Stack Height: ~ 15 feet
7.	Exit Diameter: ~ 12"
8.	Exit Temperature: ~750°F °F
٥.	
0	A stual Walnumatria Elays Data: 5200 aufm
У.	Actual Volumetric Flow Rate: ~ 5300 acfm

177

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

Effective: 3-21-96

Emissions Unit Information Section \_\_\_9\_\_ of \_\_\_9\_\_

%
dscfm
-
location of crushing unit only, others not
North (km): 3225.5
):
oly electrical power to crushing plant.  n maximum sulfur content of 0.5% by mption at 25 gal/hr.
)

<b>Emissions Unit Information Section</b>	9	of	9	
---	---	----	---	--

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

Segment Description and Rate: Segment \_\_1\_\_ of \_\_1\_\_

1. Segment Description (Process/Fuel Type as	nd Associated Operating Method/Mode)
(limit to 500 characters):	
	Crushing Unit – Emissions from Caterpillar
Generator Set fired on No.2 virgin diesel fue	el oil with a sulfur limit of 0.5% by weight.
•	
	•
2. Source Classification Code (SCC): 202004	01
3. SCC Units: 1000 gallons burned	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
25.0 gal/hr @ worst case scenario	78,000 gal/yr @ max.
6. Estimated Annual Activity Factor:	
0.50 tpy @ worst case scenario at wors	st site.
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
0.50 % by weight	NEG.
9. Million Btu per SCC Unit:	
138.0 MMBtu/S	SCC Unit
10. Segment Comment (limit to 200 characters	):
·	
•	
<u> </u>	

Er	Emissions Unit Information Section9 of9		
<u>Se</u>	gment Description and Rate: Segment	of	
1.	Segment Description (Process/Fuel Type ar (limit to 500 characters):	nd Associated Operating Method/Mode)	
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)	):	
	·		

Effective: 3-21-96

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

1. Pollutant Emitted	2. Primary Control	3. Secondary Control	4. Pollutant
	Device Code	Device Code	Regulatory Code
TSP	None	None	EL
SO2	None	None	EL
CO	None	None	EL
NOx	None	None	EL
ТОС	None	None	EL
		,	_
		-	
			_
		-	
			_
			-

Pollutant Detail Information: Pollutant 1 of 5

1. 2.	Pollutant Emitted: <b>PM</b> <sub>10</sub>
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
	Emission Factor: 0.31 lbs/MMBTU Reference: AP-42
7.	Emissions Method Code: [ ] 0
	Calculation of Emissions:  M10 = (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):

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

3.	Pollutant Emitted: NOX <sub>0</sub>
	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
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:
,	Carcaration of Emissions.
N(	Dx = (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):
	·

Emissions Unit Information Section 9 of	9	
---	---	--

Pollutant Detail Information: Pollutant 3 of 5

<u>1.</u>	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
	Emission Factor: 0.95 lbs/MMBTU Reference: AP-42
7.	Emissions Method Code:
	[]0 []1 []2 [X]3 []4 []5
10.	Calculation of Emissions:
CC	0 = (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):
· .	

Emissions Unit Information Section 9 of 9	<b>Emissions</b>	Unit :	Information	Section	9	of	9	
---	------------------	--------	-------------	---------	---	----	---	--

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 [ ] 30 to0 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):

**Pollutant Detail Information:** Pollutant <u>5</u> of <u>5</u>

1 P	Pollutant Emitted: TOC
	Total Percent Efficiency of Control: NONE
۷.	Total I electic Efficiency of Condol. 1401412
3	Potential Emissions: TOC = 1.24 lb/hr or 1.93 ton/yr
٥.	1 otential Emissions. Toe – 1.24 lb/lif of 1.93 toll/yf
4.	Synthetically Limited?
	[X] Yes [] No
5.	Range of Estimated Fugitive/Other Emissions:
	[ ] 1
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:
TO	OC = (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
	•
	Pollutent Petential/Estimated Emissions Comment (limit to 200 sharestons):
У.	Pollutant Potential/Estimated Emissions Comment (limit to 200 characters):

Effective: 3-21-96

. Basis for Allowable Emissions Code: This		
Subpart 000 rules and regulations.	facility will be sub	oject to 40 CFR Part 60
E. Future Effective Date of Allowable Emission	ons:	
Initial Visible Emissions Compliance Te		•
<ul><li>Requested Allowable Emissions and Units: &lt;20% Opacity</li></ul>		
Equivalent Allowable Emissions:	lb/hour	tons/year
Method of Compliance (limit to 60 characters Annual EPA Method 9 Compliance Test		
Pollutant Allowable Emissions Comment (limit to 200 characters):	Desc. of Related Op	erating Method/Mode)
		•
3.		·
Basis for Allowable Emissions Code:		
. Basis for Allowable Emissions Code:		· · · · · · · · · · · · · · · · · · ·
	ons:	
. Basis for Allowable Emissions Code:  E. Future Effective Date of Allowable Emissions		
. Basis for Allowable Emissions Code:		
. Basis for Allowable Emissions Code:  E. Future Effective Date of Allowable Emissions		tons/year
<ul> <li>Basis for Allowable Emissions Code:</li> <li>Future Effective Date of Allowable Emission</li> <li>Requested Allowable Emissions and Units:</li> <li>Equivalent Allowable Emissions:</li> </ul>	lb/hr	tons/year
<ul><li>Basis for Allowable Emissions Code:</li><li>Future Effective Date of Allowable Emission</li><li>Requested Allowable Emissions and Units:</li></ul>	lb/hr	tons/year
<ul> <li>Basis for Allowable Emissions Code:</li> <li>Future Effective Date of Allowable Emission</li> <li>Requested Allowable Emissions and Units:</li> <li>Equivalent Allowable Emissions:</li> </ul>	lb/hr	tons/year
<ul> <li>Basis for Allowable Emissions Code:</li> <li>Future Effective Date of Allowable Emission</li> <li>Requested Allowable Emissions and Units:</li> <li>Equivalent Allowable Emissions:</li> <li>Method of Compliance (limit to 60 characters)</li> </ul>	lb/hr ers):	· · · · · · · · · · · · · · · · · · ·
<ul> <li>Basis for Allowable Emissions Code:</li> <li>Future Effective Date of Allowable Emissions</li> <li>Requested Allowable Emissions and Units:</li> <li>Equivalent Allowable Emissions:</li> <li>Method of Compliance (limit to 60 characters)</li> <li>Pollutant Allowable Emissions Comment (1)</li> </ul>	lb/hr ers):	· · · · · · · · · · · · · · · · · · ·
<ul> <li>Basis for Allowable Emissions Code:</li> <li>Future Effective Date of Allowable Emission</li> <li>Requested Allowable Emissions and Units:</li> <li>Equivalent Allowable Emissions:</li> <li>Method of Compliance (limit to 60 characters)</li> </ul>	lb/hr ers):	· · · · · · · · · · · · · · · · · · ·
<ul> <li>Basis for Allowable Emissions Code:</li> <li>Future Effective Date of Allowable Emissions</li> <li>Requested Allowable Emissions and Units:</li> <li>Equivalent Allowable Emissions:</li> <li>Method of Compliance (limit to 60 characters)</li> <li>Pollutant Allowable Emissions Comment (1)</li> </ul>	lb/hr ers):	· · · · · · · · · · · · · · · · · · ·

