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BUREAU OF AIR REGULATION

## ANGELO'S RECYCLED MATERIALS, INC.

Reclaimed Aggregate Crushing Plant No. 4 - Tampa

FDEP Operation Permit Application
FDEP ConstructionPermit No. 7775092-001-AC

**April - 2000** 



## **Department of Environmental Protection**

## **Division of Air Resources Management**

## APPLICATION FOR AIR PERMIT - NON-TITLE V SOURCE

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

## I. APPLICATION INFORMATION

<u>Id</u>	entification of Facility		
1.	Facility Owner/Company Name:		
	<b>ANGELO'S RECYCLES</b>	MATERIALS,	INC.
2.	Site Name:		
	ANGELO'S RECYCLED M	IATERIALS, INC.	- RECLAIMED
	CRUSHING UNIT NO. 4		
3.	Facility Identification Number:	[ ] Unkno	own
4.	Facility Location:		,
	Street Address or Other Locator: 12	201 E. –148th Aven	ue
	(3	/4 mile south of Be	arss Avenue)
	City: <b>Tampa</b> Count	y: <b>Hillsborough</b>	Zip Code: <b>33613</b>
5.	Relocatable Facility?	6. Existing Per	mitted Facility?
	[X] Yes [ ] No	[ ] Yes	[X] No
Ap	plication Contact		
1.	Name and Title of Application Cont	act:	
	Mr. Bernard A. Ball, Jr	r., Environmenta	al Engineer
2.	Application Contact Mailing Address Organization/Firm: Central Flor		tories, Inc.
	Street Address: 12625 - 40th St	treet North	
	City: Clearwater	State: Florida	Zip Code: <b>33762</b>
3.	Application Contact Telephone Nun	nbers:	
	Telephone: (727) 572-9797	Fax: (727)	299-0023
<u>A</u> p	plication Processing Information (	DEP Use)	
1.	Date of Receipt of Application:		
2.	Permit Number:		
	·		

DEP Form No. 62-210.900(3) - Form

## **Purpose of Application**

## **Air Operation Permit Application**

Th	is	Application for Air Permit is submitted to obtain: (Check one)
[	]	Initial non-Title V air operation permit for one or more existing, but previously unpermitted, emissions units.
[X	]	Initial non-Title V air operation permit for one or more newly constructed or modified emissions units.
		Current construction permit number: 7775092-001-AC
[	]	Non-Title V air operation permit revision to address one or more newly constructed or modified emissions units.
		Current construction permit number:
		Operation permit number to be revised:
[	]	Initial non-Title V air operation permit under Rule 62-210.300(2)(b), F.A.C., for an existing facility seeking classification as a synthetic non-Title V source.
		Current operation/construction permit number(s):
[	]	Non-Title V air operation permit revision for a synthetic non-Title V source. Give reason for revision; e.g., to address one or more newly constructed or modified emissions units.
		Operation permit number to be revised:
		Reason for revision:
Aiı	r (	Construction Permit Application
Th	is .	Application for Air Permit is submitted to obtain: (Check one)
[	]	Air construction permit to construct or modify one or more emissions units.
[		Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.
[	]	Air construction permit for one or more existing, but unpermitted, emissions units.

#### Owner/Authorized Representative

1. Name and Title of Owner/Authorized Representative:

Mr. Richard A. Bazinet, Director of Florida Operations

2. Owner/Authorized Representative Mailing Address:

Organization/Firm: Angelo's Recycled Materials, Inc.

Street Address: Post Office Box 1493

City: Largo

State: Florida

Zip Code: 33779

3. Owner/Authorized Representative Telephone Numbers:

Telephone: (727) 581-1544

Fax: (727) 586-5676

4. Owner/Authorized Representative Statement:

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

Signature

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

#### **Professional Engineer Certification**

1. Professional Engineer Name: Mr. George C. Sinn, Jr., P.E.

Registration Number: 16911

2. Professional Engineer Mailing Address:

Organization/Firm: Central Florida Testing Laboratories, Inc.

Street Address: 12625 - 40th Street North

City: Clearwater

State: Florida

Zip Code: **33762** 

3. Professional Engineer Telephone Numbers:

Telephone: (727) 572-9797

Fax: (727) 299-0023

DEP Form No. 62-210.900(3) - Form

**Effective: 2/11/99** 

3

#### 4. Professional Engineer Statement:

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

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

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

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

Signature

Date

(seal)

- Attach any exception to certification statement.
- With the exception of manufacturers efficiency and production guarantees.

DEP Form No. 62-210.900(3) - Form

## **Scope of Application**

Emissions		Permit	Processing
Unit ID	Description of Emissions Unit	Туре	Fee
001	Cedarapids Inc Raw Material Receiving Hopper / Vibrating Grizzly Feeder System - used to feed uncrushed material to crusher.	AO2B	\$1000.00
002	Cedarapids, Inc. Model #3054 Jaw Crusher and Discharge Pan – where crushed material exits crushing unit and falls onto conveyor belt	AO2B	
003	Cedarapids Cone Crusher Model RC5411 – used to crush oversize material which does not pass through vibrating screener.	AO2B	
004	Cedarapids Vibrating Screening Deck – used to separate crushed material into a desired size.	AO2B	
005	Magnet Transfer Drop Point – used to separate metal material from recrushed oversize material (drop point ~ 2 feet)	AO2B	
006	Radial Stacker Belt No.1 – drop point were material falls from belt to crushed material stockpile	AO2B	
007	Radial Stacker Belt No.2 – drop point were material falls from belt to crushed material stockpile	AO2B	
008	Emissions from 325 H.P. Caterpillar, Model # 3512 (910kW) Diesel Generator – fired on No.2 virgin diesel fuel – used to power all equipment employed by this crushing - aggregate processing unit.	AO2B	
009	Fugitive emissions from paved and unpaved roads.		
010	Fugitives from on site storage piles		

DEP Form No. 62-210.900(3) - Form

## **Application Processing Fee**

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

\*\* Generator Emissions Exempt from Permitting Fees per FDEP

DEP Form No. 62-210.900(3) - Form

#### Construction/Modification Information

1. Description of Proposed Project or Alterations:

This project consists of a State Wide Operation Permit application for a portable Cedarapids, Inc. Aggregate Crushing & Processing Plant owned and operated by Angelo's Recycled Materials, Inc. This crushing will serve the sole purpose of crushing and processing and reclaimed asphalt concrete that is recycled from the road, buildings, etc. and will be reused in the building or construction industry. This crushing unit has the capability of being portable and will travel from site to site "statewide". The Crushing Unit is referred to as "Reclaimed Crushing Unit No.4" is now located and sitting stationary, south of Bearss Avenue at the intersection of 148th Avenue and 12th Street in Tampa, Hillsborough County, Florida. This unit is powered by a 325 H.P. Caterpillar Diesel Generator fired on Virgin No.2 fuel oil with a maximum sulfur limit of 0.5% by weight.

Stockpiles and Roadways at this facility are watered on a regular basis by a sprinkler system and a 5 mph speed limit is enforced as to control any fugitive emissions that may be generated by vehicular traffic or prevailing winds.

This facility is a natural non-Title V facility and will comply with all FDEP Rules and Regulations.

- 2. Projected or Actual Date of Commencement of Construction: NA (existing source)
- 3. Projected Date of Completion of Construction: NA (already constructed)

DEP Form No. 62-210.900(3) - Form

#### **Application Comment**

This project consists of a State Wide Operation Permit application for a portable Cedarapids, Inc. Aggregate Crushing & Processing Plant owned and operated by Angelo's Recycled Materials, Inc. This crushing will serve the sole purpose of crushing and processing and reclaimed asphalt concrete that is recycled from the road, buildings, etc. and will be reused in the building or construction industry. This crushing unit has the capability of being portable and will travel from site to site "statewide". The Crushing Unit is referred to as "Reclaimed Crushing Unit No.4" is now located and sitting stationary, south of Bearss Avenue at the intersection of 148th Avenue and 12th Street in Tampa, Hillsborough County, Florida. This unit is powered by a 325 H.P. Caterpillar Diesel Generator fired on Virgin No.2 fuel oil with a maximum sulfur limit of 0.5% by weight.

Stockpiles and Roadways at this facility are watered on a regular basis by a sprinkler system and a 5 mph speed limit is enforced as to control any fugitive emissions that may be generated by vehicular traffic or prevailing winds.

This facility is a natural non-Title V facility and will comply with all FDEP Rules and Regulations.

DEP Form No. 62-210.900(3) - Form

#### II. FACILITY INFORMATION

#### A. GENERAL FACILITY INFORMATION

#### Facility Location and Type

1.	Facility UTM Coordinates: (Portable Unit – Location at present time)					
	Zone: 17	East (km	): <b>357.8</b>	North (km): 3107.2		
2.	Facility Latitude/Lo					
	Latitude (DD/MM/SS): 28°05'40" N		Longitude (DD/MM/SS): 82°26'50" W			
3.	Governmental	4. Facility Status	5. Facility Major	6. Facility SIC(s):		
	Facility Code:	Code:	Group SIC Cod	le:		
	0	ACTIVE	14	1422		

7. Facility Comment (limit to 500 characters):

This project consists of a State Wide Operation Permit application for a portable Cedarapids, Inc. Aggregate Crushing & Processing Plant owned and operated by Angelo's Recycled Materials, Inc. This crushing will serve the sole purpose of crushing and processing and reclaimed asphalt concrete that is recycled from the road, buildings, etc. and will be reused in the building or construction industry. This crushing unit has the capability of being portable and will travel from site to site "statewide". The Crushing Unit is referred to as "Reclaimed Crushing Unit No.4" is now located and sitting stationary, south of Bearss Avenue at the intersection of 148th Avenue and 12th Street in Tampa, Hillsborough County, Florida. This unit is powered by a 325 H.P. Caterpillar Diesel Generator fired on Virgin No.2 fuel oil with a maximum sulfur limit of 0.5% by weight.

Stockpiles and Roadways at this facility are watered on a regular basis by a sprinkler system and a 5 mph speed limit is enforced as to control any fugitive emissions that may be generated by vehicular traffic or prevailing winds.

This facility is a natural non-Title V facility and will comply with all FDEP Rules and Regulations.

#### **Facility Contact**

9

DEP Form No. 62-210.900(3) - Form

## **Facility Regulatory Classifications**

## Check all that apply:

1.	[ ] Small Business Stationary Source? [X ] Unknown
2.	[X ] Synthetic Non-Title V Source?
3.	[X ] Synthetic Minor Source of Pollutants Other than HAPs?
4.	[X ] Synthetic Minor Source of HAPs?
5.	[X ] One or More Emissions Units Subject to NSPS?
6.	[ ] One or More Emission Units Subject to NESHAP Recordkeeping or Reporting?
7.	Facility Regulatory Classifications Comment (limit to 200 characters):
	Natural Non-Title V Source

## **Rule Applicability Analysis**

This facility is subject to the rules and provisions of 40 CFR 60, subpart 000.

## **B. FACILITY POLLUTANTS**

## **List of Pollutants Emitted**

1. Pollutant		3. Requested E	missions Cap	4. Basis for	5. Pollutant
Emitted	Classif.			Emissions	Comment
		lb/hour	tons/year	Сар	100/
DM10	CM	NT A	NY A	DUE	<10% opacity from
PM10	SM	NA	NA	RULE	drop points, storage Piles, <15% from
PM	SM	NA	NA	RULE	crusher
					Emissions from
SO2	SM	NA	NA	RULE	diesel generator
		<u> </u>			Subject to opacity
NOx	SM	NA	NA	RULE	limitations only
	~~-	<b></b>	27.4	*****	FAC 62-296.310
СО	SM	NA	NA	RULE	
тос	SM	NA	NA	RULE	
		<del>-</del>			
			-		

DEP Form No. 62-210.900(3) - Form

## C. FACILITY SUPPLEMENTAL INFORMATION

## **Supplemental Requirements**

1.	Area Map Showing Facility Location:
	[X] Attached, Document ID:I [ ] Not Applicable [ ] Waiver Requested
_	P. W. Div Di
2.	Facility Plot Plan:
	[X] Attached, Document ID: II [ ] Not Applicable [ ] Waiver Requested
3	Process Flow Diagram(s):
٥.	[X] Attached, Document ID:III_ [ ] Not Applicable [ ] Waiver Requested
	[A ] Attached, Document IDIII_ [ ] Not Applicable [ ] Walver Requested
4.	Precautions to Prevent Emissions of Unconfined Particulate Matter:
	[ ] Attached, Document ID: [*X] Not Applicable [ ] Waiver Requested
On	file at FDEP's Office
5.	Supplemental Information for Construction Permit Application:
	[ ] Attached, Document ID: [X ] Not Applicable
On	file at FDEP's Office
6.	Supplemental Requirements Comment:
	·

12

EMISSIONS ID. NO. 001

200 TPH Cedarapids - Grizzly Feeder

<b>Emissions Unit Information Section</b>	1_	of _	_10
Receiving Hopper - Vibrating Grizz	ly Fe	eder	

#### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

#### A. GENERAL EMISSIONS UNIT INFORMATION

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

	<del> </del>	<del></del>		
1.	Type of Emissions Unit Ad	dressed in This Section: (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).			
[	process or production uni	rmation Section addresses, as a s ts and activities which has at leas so produce fugitive emissions.		
[X	_	rmation Section addresses, as a s ts and activities which produce f	ingle emissions unit, one or more agitive emissions only.	
		nit Addressed in This Section (li		
	<del>-</del>	rial Recieving Hopper / Vibrati	ng Grizzly Feeder System –	
us	ed to feed uncrushed mater	ial to crusher.		
3.	Emissions Unit Identification	on Number:	[ ] No ID	
	ID: <b>001</b>		[ ] ID Unknown	
3.	Emissions Unit Status	4. Initial Startup Date:	5. Emissions Unit Major	
	Code:	_	Group SIC Code:	
	ACTIVE	UNKNOWN	14	
6.	Emissions Unit Comment:	(Limit to 500 Characters):		
6.	Emissions Unit Comment:	(Limit to 500 Characters):		
6.	THIS AGGREGATE PRO	OCESSING UNIT WILL CRU	SH AND SCREEN ASPHALT	
6.	THIS AGGREGATE PROONLY, THEREFORE	OCESSING UNIT WILL CRU EMISSIONS WILL BE NI	L TO NONE FROM THIS	
6.	THIS AGGREGATE PROONLY, THEREFORE EMISSIONS UNIT. SHO	OCESSING UNIT WILL CRU EMISSIONS WILL BE NI ULD ANY OCCUR THE MA		
6.	THIS AGGREGATE PROONLY, THEREFORE EMISSIONS UNIT. SHO	OCESSING UNIT WILL CRU EMISSIONS WILL BE NI	L TO NONE FROM THIS	
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6.	THIS AGGREGATE PROONLY, THEREFORE EMISSIONS UNIT. SHO	OCESSING UNIT WILL CRU EMISSIONS WILL BE NI ULD ANY OCCUR THE MA	L TO NONE FROM THIS	

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section 1 of 10 Receiving Hopper - Vibrating Grizzly Feeder **Emissions Unit Control Equipment** 

1. Control Equipment/Method Description (limit to 200 characters per device or method):

ANY EMISSIONS THAT MAY BE GENERATED BY DUMPING OF UNCRUSHED MATERIAL INTO RECEIVING HOPPER AND VIBRATION OF MATERIAL BY GRIZZLY FEEDER INTO CRUSHER ARE CONTROLLED AT THIS FACILITY BY DAMPENING MATERIAL AS NEEDED AS TO CONTROL GENERATION OF **FUGITIVES** 

Control Device or Method Code(s): 061,099

#### **Emissions Unit Details**

1.	1. Package Unit: RAW MATERIAL RECEIVING HOPPER / VIBRATING GRIZZLY				
FE	FEEDER SYSTEM				
	Manufacturer: CEDARAPIDS	Model Number: NA			
2.	Generator Nameplate Rating:	MW			
3.	Incinerator Information:				
	Dwell Temperature:		°F		
	Dwell Time:		seconds		
	Incinerator Afterburner Temperature:		°F		

#### **Emissions Unit Operating Capacity and Schedule**

Maximum Heat Input Rate:		mmBtu/hr
2. Maximum Incineration Rate:	lb/hr	tons/day
3. Maximum Process or Throughput Rate:	200 TPH AS R	AW (UNCRUSHED)
RECLAIMED ASPHALT OR CONCRE	TE	
4. Maximum Production Rate: 200 TPH A	S RECLAIMED (	CRUSHED AND SCREENED
ASPHALT (RAP) OR CONCRETE		
5. Requested Maximum Operating Schedu	le:	
<b>10</b> hou	ırs/day	6 days/week
<b>52</b> we	eks/year	3120 hours/year
7 Operating Capacity/Schedule Comment	(limit to 200 charac	ters).