<b>Emissions Unit Information Section</b>	9	of of	9	
---	---	-------	---	--

# I. VISIBLE EMISSIONS INFORMATION (Regulated Emissions Units Only)

<u> </u>	sidle Emissions Limitation: Visible Emissions Limitation1 of1
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):
<u>Vi</u>	sible Emissions Limitation: Visible Emissions Limitation of
	Visible Emissions Limitation: Of _
1.	· · · · · · · · · · · · · · · · · · ·
1.	Visible Emissions Subtype:
<ol> <li>2.</li> <li>3.</li> </ol>	Visible Emissions Subtype:  Basis for Allowable Opacity: [ ] Rule [ ] Other  Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: %

<b>Emissions Unit Information Section</b>	9	of	9	
---	---	----	---	--

# J. CONTINUOUS MONITOR INFORMATION (Regulated Emissions Units Only)

Continuous Monitoring System: Continuous Monitor of 1. Parameter Code: 2. Pollutant(s): **NOT APPLICABLE** 3. CMS Requirement: [ ] Rule [ ] Other 4. Monitor Information: Manufacturer: Model Number: Serial Number: 5. Installation Date: 6. Performance Specification Test Date: 7. Continuous Monitor Comment (limit to 200 characters): **NOT APPLICABLE** Continuous Monitoring System: Continuous Monitor \_\_\_\_\_ of \_\_\_\_ 1. Parameter Code: 2. Pollutant(s): [ ] Rule [ ] Other 3. CMS Requirement: 4. Monitor Information: Manufacturer: Model Number: Serial Number: 5. Installation Date: 6. Performance Specification Test Date: 7. Continuous Monitor Comment (limit to 200 characters):

<b>Emissions Unit Information Section</b>	9	of	9	
---	---	----	---	--

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

(Regulated and Unregulated Emissions Units)

### **PSD Increment Consumption Determination**

1. Increment Consuming for Particulate Matter or Sulfur Dioxide? If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements. The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment. The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment. The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment. For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment. [X] None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

				•
Er	missions Unit Information Sec	ction9 of _	_9	
2.	Increment Consuming for Nit	rogen Dioxide?		
	series of questions to make a	preliminary determit t for nitrogen dioxid	its nitrogen oxides, answer the foll mation as to whether or not the em le. Check first statement, if any, the	issions
	_	rgone PSD review p	n is undergoing PSD review as part previously, for nitrogen dioxide. If	
	to paragraph (c) of the d F.A.C., and the emission	efinition of "major ns unit addressed in n after February 8, 1	classified as an EPA major source source of air pollution" in Chapter this section commenced (or will 988. If so, baseline emissions are	62-213,
	emissions unit began ini	tial operation after	classified as an EPA major source, February 8, 1988, but before Marc d emissions unit consumes increm	h 28,
		• •	or will begin) initial operation after, and emissions unit consumes incr	
	nonzero. In such case, a	dditional analysis, lether changes in em	e emissions of the emissions unit as beyond the scope of this application issions have occurred (or will occurred increment.	n, is
3.	Increment Consuming/Expand	ling Code:		
	PM [ ] C	[ ] E	[X] Unknown	
	SO2 [ ] C	[ ] E	[X] Unknown	
	NO2 [ ] C	[ ] E	[X ] Unknown	
4.	Baseline Emissions:			
	PM <sub>10</sub> / TSP	1.07 lb/hour	1.67 tons/year	
	SO2	<b>1.00</b> lb/hour	1.56 tons/year	
	NO2	15.21 lb/hr	23.73 tons/year	
5.	PSD Comment (limit to 200 c	haracters):		

191

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

<b>Emissions Unit Information Section</b>	9	of	9	
---	---	----	---	--

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

### **Supplemental Requirements for All Applications**

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

<b>Emissions Unit Information Se</b>	ection 9	of	9	
--------------------------------------	----------	----	---	--

### 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 Pain Part Phase II (Form No. 62.210.000(1)(a))			
[ ] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID:			
Tittachea, Becament 18.			
[ ] 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			