7. Operating Capacity/Schedule Comment (limit to 200 characters):

Dampened, uncrushed reclaimed asphalt material is fed into the material receiving hopper and grizzly feeder of the plant where any fugitive emissions generated are controlled by water spray heads mounted in the receiving hopper which sprays the material before it enters the grizzly feeder and crusher.

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section \_\_1\_\_ of \_\_10\_\_ Receiving Hopper – Vibrating Grizzly Feeder B. EMISSION POINT (STACK/VENT) INFORMATION

## **Emission Point Description and Type**

1.	Identification of Point on Plot Plan or		2. Emission Po	oint Type Code:		
	Flow Diagram? 001 (Grizz	ly Feeder)	. 4			
3.	Descriptions of Emission P 100 characters per point): NONE	oints Comprising	g this Emissions V	Unit for VE Tracking	(limit to	
3.	ID Numbers or Description NONE	s of Emission Ui	nits with this Emi	ssion Point in Commo	on:	
4.	Discharge Type Code:	6. Stack Heigh	ht:	7. Exit Diameter:	-	
	F	3	feet		feet	
8.	Exit Temperature:	9. Actual Vol	umetric Flow	10. Water Vapor:		
	°F	Rate:			%	
			acfm			
11.	Maximum Dry Standard Flo	ow Rate: dscfm	12. Nonstack Er	nission Point Height: ~15 FEET		
13.	Emission Point UTM Coord	linates: (Relocat	able source figu	res below are locatio	n now)	
		ast (km): 357.8		h (km): 3107.2		
14.	Emission Point Comment (	imit to 200 chara	acters):			
	EMISSIONS POINT WILL BE FUGITIVE IF ANY EMISSIONS GENERATED AT ALL					

15

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section 1 of \_\_10\_\_\_ Receiving Hopper – Vibrating Grizzly Feeder C. SEGMENT (PROCESS/FUEL) INFORMATION Segment Description and Rate: Segment \_\_\_\_\_ of \_\_\_\_ 1. Segment Description (Process/Fuel Type) (limit to 500 characters): Cedarapids Inc. – Raw Material Recieving Hopper / Vibrating Grizzly Feeder System – used to feed uncrushed material to crusher. 2. Source Classification Code (SCC): 3. SCC Units: TONS OF PRODUCT PROCESSED 30502511 5. Maximum Annual Rate: 6. Estimated Annual Activity 4. Maximum Hourly Rate: 624,000 ton Factor: 200 tph 9. Million Btu per SCC Unit: 7. Maximum % Sulfur: 8. Maximum % Ash: NA 10. Segment Comment (limit to 200 characters): Segment Description and Rate: Segment of 1. Segment Description (Process/Fuel Type) (limit to 500 characters): 3. SCC Units: 2. Source Classification Code (SCC): 4. Maximum Hourly Rate: 5. Maximum Annual Rate: 6. Estimated Annual Activity Factor: 7. Maximum % Sulfur: 8. Maximum % Ash: 9. Million Btu per SCC Unit: 10. Segment Comment (limit to 200 characters):

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section1 of10				
Pollutant Detail Information	n Page1	of1		
D 714766101	~ * * * * * * * * * * * * * * * * * * *	T 4 3 100 T 5 100 4 T T		<b></b> .
D. EMISSION	S UNIT POLLU	TANT DETAIL	LINFORMATIO	IN
Potential Emissions		-		
1. Pollutant Emitted: PM, PI	M10 2	. Pollutant Reg	ulatory Code: WF	-
3. Primary Control Device Code: <b>061</b>	4. Secondary C Code: <b>099</b>	ontrol Device	5. Total Percent of Control: 8	•
6. Potential Emissions: PM			7. Synthetically	Limited?
··	= 0.88  lb/hr  & 1	.36 ton/hr	[X]	
8. Emission Factor: 0.0021 ll	b/ton		8. Emissions M	ethod Code:
Reference: AP-42			3	
10. Calculation of Emissions	(limit to 600 chara	cters):		
PM10 = (200 lb/ton)(0.0021 lpm10 <sub>yearly</sub> [(200 lb/hr)(3120 lpm = [(200 lb/ton)(0.0021 lbm10 <sub>yearly</sub> [(200 lb/hr)(3120 lpm10 <sub>yearly</sub> [(200 lb/hr)(3120 lpm10 <sub>yearly</sub> [(200 lb/hr)(3120 lpm10 <sub>yearly</sub> [(200 lpm1	hr/yr)(0.0021 lb/t /ton)] (2.1) = 0.88 hr/yr)(0.0021 lb/t	on)] / 2000 lb/to 3 lb/hr on)] / 2000 lb/to	on (2.1) = 1.36 to	n/yr
11. Pollutant Potential Emissi	•		-	
Raw Material Receiving Hop	pper / Grizzly Fe	eder – subject t	o 40 CFR 60, sui	spart ooo
rules and regulations.				
Allowable Emissions Allows	able Emissions	of		
1. Basis for Allowable Emiss 40 CFR 60, subpart 000	sions Code:	t	fective Date of All :: Initial Complia	
3. Requested Allowable Emi	ssions and Units:	4. Equivalen	t Allowable Emis	sions:
< 10 % Opacity			lb/hour	tons/year
5. Method of Compliance (li Initial and Annual EPA	Method 9 Compl	iance Testing		
6. Allowable Emissions Con	nment (Desc. of O	perating Method	I) (limit to 200 ch	aracters):

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section1_ Cedarapids Raw material Grizzly Feeder F VISIBLE EMIS	of10 SIONS INFORMATION
	Subject to a VE Limitation)
Visible Emissions Limitation: Visible Emis	•
1. Visible Emissions Subtype: VE	Basis for Allowable Opacity:     [X] Rule     [ ] Other
Requested Allowable Opacity:     Normal Conditions: <10% Exception     Maximum Period of Excess Opacity Allow	
4. Method of Compliance: Initial and Annu	al Visible Emissions Compliance Testing.
	ONITOR INFORMATION
Continuous Monitoring System: Continuou	s Monitor of
1. Parameter Code: NONE	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 20	00 characters):

18

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section \_\_1\_\_ of \_\_\_10\_\_
Cedarapids Raw material Grizzly Feeder
G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

## **Supplemental Requirements**

1	Dracess Flow Discours
1.	Process Flow Diagram  [W. J. Attached December 11]
	[X] Attached, Document ID:III[] Not Applicable [] Waiver Requested
2	Fuel Analysis or Specification
۷.	
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
3	Detailed Description of Control Equipment
٥.	[ ] Attached, Document ID: [ ] Not Applicable [ ] Waiver Requested
0	file at FDEP's Office
On.	jue ui TDEI 3 Ojjue
4.	Description of Stack Sampling Facilities
	[ ] Attached, Document ID: [X] Not Applicable [ ] Waiver Requested
5.	Compliance Test Report
	[X ] Attached, Document ID:
	[X ] Previously submitted, Date: 3/2000
	[ ] Not Applicable
6.	Procedures for Startup and Shutdown
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
7.	Operation and Maintenance Plan
	[ ] Attached, Document ID: [X] Not Applicable [ ] Waiver Requested
On	file @ FDEP's Office
0	
δ.	Supplemental Information for Construction Permit Application
_	[ ] Attached, Document ID: [X ] Not Applicable
On	file at FDEP's Office
9.	Other Information Required by Rule or Statute
	[ ] Attached, Document ID: [X] Not Applicable
10.	Supplemental Requirements Comment:

DEP Form No. 62-210.900(3) - Form

EMISSIONS ID. NO. 002

Cedarapids Model 3054 Jaw Crusher

<b>Emissions Unit Information Section</b>	_2	of_	_10_	
Cedarapids Model 3054 Jaw Crusher	r			

#### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

#### A. GENERAL EMISSIONS UNIT INFORMATION

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

1.	Type of Emissions Unit Ad	dressed in This Section: (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).			
[	process or production uni	rmation Section addresses, as a si ts and activities which has at leas so produce fugitive emissions.		
[X		rmation Section addresses, as a si ts and activities which produce fu		
Ce	9. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Cedarapids, Inc. Model #3054 Jaw Crusher and Discharge Pan – where crushed material exits crushing unit and falls onto conveyor belt.			
3.	Emissions Unit Identification ID: <b>002</b>	on Number:	[ ] No ID [ ] ID Unknown	
10.	Emissions Unit Status Code: ACTIVE	11. Initial Startup Date: UNKNOWN	12. Emissions Unit Major Group SIC Code: 14	
13.	RECLAIMED ASPHAL' NONE FROM THIS EM	PROCESSING UNIT WILI ΓONLY, THEREFORE EMI	SSIONS WILL BE NIL TO Y OCCUR THE MATERIAL	