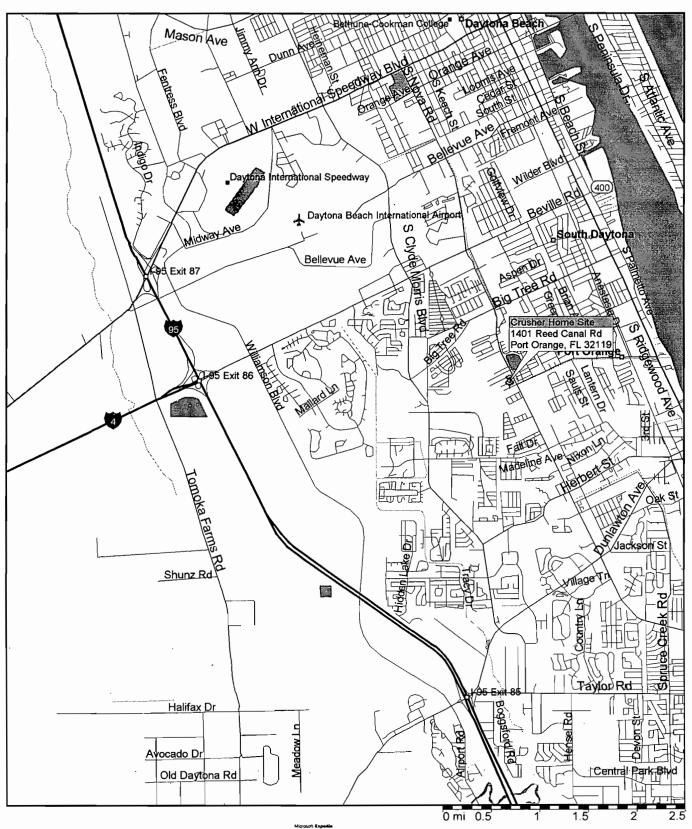
### TABLE OF CONTENTS

- I. FACILITY LOCATION
- II. SITE PLAN
- III. FLOW DIAGRAM
- IV. TYPICAL FUEL ANALYSIS GENSET
- V. CONTROL EQUIPMENT
- VI. O & M PLAN
- VII. SUPPLEMENTAL INFORMATION

I. FACILITY LOCATION

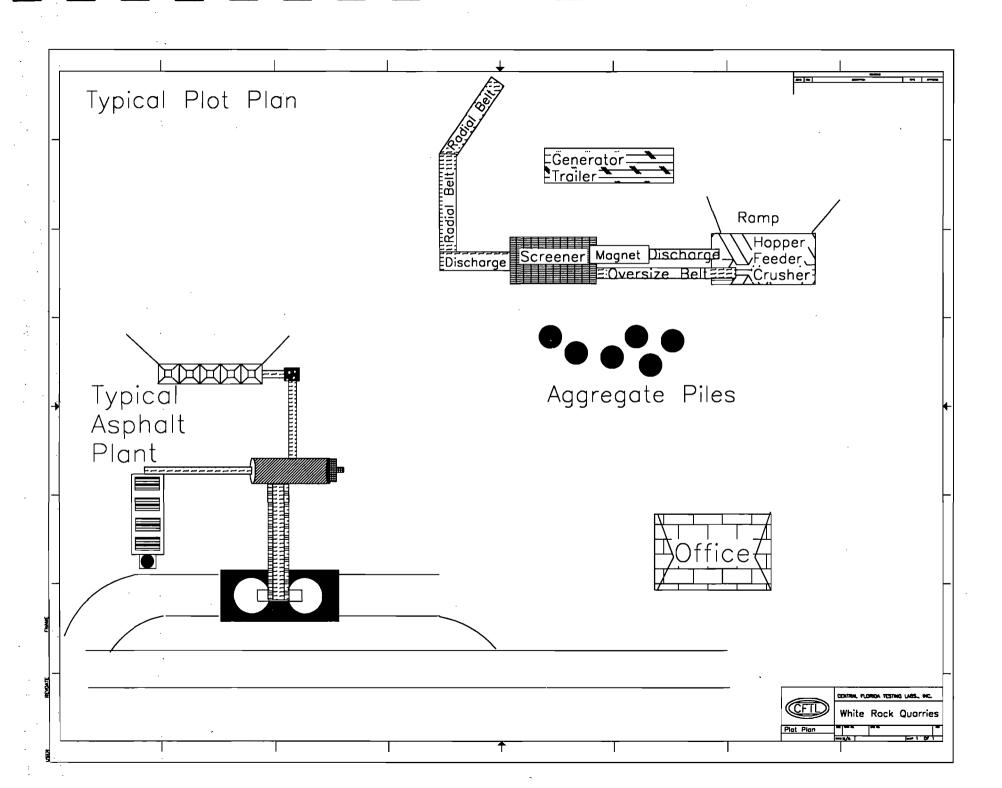
### White Rock Quarries

Portable Bohringer Crushing Unit - Home Base



Streets 98

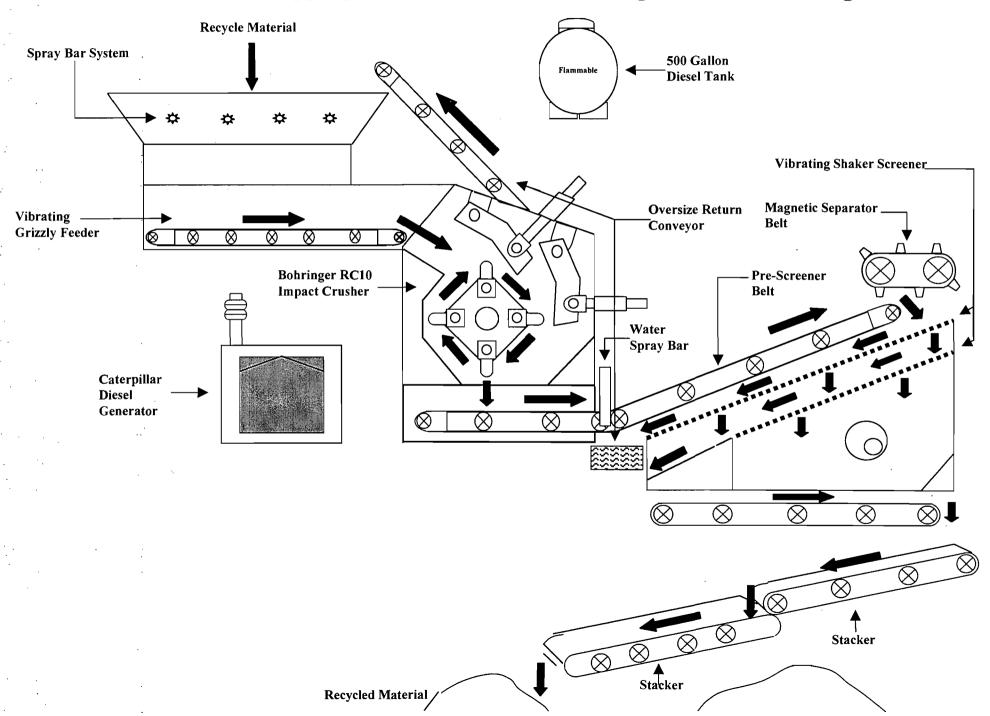
II. SITE PLAN



III. FLOW DIAGRAM

### BE<u>ST A</u>VA<u>ILABLE COP</u>Y

## White Rock Quarries - Portable Bohringer Reclaimed Aggregate Crushing & Screening - Plant Flow Diagram



### PROCESS DESCRIPTION

This project consists of a portable secondary crushing plant that will be utilized to recycle reclaimed concrete and asphalt material at various sites throughout the state of Florida, for reuse in asphalt plants, as base material and fill by contracting companies and for sale to the general public.

The process begins with the transfer of reclaimed concrete and asphalt material that has been scalped or excavated from highways, parking lots, building demolition, etc. is brought to any of this company's clients facilities by dump truck and stockpiled for crushing. The client then contacts White Rock Quarries and the crushing unit is brought to the site of where the material has been stockpiled for crushing. This stockpiled material, usually in chunk form ranging from one to twenty inches in diameter contains very little if any fine material and therefore is virtually dust free. This material is too large to reuse in it's reclaimed size, so it has to be screened and crushed to various practical aggregate sizes. The reclaimed concrete is transferred from it's stockpiles by a front-end-loader into the vibrating grizzly feeder hopper. From this hopper the reclaimed material vibrates into the crusher where it is crushed to a desired size and drops onto the discharge pan below the crusher. This crushed material is then transferred by conveyor belt to a metal extractor that removes any metal that may have been within the reclaimed material. After passing the metal extractor the material is then dropped to vibrating screening system. Once the material reaches and drops onto the vibrating screening system any over size material is transferred back to the crusher by conveyor, whereas the material that passes through several screens and is dropped onto a transfer conveyor then to radialstacker belts that stockpiles the material for reuse at a later time.

The majority of fugitive dust created during this process is generated by the vibrating feeder hopper and the impact - crusher and at the drop point below the crusher. These emission points as well as all transfer and if needed drop points throughout the plant will be controlled by a self-made water spray bar / spray head dust suppression system that employs spray bars and spray heads at the various emission points throughout the plant were deemed necessary.

Any fugitives generated by vehicular traffic, winds and airborne particulate from stockpiles will are the responsibility of the property owner and will be controlled as stated in the specific conditions of their FDEP Operation Permit.

This facility will comply with all FDEP Rules and Regulations referencing portable crushing plants of this type.

IV. TYPICAL FUEL ANALYSIS
Diesel Fired Generator

### **BEST AVAILABLE COPY**

# 990 NORTH DOCK STREET / PORT MANATEE PALMETTO, FL 34221

(941) 723-2263 ASTM MEMBER

### REPORT OF LABORATORY ANALYSIS

LAB NO, ML 8504		RKED: STK 407 after"Mekhanik
SAMPLE DATE: 10-27-98	R	SPORT DATE: 10-27-28
_LOCATION: Coastal Refini	ng&Marketing T	nc -Port Manates
SAMPLE SUBMITTED BY: Incer	tek Caleb Bra	tt
SAMPLE DESCRIPTION:		i 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	40 40 40 40 40 40 40 40 40 40 40 40 40 4
COMPATIBILITY, SPOT NO.	D4740	
CORROSION, COPPER	D <u>130</u>	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		<u> </u>
LEAD, PPM		<0.1
SODIUM, PPM VANADIUM, PPM		<0.1
אַרואַרוטועו, ררועו		<0.1

MARIE F. CALHOON, CHEMIST

V. CONTROL EQUIPMENT

# **CONTROL EQUIPMENT**

All of the equipment used to control fugitive dust emissions from this crushing unit will be generated by crushing and maintenance personnel on as needed basis as this crushing unit did not come equipped with any dust suppression equipment when purchased.

The water spray bar and spray head system used on this equipment were manufactured and installed on areas where possible fugitive dust emissions would occur during the crushing, screening and conveying operations.

The control process starts with an on site water truck or pond that is equipped an electric pump (only one used at a time as one is a spare) that is used to feed water through 1 1/2 inch PVC pipe to a hose bib rack. From the hose bib rack water is fed through either 1/2 PVC piping or 1/2 inch hose to spray heads and bars mounted at the various fugitive emission points mentioned above at 25-40 psi, depending what is needed to control the emissions. Water is usually obtained from various sources such as on site water supplies, fire hydrant, lakes, ponds or a clients water truck.

In addition, as deemed necessary, plant personnel will dampen uncrushed stockpiles of uncrushed material to control any fugitive emissions generated.

# OPERATING PARAMETERS for SELF-MADE WATER SPRAY BAR / SPRAY HEAD DUST SUPRESSION SYSTEM

Water Pressure to Spray Bars & Spray Heads 20-45 psi @ each head Operation Mode Continuous w/ product

VI. O&M PLAN

## **General Maintenance Intervals**

The crushing unit is checked daily for visible emissions. If any fugitive emissions are seen escaping the crushing plant the source is identified immediately and the problem area is corrected. Fugitive emissions at drop points are controlled by increasing and decreasing the water pressure as needed, from 25-40 psi, at the spray bars/heads.

Inspections of various parts of the Self-Made Water Spray Bar / Spray Head Dust Suppression System are done on a daily basis before startup, during operation and after shut down, as well as complete inspection on a weekly basis. If anything is found broken, not functioning or out of the ordinary it is fixed immediately by trained plant personnel.

# Operations and Maintenance Schedule White Rock Quarries - Portable Bohringer Crushing Unit Portable Crushing Unit w/ Self-made Water Spray Bar Dust Suppression System

Maintenance to be performed:	Daily	Weekly	Monthly	Yearly
Check Crushing Unit and Conveyors for escaping fugitive emissions.	x			
Check spray bars for operation.	х			
Check water piping system for leaks.		х		
Make sure yard & stockpiles are being dampened.	x			
Check all belts and pulleys for wear.			х	
Check water flow through spray nozzles.	x			
Check spray heads for effective operation.	x			
Check entire water spray bar system for wear & deterioration.			x	
Check spray head patterns for effective operation.		х		
Check plant for wear & deterioration.			х	Х
Grease all fittings & bearings.		, X		
Flush and cleanout water spray bar dust supression system.		,	х	
Check screens and brushes for wear.			x	
Check all conveyor belts for wear.		х		_
Check that all spray bars on water truck operating properly.	x			
Check backup water hoses for operation.		х		
Check electrical system of plant.		х		_
Check emergency shut down switches for operation.		×		