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section \_\_2\_\_ of \_\_10\_\_ Cedarapids Model 3054 Jaw Crusher Emissions Unit Control Equipment

6. Control Equipment/Method Description (limit to 200 characters per device or method):

ANY EMISSIONS THAT MAY BE GENERATED BY CRUSHING AND DISCHARGING OF UNCRUSHED MATERIAL ONTO DISCHARGE PAN AND CONVEYOR BELT INTO CRUSHER ARE CONTROLLED AT THIS FACILITY BY DAMPENING MATERIAL AS NEEDED AS TO CONTROL GENERATION OF FUGITIVES

2. Control Device or Method Code(s): 061,099

#### **Emissions Unit Details**

1.	1. Package Unit: CRUSHER / DISCHARGE PAN		
	Manufacturer: CEDARAPIDS	Model Number: 3054	
2.	Generator Nameplate Rating:	MW	
3.	Incinerator Information:		
	Dwell Temperature:		°F
	Dwell Time:		seconds
	Incinerator Afterburner Temperature:		°F

## **Emissions Unit Operating Capacity and Schedule**

1.	Maximum Heat Input Rate:		mmBtu/hr
2.	Maximum Incineration Rate:	lb/hr	tons/day
3.	Maximum Process or Throughput Rate:	200 TPH AS R	AW (UNCRUSHED)
RI	ECLAIMED ASPHALT OR CONCRE	ГЕ	
4.	Maximum Production Rate: 200 TPH A	S RECLAIMED (	CRUSHED AND SCREENED
AS	SPHALT (RAP) OR CONCRETE		
5.	Requested Maximum Operating Schedul	e:	-
	<b>10</b> hou	rs/day	6 days/week
	52 wee	eks/year	3120 hours/year
14	. Operating Capacity/Schedule Comment	(limit to 200 charac	eters):

Dampened, uncrushed reclaimed asphalt material is fed into the crusher from the receiving hopper and grizzly feeder of the plant where it is crushed and discharged to the discharge pan where it fall onto a conveyor belt. Any fugitive emissions generated are controlled by dampening of the material before it enters the grizzly feeder and crusher as needed.

DEP Form No. 62-210.900(3) - Form

# Emissions Unit Information Section 2 of 10 Cedarapids Model 3054 Jaw Crusher

## **B. EMISSION POINT (STACK/VENT) INFORMATION**

## **Emission Point Description and Type**

Solution	1. Identification of Point o		7. Emission Po	oint Type Code:	
100 characters per point): NONE  8. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NONE  9. Discharge Type Code:	Flow Diagram? 002 (Co	ne Crusher)	4		
9. Discharge Type Code: F  6. Stack Height: F  9. Actual Volumetric Flow Rate: 9. Actual Volum	100 characters per point	•	g this Emissions	Unit for VE Tracking	(limit to
F feet  8. Exit Temperature: 9. Actual Volumetric Flow Rate: 4 cfm  11. Maximum Dry Standard Flow Rate: 4 dscfm  12. Nonstack Emission Point Height: 7 FEET  13. Emission Point UTM Coordinates: (Relocatable unit figures below are location now) 2 Zone: 17 East (km): 357.8 North (km): 3107.2  14. Emission Point Comment (limit to 200 characters):  EMISSIONS POINT WILL BE FUGITIVE IF ANY EMISSIONS GENERATED AT	=	ions of Emission U	nits with this Em	ission Point in Commo	on:
8. Exit Temperature:  °F  Rate:  °F  Rate:  11. Maximum Dry Standard Flow Rate:  dscfm  12. Nonstack Emission Point Height:  ~7 FEET  13. Emission Point UTM Coordinates: (Relocatable unit figures below are location now)  Zone: 17  East (km): 357.8  North (km): 3107.2  14. Emission Point Comment (limit to 200 characters):  EMISSIONS POINT WILL BE FUGITIVE IF ANY EMISSIONS GENERATED AT	9. Discharge Type Code:	6. Stack Heig	ht:	7. Exit Diameter:	
Property of the property of th	F		feet		feet
Property of the property of th	8. Exit Temperature:	9. Actual Vol	umetric Flow	10. Water Vapor:	
11. Maximum Dry Standard Flow Rate: dscfm  12. Nonstack Emission Point Height: ~7 FEET  13. Emission Point UTM Coordinates: (Relocatable unit figures below are location now) Zone: 17  East (km): 357.8  North (km): 3107.2  14. Emission Point Comment (limit to 200 characters):  EMISSIONS POINT WILL BE FUGITIVE IF ANY EMISSIONS GENERATED AT	-	Rate:			%
dscfm ~7 FEET  13. Emission Point UTM Coordinates: (Relocatable unit figures below are location now)  Zone: 17 East (km): 357.8 North (km): 3107.2  14. Emission Point Comment (limit to 200 characters):  EMISSIONS POINT WILL BE FUGITIVE IF ANY EMISSIONS GENERATED AT					
Zone: 17 East (km): 357.8 North (km): 3107.2  14. Emission Point Comment (limit to 200 characters):  EMISSIONS POINT WILL BE FUGITIVE IF ANY EMISSIONS GENERATED AT	11. Maximum Dry Standard		12. Nonstack E	-	
14. Emission Point Comment (limit to 200 characters):  EMISSIONS POINT WILL BE FUGITIVE IF ANY EMISSIONS GENERATED AT	13. Emission Point UTM Co	ordinates: (Reloca	table unit figure	s below are location	now)
EMISSIONS POINT WILL BE FUGITIVE IF ANY EMISSIONS GENERATED AT	Zone: 17	East (km): 357.8	Nort	h (km): 3107.2	
•	14. Emission Point Commer	nt (limit to 200 char	acters):		
		L BE FUGITIVE	IF ANY EMISS	SIONS GENERATEI	) AT

Emissions Unit Information Section \_\_2\_\_ of \_\_10\_\_ Cedarapids Model 3054 Jaw Crusher C. SEGMENT (PROCESS/FIJEL) INFORMATION

C. SEGMENT (PROCESS/FUEL) INFORMATION Segment Description and Rate: Segment \_\_\_\_\_ of \_\_\_\_ 1. Segment Description (Process/Fuel Type) (limit to 500 characters): Cedarapids, Inc. – Portable Impact Crushing Unit Model 3054 – Crusher Discharge Pan/Belt. (Material Handling - Emissions related to dropping material out of crusher onto belt.) 3. Source Classification Code (SCC): 3. SCC Units: TONS OF PRODUCT PROCESSED 30502511 4. Maximum Hourly Rate: 10. Maximum Annual Rate: 6. Estimated Annual Activity 624,000 ton Factor: 200 tph 7. Maximum % Sulfur: 8. Maximum % Ash: 9. Million Btu per SCC Unit: NA 10. Segment Comment (limit to 200 characters): Segment Description and Rate: Segment of 1. Segment Description (Process/Fuel Type) (limit to 500 characters): 3. SCC Units: 2. Source Classification Code (SCC): 4. Maximum Hourly Rate: 5. Maximum Annual Rate: 6. Estimated Annual Activity Factor: 7. Maximum % Sulfur: 9. Million Btu per SCC Unit: 8. Maximum % Ash: 10. Segment Comment (limit to 200 characters):

23

DEP Form No. 62-210.900(3) - Form

<b>Emissions Unit Information Section</b>	ı2	of_	10_	
Pollutant Detail Information Page	1_	of_	_1	