# OPERATING PARAMETERS for SELF-MADE WATER SPRAY BAR DUST SUPPRESSION SYSTEM

Water Pressure to Spray Bars & Spray Heads Operation Mode

25-45 psi Continuous w/product

# Maintenance Log

<u>Description of Maintenance Performed:</u>		<u>Date</u>	<u>Initials</u>
	_		
	•		
	•		
	•		
	•		
	•		
	•		
<u> </u>	•		
<u> </u>	•		
	•		
	_		
	•		
	•		
	•		,
-	•		
<del></del>	•		
	-		

# **Spare Parts on Site:**

- 1) Extra spray nozzles
- 2) Hose mending Materials
- 3) Extra Hose Material
- 4) Hose Fittings
- 5) Extra Backup Hoses
- 6) Spare Parts and Spray Heads

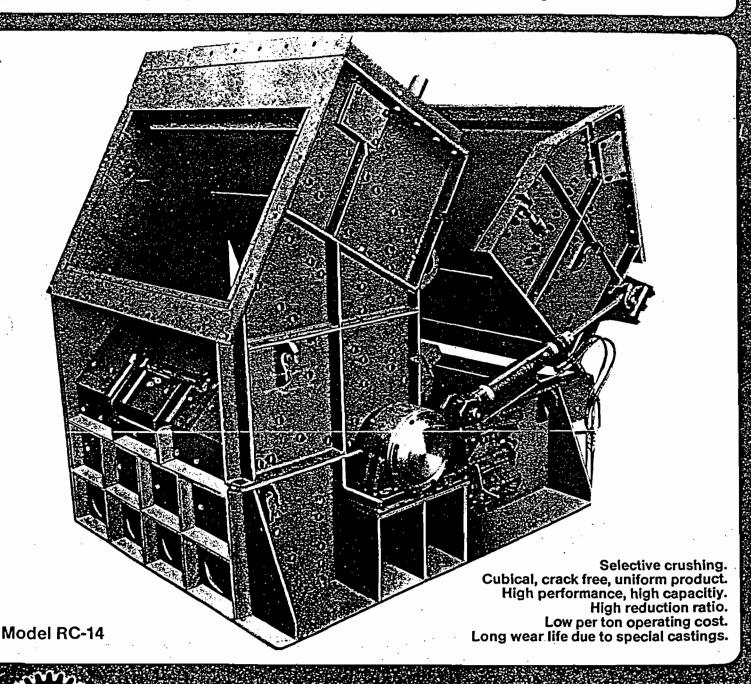
VII. SUPPLEMENTAL INFORMATION



# BOHRINGER

# Impact Crushers - Recycling -

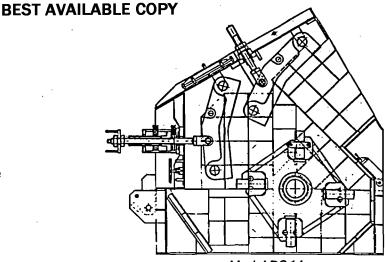
"RC" Series for Asphalt, Concrete with wire mesh/rebar and Building rubble



# Böhringer

## Impact crushers "RC" series

- Recycling -
- Increase your profits
- save energy
- lower your maintenance cost and down-time
- eliminate multi-stage crushing
- conserve raw material resources
- eliminate dumping costs



Model RC 14

	Model	Rotor Dia. (Inch) Width	Feed Opening (Inch)	Capacity (Stph)	Power required (Hp)	Weight approx. (Lbs)
	RC 18	59×70	71 x 47	300-400	300-500	88,700
ĺ	RC 16	49¼×63	64 x 39	275 – 350	250-400	59,200
K	RC 14	49 1/4 x 5515/16	57 x 37	175-275	200-350	41,700
	RC 12	471/4×471/4	48 x 37	150-250	175-300	35,800
	RC 10	43 <sup>5</sup> / <sub>16</sub> ×41 <sup>3</sup> / <sub>8</sub>	42×31	100-175	125-200	29,800
	RC 7	39³/ <sub>8</sub> x27³/ <sub>16</sub>	28×20	50-100	75-125	18,100

Design specifications subject to change without notice. Technical data are approximates and should be used as a guide only. Capacity and power requirements depend on the type and characteristics of the feed material.

With the "RC"-series Boehringer offers a specially developed robust impact crusher for the recycling of asphalt, concrete (with mesh and rebar), building rubble and aggregates. The innovative design features, use of high wear resistant castings and utilization factor of the wear parts make this horizontal shaft, fixed blow bar impactor superior to any crusher of this type available today. Depending on the specific application the machine can be equipped with different interior parts. Access to the machine for inspection and/or maintenance is simplified through hydraulic opening of the upper rear housing section. The heavy duty rotor, the heart of any impact crusher, is equipped with four rows of blow bars made of high wear resistant castings. The two impact aprons are symetric, single plece castings, reversible and interchangeable. Dependent on the application, we also offer aprons with replaceable impact plates. Their

special suspension assures minimum down-time for turning or replacing. Both aprons are gravity hung, adjustable towards the blow bars, to maintain a constant gap and thus assure a uniform product size. Spindle assemblies permit gap adjustment hydraulically on the lower (rear) apron. The crusher housing is lined with bolted, interchangeable wear plates of high wear resistant steel. The machine can be furnished with a tower crane, mounted to the feed hood, to assist with maintenance.

We offer consulting, application egineering of individual machinery and complete plants, such as:

Stationary processing plant

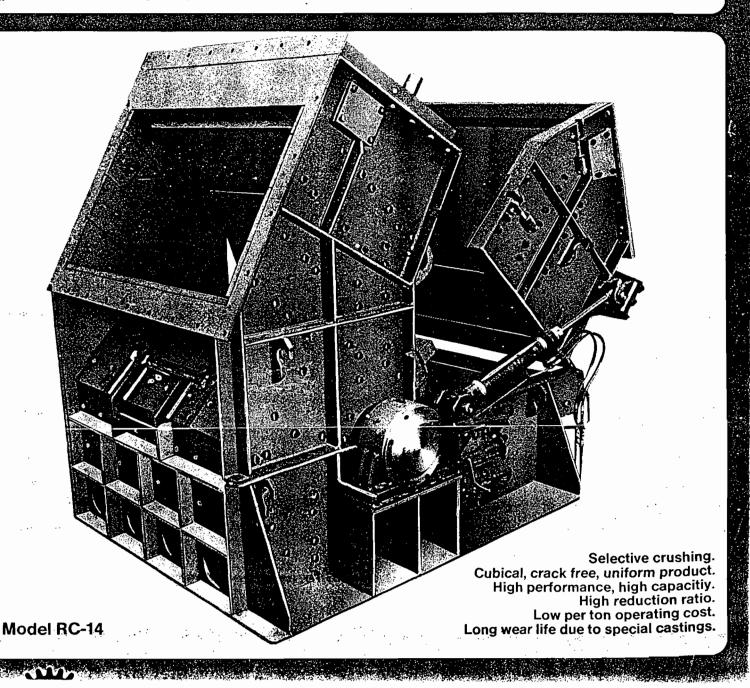
Portable recycling plant

Modular skid mounted plant

# BÖHRINGER

# Impact Crushers - Recycling -

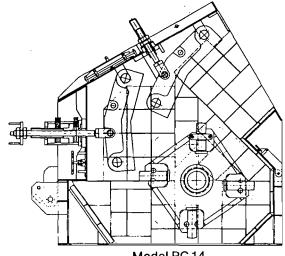
"RC" Series for Asphalt, Concrete with wire mesh/rebar and Building rubble



# BÖHRINGER

## Impact crushers "RC" series

- Recycling -
- increase your profits
- save energy
- lower your maintenance cost and down-time
- eliminate multi-stage crushing
- conserve raw material resources
- eliminate dumping costs



Model RC 14

	Model	Rotor Dia. (Inch) Width	Feed Opening (Inch)	Capacity (Stph)	Power required (Hp)	Weight approx.
-	RC 18	59×70	71 x 47	300-400	300 – 500	88,700
	RC 16	49¼ x 63	64×39	275 – 350	250 – 400	59,200
K	RC 14	49 <sup>1</sup> / <sub>4</sub> x 55 <sup>15</sup> / <sub>16</sub>	57 x 37	175 – 275	200-350	41,700
	RC 12	471/4×471/4	48 x 37	150-250	175 – 300	35,800
	RC 10	43 <sup>5</sup> / <sub>16</sub> x 41 <sup>3</sup> / <sub>8</sub>	42 x 31	100 – 175	125 – 200	29,800
	RC 7	39³/ <sub>8</sub> x 27°/ <sub>16</sub>	28×20	50 – 100	75 – 125	18,100

Design specifications subject to change without notice. Technical data are approximates and should be used as a guide only. Capacity and power requirements depend on the type and characteristics of the feed material.

With the "RC"-series Boehringer offers a specially developed robust impact crusher for the recycling of asphalt, concrete (with mesh and rebar), building rubble and aggregates. The innovative design features, use of high wear resistant castings and utilization factor of the wear parts make this horizontal shaft, fixed blow bar impactor superior to any crusher of this type available today. Depending on the specific application the machine can be equipped with different interior parts. Access to the machine for inspection and/or maintenance is simplified through hydraulic opening of the upper rear housing section. The heavy duty rotor, the heart of any impact crusher, is equipped with four rows of blow bars made of high wear resistant castings. The two impact aprons are symetric, single piece castings, reversible and interchangeable. Dependent on the application, we also offer aprons with replaceable impact plates. Their special suspension assures minimum downtime for turning or replacing. Both aprons are gravity hung, adjustable towards the blow bars, to maintain a constant gap and thus assure a uniform product size. Spindle assemblies permit gap adjustment hydraulically on the lower (rear) apron. The crusher housing is lined with bolted, interchangeable wear plates of high wear resistant steel. The machine can be furnished with a tower crane, mounted to the feed hood, to assist with maintenance.

We offer consulting, application egineering of individual machinery and complete plants, such as:

Stationary processing plant

Portable recycling plant

Modular skid mounted plant

### **BEST AVAILABLE COPY**



cc:

Mr. Dan Sherman, LIMCO

Mr. Jim Teague, LIMCO

QUOTATION

Mr. Jeff Chandler, LIMCO

REFERENCE Linder Proposal #4005,

Revision #1

01 S. Frontage Rd. ant City, Florida 33566 (813) 754-2727

20900 Taft Street Pembroke Pines, Florida 33029 (305) 433-2800

718 North Lane Avenue Jacksonville, Florida 32254 (904) 786-6710

2289 Bruner Lane S.E. Fort Myers, Florida 33912 (813) 481-2403

3950 West Hwy 326 Ocala, Florida 32675 (904) 629-7585 1400 S. Orange Blossom Trail Orlando, Florida 32805 (407) 849-6560

Mr. Jim Thompson TO

S & E Contractors, Inc. 14561 58th Street North Clearwater, Florida

DATE

January 30, 1994

**GENTLEMEN:** 

LINDER INDUSTRIAL MACHINERY COMPANY HEREBY SUBMITS TO YOU THE FOLLOWING QUOTATION ON THE GOODS LISTED BELOW SUBJECT TO ALL THE TERMS PRINTED ON THE REVERSE HEREOF. ALL OF WHICH ARE HEREBY MADE A PART OF ANY AGREEMENT BETWEEN US. THIS QUOTATION IS SUBJECT TO IMMEDIATE ACCEPTANCE AND THE PRICE INCLUDES ONLY THE MATERIAL LISTED BELOW.

EM NO	QUANTITY	ARTICLES AND DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
	1	New Boehringer Model RC-14 Portable Concrete and Asphalt Recycling Plant.		
		Boehringer RC-14 Recycle Crusher:		
		This impact crusher is a horizontal shaft, fixed blow bar impactor especially developed for crushing of concrete and asphalt. Aggregate may also be processed.		
		Feed opening: 37" x 57"		
day	wells	It consists of a lower housing with AR wear plates. The rotor is of solid construction with high WR, equipped with 4 blow bars made from special steel alloy castings that can be reversed and replaced vertically or horizontally. The rotor locks for safe maintenance. The bearings are mounted on shaft with replaceable adapter sleeves. The upper housing is protected with AR wear plates and designed with the rear part hinged, so it can be fully opened hydraulically. Two (2) impact mechanisms gravity hung with adjusting spindles (rear one adjusted hydraulically). Front apron is of single casting reversible. Rear apron fabricated with bolt-on impact plates.	•	
		Feed Hood: of 3/4" thick welded steel reinforced construction with chain and rubber curtain. Feed spout lined 1-1/4".		
		Recirculating Product Spout: 33" feed dia. made of 1/4" thick steel plate.		