## D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

## **Potential Emissions**

Potential Emissions	,			
1. Pollutant Emitted: PM, PM10 2. Pollutant Regulatory Code: WP				
1	ndary Control Device	5. Total Percent Efficiency		
	: 099	of Control: 80%		
6. Potential Emissions: PM10 = 0.42 l		7. Synthetically Limited?		
	/hr & 1.39 ton/hr	[X]		
8. Emission Factor: 0.0021 lb/ton		15. Emissions Method Code:		
Reference: AP-42 (Table 11.19.2-2 controlled) and		3		
footnote © for PM Emissions	·	·· 、 -		
10. Calculation of Emissions (limit to 60	00 characters):			
,	,			
PM10 = (200 lb/ton)(0.0021 lb/ton) = 0	).42 lb/hr			
PM10 <sub>yearly</sub> [(200 lb/hr)(3120 hr/yr)(0.00	021 lb/ton)] / 2000 lb/t	on = 0.66  ton/yr		
PM = [(200 lb/ton)(0.0021 lb/ton)] (2.1)	) = 0.88 lb/hr			
DM10 (/200 lb/b=)/3120 b=//=)/0.00	021 Ib/ton)] / 2000 Ib/t	on $(2.1) = 1.29 ton/vn$		
$PM10_{yearty}$ [(200 lb/hr)(3120 hr/yr)(0.0021 lb/ton)] / 2000 lb/ton (2.1) = 1.39 ton/yr				
11. Pollutant Potential Emissions Comment (limit to 200 characters):				
Crusher and Discharge Pan – subject to 40 CFR 60, subpart 000 rules and regulations.				
<u>Allowable Emissions</u> Allowable Emiss	ions of			
1. Basis for Allowable Emissions Code	: 2. Future Eff	fective Date of Allowable		
40 CFR 60, subpart 000		: Initial Compliance Test		
3. Requested Allowable Emissions and	Units:   4. Equivalen	t Allowable Emissions:		
< 15 % Opacity		lb/hour tons/year		
5. Method of Compliance (limit to 60 c	haracters):			
Initial and Annual EPA Method 9	Compliance Testing			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):				

24

DEP Form No. 62-210.900(3) - Form

# Emissions Unit Information Section \_\_2\_\_\_ of \_\_\_10\_\_\_ Cedarapids Model 3054 Impact Crusher E. VISIBLE EMISSIONS INFORMATION (Only Emissions Units Subject to a VE Limitation)

(Only Emissions Units S	Subject to a VE Limitation)
Visible Emissions Limitation: Visible Emissi	ions Limitation of
1. Visible Emissions Subtype: VE	2. Basis for Allowable Opacity:
	[X] Rule [ ] Other
3. Requested Allowable Opacity:	
-	al Conditions: <15%
Maximum Period of Excess Opacity Allowe	ed: 0 min/hour
4. Method of Compliance: Initial and Annua	l Visible Emissions Compliance Testing.
-	
5. Visible Emissions Comment (limit to 200 c	haracters):
	NITOR INFORMATION
(Only Emissions Units Subj	ect to Continuous Monitoring)
Continuous Monitoring System: Continuous	Monitor of
1. Parameter Code:	2. Pollutant(s):
NONE	
3. CMS Requirement:	[ ] Rule [ ] Other
4. Monitor Information:	
Manufacturer:	g ! 137 . 1
Model Number:	Serial Number:
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200	characters):
,	•

DEP Form No. 62-210.900(3) - Form

# Emissions Unit Information Section \_\_2\_\_\_ of \_\_\_10\_\_\_ Cedarapids Model 3054 Impact Crusher G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

## **Supplemental Requirements**

1. Process Flow Diagram
[X ] Attached, Document ID:III [ ] Not Applicable [ ] Waiver Requested
2. Fuel Analysis or Specification
[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
3. Detailed Description of Control Equipment
[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
On file at FDEP's Office
4. Description of Stack Sampling Facilities
[ ] Attached, Document ID:[X ] Not Applicable [ ] Waiver Requested
5. Compliance Test Report
[X ] Attached, Document ID:IV
[X ] Previously submitted, Date: <u>03/2000</u>
[ ] Not Applicable
6. Procedures for Startup and Shutdown
[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
7. Operation and Maintenance Plan
[] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
On file at FDEP's Office
8. Supplemental Information for Construction Permit Application
[ ] Attached, Document ID: [ ] Not Applicable
On file at FDEP's Office
9. Other Information Required by Rule or Statute
[ ] Attached, Document ID: [X ] Not Applicable
10. Supplemental Requirements Comment:

DEP Form No. 62-210.900(3) - Form

EMISSIONS ID. NO. 003

Cedarapids Cone Crusher Model RC5411

## Emissions Unit Information Section \_\_3\_\_ of \_\_10\_\_ Cedarapids Model RC5411 Cone Crusher III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

#### A. GENERAL EMISSIONS UNIT INFORMATION

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

1. Type of Emissions Unit Addressed in This Section: (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).				
process or production unit	mation Section addresses, as a sits and activities which has at leass produce fugitive emissions.			
	mation Section addresses, as a size and activities which produce fu	ngle emissions unit, one or more agitive emissions only.		
16. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Cedarapids, Inc. Model #RC5411 Cone Crusher and Discharge Pan – where oversize material is crushed and crushed material exits crushing unit and falls onto conveyor belt.				
3. Emissions Unit Identification ID: 003	n Number:	[ ] No ID [ ] ID Unknown		
17. Emissions Unit Status Code: ACTIVE	18. Initial Startup Date: UNKNOWN	19. Emissions Unit Major Group SIC Code: 14		
20. Emissions Unit Comment: ( THIS AGGREGATE I RECLAIMED ASPHALT	PROCESSING UNIT WILI			

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section \_\_3\_\_\_ of \_\_10\_\_\_ Cedarapids Model RC5411 Cone Crusher Emissions Unit Control Equipment

11. Control Equipment/Method Description (limit to 200 characters per device or method):

ANY EMISSIONS THAT MAY BE GENERATED BY CRUSHING AND DISCHARGING OF UNCRUSHED MATERIAL ONTO DISCHARGE PAN OF CONE CRUSHING SYSTEM AND CONVEYOR BELT INTO CRUSHER ARE CONTROLLED AT THIS FACILITY BY DAMPENING MATERIAL AS NEEDED AS TO CONTROL GENERATION OF FUGITIVES

2. Control Device or Method Code(s): 061,099

#### **Emissions Unit Details**

1.	Package Unit: CONE CRUSHER / DISCHARGE PAN		
	Manufacturer: CEDARAPIDS	Model Number: RC5411	
2.	Generator Nameplate Rating:	MW	
3.	Incinerator Information:		
	Dwell Temperature:		°F
	Dwell Time:		seconds
	Incinerator Afterburner Temperature:		°F

#### **Emissions Unit Operating Capacity and Schedule**

1. Maximum Heat Input Rate:		mmBtu/hr			
2. Maximum Incineration Rate:	lb/hr	tons/day			
3. Maximum Process or Throughput Rate:	200 TPH AS R	AW (UNCRUSHED)			
RECLAIMED ASPHALT OR CONCRET	ΓE				
4. Maximum Production Rate: 200 TPH AS	S RECLAIMED (	CRUSHED AND SCREENED			
ASPHALT (RAP) OR CONCRETE					
5. Requested Maximum Operating Schedule:					
10 hours/day 6 days/week					
52 weeks/year 3120 hours/year					
21. Operating Capacity/Schedule Comment (	limit to 200 charac	eters):			

Dampened oversized material that bypasses the vibrating screener is fed into the cone crusher from the vibrating screener of the plant where it is crushed and discharged to the discharge pan where it fall onto a conveyor belt. Any fugitive emissions generated are controlled by dampening of the material before it enters the grizzly feeder and crusher as needed.

DEP Form No. 62-210.900(3) - Form

## Emissions Unit Information Section \_\_3\_\_ of \_\_10\_\_ Cedarapids Model RC5411 Cone Crusher B. EMISSION POINT (STACK/VENT) INFORMATION

## **Emission Point Description and Type**

1.	Identification of Point on Plot Plan or		12. Emission Point Type Code:		
	Flow Diagram? 003 (cone of	erusher)	4		
	Descriptions of Emission Po 100 characters per point): NONE				
13.	ID Numbers or Descriptions NONE	s of Emission Ur	nits with this Emi	ssion Point in Commo	on:
14.	Discharge Type Code:	6. Stack Heigl	nt:	7. Exit Diameter:	
	F		feet		feet
8.	Exit Temperature:	9. Actual Volu	ımetric Flow	10. Water Vapor:	
	°F	Rate:		_	%
		_	acfm_		
11.	Maximum Dry Standard Flo	ow Rate: dscfm	12. Nonstack Er	nission Point Height: ~7 FEET	
13.	Emission Point UTM Coord	linates: (Relocat	able unit figures	s below are location i	now)
	Zone: 17 E	ast (km): 357.8	North	h (km): 3107.2	
14.	Emission Point Comment (1	imit to 200 chara	acters):		
EMISSIONS POINT WILL BE FUGITIVE IF ANY EMISSIONS GENERATED AT ALL					

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section \_\_3\_\_ of \_\_10\_\_ Cedarapids Model RC5411 Cone Crusher C. SEGMENT (PROCESS/FUEL) INFORMATION

C. SEGI	C. SEGMENT (PROCESS/FUEL) INFORMATION				
Segment Description and Rate: Segment of					
1. Segment Description (Pro	cess/Fuel Type)	(limit to 500 cf	naracters):		
	Cedarapids, Inc. – Portable Cone Crushing Unit Model RC5411 – Crusher Discharge Pan/Belt. (Material Handling – Emissions related to dropping material out of crusher				
4. Source Classification Cod	e (SCC):	3. SCC Units	S:		
30502511		TONS O	F PRODUCT PROCESSED		
4. Maximum Hourly Rate:	15. Maximum		6. Estimated Annual Activity		
200 tph	624,000 to	n	Factor:		
7. Maximum % Sulfur: NA	8. Maximum	% Ash:	9. Million Btu per SCC Unit:		
Segment Description and Rate: Segment of					
1. Segment Description (Process/Fuel Type) (limit to 500 characters):					
2. Source Classification Code (SCC): 3. SCC Units:					
4. Maximum Hourly Rate:	5. Maximum		6. Estimated Annual Activity Factor:		
7. Maximum % Sulfur: 8. Maximum % Ash: 9. Million Btu per SCC Unit:					
10. Segment Comment (limit to 200 characters):					

30

DEP Form No. 62-210.900(3) - Form

<b>Emissions Unit Information Section</b>	ı3	of_	_10	
Pollutant Detail Information Page	11	of_	_1	

## D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

#### **Potential Emissions**

1 otentiai Emissions				
1. Pollutant Emitted: PM, PM10	D	2. Pollutant Reg	gulatory Code: WP	
3. Primary Control Device 4.	4. Secondary Control Device		5. Total Percent	Efficiency
Code: <b>061</b>	Code: 099		of Control: 80	1%
6. Potential Emissions: PM10 =	= 0.42 lb/hr	& 0.66 ton/hr	7. Synthetically	Limited?
		1.39 ton/hr	[X ]	
8. Emission Factor: 0.0021 lb/to	n		22. Emissions Me	thod Code:
Reference: AP-42 (Table 11.)	19.2-2 contr	olled) and	3	
footnote © for PM Emissions		·		
10. Calculation of Emissions (lim	it to 600 cha	racters):		<del></del>
PM10 = (200 lb/hr)(0.0021 lb/to	•			
PM10 <sub>yearly</sub> [(200 lb/hr)(3120 hr/y	r)(0.0021 lb	o/ton)] / 2000 lb/t	on = 0.66 ton/yr	
PM = [(200  lb/ton)(0.0021  lb/ton)]	a)] $(2.1) = 0$ .	88 lb/hr		
[(=====================================	-)] ()			
PM10 <sub>yearly</sub> [(200 lb/hr)(3120 hr/y	r)(0.0021 lb	/ton)] / 2000 lb/t	on $(2.1) = 1.39 \text{ ton}$	/yr
11. Pollutant Potential Emissions Comment (limit to 200 characters):				
Cone Crusher and Discharge Pan – subject to 40 CFR 60, subpart 000 rules and				
regulations.	•	ŕ	•	
<u> </u>				
Allowable Emissions of				
1. Basis for Allowable Emission	s Code:	2. Future Eff	fective Date of Allo	wable
40 CFR 60, subpart 000		Emissions	: Initial Complian	ce Test
3. Requested Allowable Emissio	ns and Units	s: 4. Equivalen	t Allowable Emissi	ons:
< 15 % Opacity			lb/hour	tons/year
5. Method of Compliance (limit to 60 characters):				
Initial and Annual EPA Method 9 Compliance Testing				
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):				racters):
or the most amount (2000, or operating markets).				

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section3 of10 Cedarapids Cone Crusher  E. VISIBLE EMISSIONS INFORMATION  (Only Emissions Units Subject to a VE Limitation)				
Visible Emissions Limitation: Visible Emissi	ons Limitation of			
1. Visible Emissions Subtype: VE	Basis for Allowable Opacity:     [X] Rule     [ ] Other			
3. Requested Allowable Opacity: Normal Conditions: <15% Exceptional Conditions: <15% Maximum Period of Excess Opacity Allowed: 0 min/hour				
<ul> <li>Method of Compliance: Initial and Annual Visible Emissions Compliance Testing.</li> <li>Visible Emissions Comment (limit to 200 characters):</li> </ul>				
F. CONTINUOUS MONITOR INFORMATION (Only Emissions Units Subject to Continuous Monitoring)				
Continuous Monitoring System: Continuous Monitor of				

1.	Parameter Code:	2.	Pollutant(s):
	NONE		
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	cha	racters):

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section \_\_3\_\_ of \_\_10\_\_ Cedarapids Cone Crusher

### G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

### **Supplemental Requirements**

1. Process Flow Diagram
[X] Attached, Document ID:III[ ] Not Applicable [ ] Waiver Requested
2. Fuel Analysis or Specification
[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
3. Detailed Description of Control Equipment
[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
On file at FDEP's Office
4. Description of Stack Sampling Facilities
[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
5. Compliance Test Report
[X ] Attached, Document ID:IV
[X ] Previously submitted, Date: <u>03/2000</u>
[ ] Not Applicable
6. Procedures for Startup and Shutdown
[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
7. Operation and Maintenance Plan
[ ] Attached, Document ID: [X] Not Applicable [ ] Waiver Requested
On file at FDEP's Office
8. Supplemental Information for Construction Permit Application
[ ] Attached, Document ID: [ ] Not Applicable
On file at FDEP's Office
9. Other Information Required by Rule or Statute
[ ] Attached, Document ID: [X ] Not Applicable
10. Supplemental Requirements Comment:

EMISSIONS ID. NO. 004

Cedarapids Vibrating Screener

Emissions Unit Information Section	4	of_	_10_	
Cedarapids Vibrating Screener				

#### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

### A. GENERAL EMISSIONS UNIT INFORMATION

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

1. Type of Emissions Unit Add	dressed in This Section: (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).					
process or production unit	mation Section addresses, as a si ts and activities which has at leas so produce fugitive emissions.				
	mation Section addresses, as a si as and activities which produce fu	ngle emissions unit, one or more agitive emissions only.			
Cedarapids, Inc. Vibrating	23. Description of Emissions Unit Addressed in This Section (limit to 60 characters):  Cedarapids, Inc. Vibrating Screener – Vibrating Screener to Screener Discharge Conveying System (drop point from Vibrating Screener to Screener Discharge Conveying System)				
3. Emissions Unit Identificatio ID: <b>004</b>	n Number:	[ ] No ID ] ID Unknown			
24. Emissions Unit Status Code: ACTIVE	25. Initial Startup Date: UNKNOWN	26. Emissions Unit Major Group SIC Code: 14			
27. Emissions Unit Comment: (	Limit to 500 Characters):				
vibrating screener and is drop by the water spray bar system pan / conveying system. This emissions at this drop point. To	pped onto the screened materia m on a as needed basis, mount material is still moist enough	re crushed material leaves the al discharge belt are controlled ed in the area of the discharge as to cause little to no fugitive previous spray systems and is kpile.			

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section \_\_4\_\_ of \_\_10\_\_\_ Cedarapids Vibrating Screener Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method):

The fugitive emissions generated from this drop point where crushed material leaves the vibrating screener and is dropped onto the screened material discharge belt are controlled by the water spray bar system on a as needed basis, mounted in the area of the discharge pan / conveying system. This material is still moist enough as to cause little to no fugitive emissions at this drop point. This material is still moist from previous spray systems and is also dampened before it leaves the belt and drops to it's stockpile.