This Quotation includes Pages:

ABOVE PRICES ARE F.O.B. Clearwater, Florida Area

Approximately 10 to 12 weeks. SHIPMENT

TERMS See Page 10. Bill Magness

/.sw

#### LINDER INDUSTRIAL MACHINERY COMPANY

1601 S. Frontage Road

Plant City, Florida 33566

2 PAGE:

QUOTATION NO:

4005, Rev. #1 1-30-94

DATE:

ITEM NO	QUANTITY	ARTICLES AND DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
		Discharge Chute: of 3/4" thick welded steel reinforced construction.		
i I		Electric Motor: 300 HP, 460 volt, 3 Ph., 1750 RPM, Service Factor 1.15, WEG electric motor with thermistors.		
<b>,</b> [		Crusher Drive: complete with eight (8) 8V-3000 belts, motor pulley, crusher pulley, motor slide rails, base, guard.	. 00	perd 1
		Crusher Drive: complete with eight (8) 8V-3000 belts, motor pulley, crusher pulley, motor slide rails, base, guard.  Feeder: 57" wide x 20' long vibrating grizzly feeder with 14' long solid deck impact section heavily lined complete with 6' long deck grizzly section with adjustable Scandia 400 AR steel bars.  Feeder Drive: Feeder is driven by a 60 HP. 460	My office.	
l		Feeder Drive: Feeder is driven by a 60 HP, 460 volt, 3 Ph., 60 Hz., eddy current, TEFC electric motor with controller, fixed motor base, complete with v-belts, motor and feeder sheaves.		
		Feed Hopper: 20 tons capacity receiving hopper constructed of 1" thick steel plate with reinforcing. Hopper folds for height clearance. Hopper and feeder can be removed as a single module when highway restrictions prevail.		1,
<b>]</b>		By-Pass Chute: Collecting hopper with flop gate located under grizzly section to contain material passing through grizzly section. Fabricated from 3/8" steel plate and reinforcing. 1/2" liners in areas of wear.	Con to	
		Chassis: Heavy duty 21" deep I-beam trailer frame construction with fishplating in areas of stress. Chassis is complete with access ladder, operator's walkways and platform, handrails, and back plates, king pin.		·
		Under Carriage: Reyco triple axle suspension fitted with twelve (12) wheels and 11:00 x 20, 12 ply tires, air brakes, running and braking lights.		
i I		Blocking Legs: Folding type extending wider than plant for greater stability. Heavy duty with cross bracings. Plant design requires only 10" lift above ground. Four (4) steel blocks removed for transport.		
₽		Lifting Device: Consisting of five (5) hydraulic jacks mounted on trailer frame to elevate and		

### QUOTATION (cont'd.)

## LINDER INDUSTRIAL MACHINERY COMPANY

1601 S. Frontage Road Plant City, Florida 33566

3 PAGE:

QUOTATION NO:

4005, Rev. #1 1-30-94

DATE:

ITEM NO	QUANTITY	ARTICLES AND DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
		level plant. Power unit consists of 35 gallon oil reservoir, pump, 7-1/2 HP motor, solenoid pushbuttons with controls, hoses, etc.	U /	w.
		Boehringer design 48" x 6' long vibrating feeder mounted under crusher to transfer crushed material and rebar steel onto a product discharge conveyor.	100 115 W	Mæ
1	1	New Portable Discharge System with Magnetic Separator: Includes belt protecting gathering hopper with replaceable liners, 48" x 40' channel frame type conveyor, 20° troughing idlers, oil resistant belt, 10' of skirtboard with rubber flashing, 71" track rigid axle with two (2) 10:00		
		x 20, 12 ply tires, lunette eye tongue, heavy gauge tool box, 10 HP, 1800 RPM, TEFC, electric motor drive.	31,147	·
	1	New Dings Model 44CR Continuous Belt Magnet with stainless steel discharge belt, 5 HP, 1800 RPM, TEFC, electric motor drive, and magnet transformer.	a!	
	1	New Superior 36" x 80' Portable Radial Stacking Conveyor.		
		- Main frame 30" deep truss with 3" x 3" x 1/4" chord angles and lattice members of 1-1/2" x 1-1/2" x 3/16" with tapered head and tail sections.		
		<ul> <li>Adjustable height undercarriage, manual raise with pin lock height adjustment.</li> <li>Telescoping axle with single 10:00 x 20 tires with telescoping axle and swiveling wheels.</li> <li>25 HP head end drive Dodge TXT-515 shaft mount reducer, 1800 RPM, TEFC motor, v-belt drive, and drive guard. Drive designed for 600 TPH of</li> </ul>		
I		100#/CF of material at 300 FPM belt speed.  - Drive pulley 16" dia. crown faced, herringbone lagged magnetic drum with cold rolled shaft.  - Tail pulley 14" dia. crown faced, wing type pulley with cold rolled shaft.		
		<ul> <li>Take-Ups screw type with 18" of travel.</li> <li>Belting 2 ply, 1/8" x 1/16" covers, 220 PIW.</li> <li>Belt splice Flexco mechanical steel fasteners.</li> <li>Troughing Idlers - CEMA B, Superior 605 series, 5" dia. rolls, 35° trough, sealed for life ball</li> </ul>		
1		bearings, placed 16" on center under loading area, 4' on center on balance of conveyor.  - Return idlers - CEMA B, Superior 605 series, 5" dia. rolls, sealed for life ball bearings, placed 10' on center.		