2. Control Device or Method Code(s): 061,099

### **Emissions Unit Details**

1.	Package Unit: VIBRATING SCREENER		
	Manufacturer: CEDARAPIDS	Model Number: RC5411	
2.	Generator Nameplate Rating:	MW	\ \frac{1}{2}
3.	Incinerator Information:		
	Dwell Temperature:		°F
	Dwell Time:		seconds
	Incinerator Afterburner Temperature:		°F

### **Emissions Unit Operating Capacity and Schedule**

1. Maximum Heat Input Rate:		mmBtu/hr
2. Maximum Incineration Rate:	lb/hr	tons/day
3. Maximum Process or Throughput Rate:	200 TPH AS F	RAW (UNCRUSHED)
RECLAIMED ASPHALT OR CONCRE	ETE	
4. Maximum Production Rate: 200 TPH A	AS RECLAIMED	CRUSHED AND SCREENED
ASPHALT (RAP) OR CONCRETE		
5. Requested Maximum Operating Schedu	ıle:	
10 ho	urs/day	6 days/week
52 we	eks/year	3120 hours/year

28. Operating Capacity/Schedule 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.

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section \_\_4\_\_ of \_\_10\_\_\_ Cedarapids Vibrating Screener

### **B. EMISSION POINT (STACK/VENT) INFORMATION**

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

1.	Identification of Point on P	lot Plan or	16. Emission Po	oint Type Code:	
	Flow Diagram? 004 (Vibra	,	4		
3.	Descriptions of Emission Po 100 characters per point): NONE	oints Comprising	g this Emissions \	Unit for VE Tracking	(limit to
17.	ID Numbers or Descriptions NONE	s of Emission Ur	nits with this Emi	ssion Point in Commo	on:
1 0	Discharge Type Code:	6. Stack Heigh	a+1	7. Exit Diameter:	
10.	F	o. Stack Heigh	feet	7. Exit Diameter.	feet
8.	Exit Temperature:	9. Actual Volu	ımetric Flow	10. Water Vapor:	··· <del>····</del>
	°F	Rate:		_	%
11	M D 04 1 1111	Dod.	acfm	'. ' D ' . TT ' 1 .	
11.	Maximum Dry Standard Flo	dscfm	12. Nonstack Er	nission Point Height: ~10 FEET	
13.	Emission Point UTM Coord	linates: (Relocat	able unit figures	s below are location r	iow)
	Zone: 17 E	ast (km): 357.8	Nortl	h (km): 3107.2	
14.	<b>Emission Point Comment (1</b>	imit to 200 chara	acters):		
EN AL	MISSIONS POINT WILL I L	BE FUGITIVE	IF ANY EMISS	IONS GEŅERATEI	AT

DEP Form No. 62-210.900(3) - Form

Cedarapids Vibrating Screener C. SEGMENT (PROCESS/FUEL) INFORMATION Segment Description and Rate: Segment of 1. Segment Description (Process/Fuel Type) (limit to 500 characters): Cedarapids, Inc. - Portable Crushing Unit - Vibrating Screener to Screened Material Discharge Belt. (Material Handling - Emissions related to conveying of reclaimed crushed material). Portable Cone (Material Handling - Emissions related to dropping material out of screener onto belt.) 5. Source Classification Code (SCC): 3. SCC Units: 30502503 TONS OF PRODUCT PROCESSED 4. Maximum Hourly Rate: 6. Estimated Annual Activity 19. Maximum Annual Rate: 624,000 ton 200 tph Factor: 8. Maximum % Ash: 7. Maximum % Sulfur: 9. Million Btu per SCC Unit: NA 10. Segment Comment (limit to 200 characters): Segment Description and Rate: Segment of 1. Segment Description (Process/Fuel Type) (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 % Sulfur: 9. Million Btu per SCC Unit: 8. Maximum % Ash: 10. Segment Comment (limit to 200 characters):

37

Emissions Unit Information Section \_\_4\_\_ of \_\_10\_\_

DEP Form No. 62-210.900(3) - Form

<b>Emissions Unit Information Section</b>	4	_ of _	_10_	
Pollutant Detail Information Page	1_	_ of _	_1	_

### D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

### Potential Emissions

1. Pollutant Emitted: PM, PM10	2. P	ollutant Reg	ulatory Code: WP	
3. Primary Control Device 4. Se	•	ol Device	5. Total Percent P	Efficiency
	ode: <b>099</b>		of Control: 809	<b>%</b>
6. Potential Emissions: PM10 = 0.9	•	•	7. Synthetically L	imited?
	2 lb/hr, 3.14 to	n/yr	[X]	<del></del>
8. Emission Factor: 0.0048 lb/ton			29. Emissions Met	hod Code:
Reference: AP-42 (Table 11.19.2 footnote © for PM Emissions	2-2 controlled)	and	3	
10. Calculation of Emissions (limit to	o 600 character	s):		
$  PM10_{yearty} = [(200 \text{ ton/hr})(3120 \text{ hr/y})]$	z <b>e</b> )(0 00 <b>48</b> lb/t/	m)1 / (2000	lb/ton) = 1 50 ton/s	7 <b>10</b>
$PM10_{hour} = [(200 \text{ ton/hr})(0.0048 \text{ lb/})]$			ibiton) 1.50 toniy	•
nour Ex	,,			
$TSP_{yearty} = [(200 ton/hr)(3120 hr/yr)]$	(0.0048 lb/ton	)] (2.1) / (20	00  lb/ton) = 3.14  to	n/yr
$TSP_{hour} = [(200 ton/hr)(0.0048 lb/to)]$	[n)] (2.1) = 2.0	2 lb/hr		
11. Pollutant Potential Emissions Comment (limit to 200 characters):				
Vibrating Screener – subject to 40 CFR 60, subpart 000 rules and regulations.				
Allowable Emissions Allowable Em		_ of		
1. Basis for Allowable Emissions Co	ode: 2.		ective Date of Allov	
40 CFR 60, subpart 000			Initial Complianc	
3. Requested Allowable Emissions a	and Units:   4.	Equivalent	Allowable Emissio	ns:
< 10 % Opacity		1	b/hour	tons/year
5. Method of Compliance (limit to 6	•			
Initial and Annual EPA Method	d 9 Complianc	e Testing		
6 Allowable Emissions Comment (	Dogo of Orang	ting Mathad	(limit to 200 above	notoma):
6. Allowable Emissions Comment (	Desc. of Opera	ing Memod	) (mini to 200 chara	iciers).

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section	_4	_ of _	_10_	
Cedarapids Vibrating Screener				

### E VISIBLE EMISSIONS INFORMATION

	Subject to a VE Limitation)
Visible Emissions Limitation: Visible Emiss	ions Limitation of
1. Visible Emissions Subtype: VE	2. Basis for Allowable Opacity: [X] Rule [ ] Other
Requested Allowable Opacity:     Normal Conditions: <10% Exception     Maximum Period of Excess Opacity Allow	nal Conditions: <10%
4. Method of Compliance: Initial and Annua	l Visible Emissions Compliance Testing.
5. Visible Emissions Comment (limit to 200 c	haracters):
F. CONTINUOUS MC	NITOR INFORMATION
(Only Emissions Units Subj	ect to Continuous Monitoring)
Continuous Monitoring System: Continuous	Monitor of
Parameter Code:     NONE	2. Pollutant(s):
3. CMS Requirement:	Rule Dther
4. Monitor Information:  Manufacturer:	
Model Number:	Serial Number:
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200	characters):

39

DEP Form No. 62-210.900(3) - Form Effective: 2/11/99

### Emissions Unit Information Section \_\_4\_\_ of \_\_10\_\_\_ Cedarapids Vibrating Screener

### G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

### **Supplemental Requirements**

1.	Process Flow Diagram
	[X ] Attached, Document ID:III [ ] Not Applicable [ ] Waiver Requested
2.	Fuel Analysis or Specification
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
3.	Detailed Description of Control Equipment
	[ ] Attached, Document ID: [X] Not Applicable [ ] Waiver Requested
On	file at FDEP's Office
4.	Description of Stack Sampling Facilities
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
5.	Compliance Test Report
	[X ] Attached, Document ID: <u>IV</u>
	[X ] Previously submitted, Date: 03/2000
	[ ] Not Applicable
	f JFF
6.	Procedures for Startup and Shutdown
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
7.	Operation and Maintenance Plan
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
On	file at FDEP's Office
8.	Supplemental Information for Construction Permit Application
	[ ] Attached, Document ID: [ ] Not Applicable
On	file at FDEP's Office
9.	Other Information Required by Rule or Statute
	[ ] Attached, Document ID: [X ] Not Applicable
10.	Supplemental Requirements Comment:

DEP Form No. 62-210.900(3) - Form

EMISSIONS ID. NO. 005
Emissions From Magnet Transfer Drop

<b>Emissions Unit Information Section</b>	5	of10	
Cedarapids Magnet Transfer Point		-	

### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

### A. GENERAL EMISSIONS UNIT INFORMATION

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

1. Type of Emissions Unit Ad	dressed in This Section: (Check	one)
process or production unit	mation Section addresses, as a sit, or activity, which produces one inable emission point (stack or v	e or more air pollutants and
process or production unit	mation Section addresses, as a sits and activities which has at leass produce fugitive emissions.	
	mation Section addresses, as a sa as and activities which produce for	ingle emissions unit, one or more agitive emissions only.
_ <del>_</del>	nnsfer Point – Transfer Point rops to a transfer belt to be ru	mit to 60 characters): where metal is extracted from n back through screener (drop
3. Emissions Unit Identification ID: 005	on Number:	[ ] No ID ] ID Unknown
31. Emissions Unit Status Code: ACTIVE	32. Initial Startup Date: UNKNOWN	33. Emissions Unit Major Group SIC Code: 14
34. Emissions Unit Comment: (	Limit to 500 Characters):	
magnet belt and is dropped controlled by the water spray discharge pan / conveying sys	onto a transfer belt to be res y bar system on a as needed ba tem. This material is still mois op point. This material is st	ere crushed material leaves the creened. This material will be asis, mounted in the area of the t enough as to cause little to no ill moist from previous spray rops to it's stockpile.