## QUOTATION (cont'd.)

### LINDER INDUSTRIAL MACHINERY COMPANY

1601 S. Frontage Road Plant City, Florida 33566

PAGE: 4
QUOTATION NO: 4005, Rev. #1
DATE: 1-30-94

ITEM NO	QUANTITY	ARTICLES AND DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
		- Guarding - Tail pulley shield, v-belt drive guard, pinch points and nip guards on drive pulley.		
		- Paint - Unit to be one (1) coat primer and one (1) coat enamel painted Superior Operate. (1) - Pivot type belt scraper with counterweight		
		tensioning Towing eye for field transport.		
1		- Anchor pivot plate maintains tail end during radial travel.		
		- Backstop for TXT-515 reducer Radial receiving hopper, 5' long with adjust- able rubber flashing.	2	
		- Fifth wheel hitch for road travel.	25,038	
	1	New Superior 24" x 80' Portable Radial Stacking Conveyor.	Picking	Films
1		- Main frame, 24" deep truss with 2-1/2" $\times$ 2-1/2" $\times$ 1/4" chord angles and lattice members of 1-1/2" $\times$ 1-1/2" $\times$ 3/16" with tapered head and		
		tail sections and extra chord angle full length from tail end to head end and under-carriage pinning point.		
_		- Adjustable height under carraige - manual raise with pin lock height adjustment.		
		<ul> <li>Telescoping axle, with single 10:00 x 20 tires</li> <li>with telescoping axle and swiveling wheels.</li> <li>15 HP head end drive, Dodge TXT-415 shaft mount</li> </ul>		
		reducer, 1800 RPM, TEFC motor, v-belt drive, and drive guard. Drive designed for 300 TPH of		
		100#/CF of material at 300 FPM belt speed Drive pulley 16" dia. crowned faced, herring- bone lagged drum with cold rolled shaft.		,
_		- Tail pulley 14" dia. crown faced, wing type pulley with cold rolled shaft.		
		- Take-ups screw type with 18" of travel Belting 2 ply, 1/8" x 1/16" covers, 220 PIW Belt splice Flexco mechanical steel fasteners.		
		- Troughing idlers - CEMA B, Superior 605 series, 5" dia. rolls, 35° trough, sealed for life ball		
		bearings, placed 16" on center under loading area, 4' on center on balance of conveyor.  - Return idlers - CEMA B, Superior 605 series,		
		5" dia. rolls, sealed for life ball bearings, placed 10' on center.		
		- Guarding - Tail pulley shield, v-belt drive guard, pinch points and nip guards on drive pulley.		
•		- Paint - Unit to be one (1) coat primer and one (1) coat finish enamel painted Superior		
		Orange Pivot type belt scraper with counterweight tensioning.		
	1			1 1 1 1 1 1

## QUOTATION (cont'd.)

#### LINDER INDUSTRIAL MACHINERY COMPANY

1601 S. Frontage Road Plant City, Florida 33566 PAGE: 5

QUOTATION NO:

4005, Rev. #1 1-30-94

DATE:

ITEM NO	QUANTITY	ARTICLES AND DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
! !	·	<ul> <li>Towing eye - for field transport.</li> <li>Anchor pivot plate - maintains tail end during radial travel.</li> <li>Backstop - for TXT-415 reducer.</li> <li>Radial receiving hopper, 5' long with adjustable rubber flashing.</li> <li>Fifth wheel hitch, for road travel.</li> </ul>	21,398	·
1	3	<pre>New Superior 24" x 60' Portable Radial Stacking Conveyors Main frame, 24" deep truss with 2-1/2" x 2-1/2" x 1/4" chord angles and lattice members of</pre>		
		<ul> <li>1-1/2" x 1-1/2" x 3/16" with tapered head and tail sections.</li> <li>Adjustable height under carraige - manual raise with pin lock height adjustment.</li> <li>Telescoping axle, with single 10:00 x 20 tires with telescoping axle and swiveling wheels.</li> <li>10 HP head end drive, Dodge TXT-315 shaft mount reducer, 1800 RPM, TEFC motor, v-belt drive, and drive guard. Drive designed for 300 TPH of 100#/CF of material at 300 FPM belt speed.</li> <li>Drive pulley 16" dia. crowned faced, herring-bone lagged drum with cold rolled shaft.</li> <li>Tail pulley 14" dia. crown faced, wing type pulley with cold rolled shaft.</li> <li>Take-ups screw type with 18" of travel.</li> <li>Belting 2 ply, 1/8" x 1/16" covers, 220 PIW.</li> <li>Belt splice Flexco mechanical steel fasteners.</li> <li>Troughing idlers - CEMA B, Superior 605 series, 5" dia. rolls, 35° trough, sealed for life ball</li> </ul>		
]		<ul> <li>bearings, placed 16" on center under loading area, 4' on center on balance of conveyor.</li> <li>Return idlers - CEMA B, Superior 605 series, 5" dia. rolls, sealed for life ball bearings, placed 10' on center.</li> <li>Gathering Hopper, 5' long with adjustable rubber flashing.</li> </ul>		
		<ul> <li>Guarding - Tail pulley shield, v-belt drive guard, pinch points and nip guards on drive pulley.</li> <li>Paint - Unit to be one (1) coat primer and one (1) coat finish enamel painted Superior Orange.</li> <li>Pivot type belt scraper with counterweight tensioning.</li> <li>Towing eye - for field transport.</li> <li>Anchor pivot plate - maintains tail end during radial travel.</li> <li>Backstop - for TXT-315 reducer.</li> </ul>		
		- Radial receiving hopper Fifth wheel hitch, for road travel.	15, 858 al	

# WHITE ROCK QUARRIES - Portable Crushing Unit Total Emissions Produced by Facility

		PM10	PM10	SOx	SOx	СО	СО	NOx	NOx	TOC	TOC
Point	Emission Point Name	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	
	Receiving Hopper / Grizzly	127111	101		·	15/111	tonyi	15/111	tonyi	ID/III	ton/yr
001	Feeder	0.53	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
002	Crusher Discharge Pan	0.53	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
003	Drop Point Cruher Belt to Screener Belt	0.60	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
004	Drop Point Pre-Screener Belt to Vibrating Screening Deck	1.20	1.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
005	Drop Point Vibrating Screener to Screened Material Discharge	1.20	1.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
006	Drop Point Screened Material Discharge Belt to Radial	0.53	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
007	Drop Point - Stacker Belt No.1 to Stacker Belt No.2	1.20	1.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
008	Drop Point from Stacker Belt No.1 or No. 2 to Stockpile	1.20	1.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
009	Caterpillar Diesel Generator	1.07	1.67	1.00	1.56	3.28	5.12	15.21	23.73	1.24	1.93
	TOTALS:	8.06	12.55	1.00	1.56	3.28	5.12	15.21	23.73	1.24	1.93