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section 5 of 10 **Cedarapids Magnet Transfer Point Emissions Unit Control Equipment** 

1. Control Equipment/Method Description (limit to 200 characters per device or method):

The fugitive emissions generated from this drop point where crushed material leaves the magnet belt and is dropped onto the transfer belt is controlled by the water spray har 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.

Control Device or Method Code(s): 061,099

### **Emissions Unit Details**

1.	Package Unit: Magnet Transfer Point		
	Manufacturer: CEDARAPIDS	Model Number: RC5411	
2.	Generator Nameplate Rating:	MW	
3.	Incinerator Information:		
	Dwell Temperature:		°F
	Dwell Time:		seconds
	Incinerator Afterburner Temperature:		°F

### **Emissions Unit Operating Capacity and Schedule**

Maximum Heat Input Rate:		mmBtu/hr
2. Maximum Incineration Rate:	lb/hr	tons/day
3. Maximum Process or Throughput Rat	e: <b>200 TPH AS R</b>	AW (UNCRUSHED)
RECLAIMED ASPHALT OR CONCR	RETE	
4. Maximum Production Rate: 200 TPH	AS RECLAIMED O	CRUSHED AND SCREENED
ASPHALT (RAP) OR CONCRETE		
5. Requested Maximum Operating Scheo	dule:	
<b>10</b> h	ours/day	6 days/week
52 v	veeks/year	3120 hours/year
35 Operating Capacity/Schedule Comme	nt (limit to 200 charac	iters).

35. Operating Capacity/Schedule Comment (limit to 200 characters):

The fugitive emissions generated from this drop point where crushed material leaves the magnet belt is dropped onto the transfer 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.

DEP Form No. 62-210.900(3) - Form

### Emissions Unit Information Section \_\_5\_\_ of \_\_10\_\_ Cedarapids Magnet Transfer Point

### **B. EMISSION POINT (STACK/VENT) INFORMATION**

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

1. Identification of Point on P	Plot Plan or 20. Emission Point Type Code:			
Flow Diagram? 005 (Magn				
3. Descriptions of Emission Position 100 characters per point):  NONE	oints Comprising	g this Emissions \	Unit for VE Tracking	(limit to
21. ID Numbers or Descriptions NONE	s of Emission Ur	nits with this Emi	ssion Point in Commo	on:
22. Discharge Type Code:	6. Stack Heigh	nt:	7. Exit Diameter:	
<b>F</b>		feet	:	feet
8. Exit Temperature:	9. Actual Volu	ımetric Flow	10. Water Vapor:	
°F	Rate:			%
11 M	<b>D</b> .	acfm	* * * * * * * * * * * * * * * * * * * *	
11. Maximum Dry Standard Flo	dscfm	12. Nonstack Er	nission Point Height: ~4 FEET	
13. Emission Point UTM Coord	linates: (Relocat	able unit figures	s below are location i	10W)
Zone: 17 E	ast (km): 357.8	North	h (km): 3107.2	
14. Emission Point Comment (l	imit to 200 chara	icters):		
EMISSIONS POINT WILL I	BE FUGITIVE	IF ANY EMISS	IONS GENERATEI	) AT

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section \_\_5\_\_ of \_\_10\_\_\_ **Cedarapids Magnet Transfer Point** C. SEGMENT (PROCESS/FUEL) INFORMATION Segment Description and Rate: Segment of 1. Segment Description (Process/Fuel Type) (limit to 500 characters): Cedarapids, Inc. - Portable Crushing Unit - Magnet Transfer Point. (Material Handling - Emissions related to conveying of reclaimed crushed material from one belt to another) 6. Source Classification Code (SCC): 3. SCC Units: 30502505 TONS OF PRODUCT PROCESSED 4. Maximum Hourly Rate: 23. Maximum Annual Rate: 6. Estimated Annual Activity 200 tph 624,000 ton Factor: 8. Maximum % Ash: 7. Maximum % Sulfur: 9. Million Btu per SCC Unit: NA 10. Segment Comment (limit to 200 characters): Segment Description and Rate: Segment of 1. Segment Description (Process/Fuel Type) (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 % Sulfur: 8. Maximum % Ash: 9. Million Btu per SCC Unit: 10. Segment Comment (limit to 200 characters):

DEP Form No. 62-210.900(3) - Form

<b>Emissions Unit Information Section</b>	5	_ of _	_10_	
Pollutant Detail Information Page	1_	of_	_1	

### D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

### Potential Emissions

1 otential Emissions			
1. Pollutant Emitted: PM, PM10 2	Pollutant Reg	ulatory Code: WP	
3. Primary Control Device 4. Secondary Co Code: 061 Code: 099	ontrol Device	5. Total Percent I of Control: 80°	•
6. Potential Emissions: PM10 = 0.96 lb/hr, 1. PM = 2.02 lb/hr, 3.14	•	7. Synthetically I [X]	imited?
8. Emission Factor: 0.0021 lb/ton		36. Emissions Met	hod Code:
Reference: AP-42 (Table 11.19.2-2 controlled) and footnote © for PM Emissions		3	
10. Calculation of Emissions (limit to 600 chara-	intere):		<del>-</del> -
$\begin{split} PM10_{\text{yearty}} &= \left[ (200 \text{ ton/hr})(3120 \text{ hr/yr})(0.0048 \text{ lb/ton}) \right] / (2000 \text{ lb/ton}) = 1.50 \text{ ton/yr} \\ PM10_{\text{hour}} &= \left[ (200 \text{ ton/hr})(0.0048 \text{ lb/ton}) \right] = 0.96 \text{ lb/hr} \\ TSP_{\text{yearty}} &= \left[ (200 \text{ ton/hr})(3120 \text{ hr/yr})(0.0048 \text{ lb/ton}) \right] (2.1) / (2000 \text{ lb/ton}) = 3.14 \text{ ton/yr} \\ TSP_{\text{hour}} &= \left[ (200 \text{ ton/hr})(0.0048 \text{ lb/ton}) \right] (2.1) = 2.02 \text{ lb/hr} \end{split}$			
,	11. Pollutant Potential Emissions Comment (limit to 200 characters):  Magnet Transfer Point – subject to 40 CFR 60, subpart 000 rules and regulations.		
Allowable Emissions Allowable Emissions	of		
<ol> <li>Basis for Allowable Emissions Code:</li> <li>40 CFR 60, subpart 000</li> </ol>	Emissions	ective Date of Allov : Initial Compliand	e Test
3. Requested Allowable Emissions and Units:	4. Equivalent	t Allowable Emissic	ons:
< 10 % Opacity	]	lb/hour	tons/year
5. Method of Compliance (limit to 60 characters): Initial and Annual EPA Method 9 Compliance Testing			

DEP Form No. 62-210.900(3) - Form Effective: 2/11/99

45

### Emissions Unit Information Section \_\_5\_\_ of \_\_10\_\_ Magnet Transfer Point - Drop Point E. VISIBLE EMISSIONS INFORMATION

(Only Emissions Units Subject to a VE Limitation)

4	sible Emissions Limitation: Visible Emiss	sions Limitation or
I.	Visible Emissions Subtype: VE	2. Basis for Allowable Opacity:
		[X] Rule [ ] Other
3.	Requested Allowable Opacity:	
	Normal Conditions: <10% Exception	nal Conditions: <10%
	Maximum Period of Excess Opacity Allov	ved: 0 min/hour
4.	Method of Compliance: Initial and Annu	al Visible Emissions Compliance Testing.
5.	Visible Emissions Comment (limit to 200	characters):
	E CONTINUOUS M	ONITION INFORMATION
	F. CONTINUOUS MO	INITORINGORMATION
	(Only Emissions Units Sub	<del></del>
<u>Co</u>	Only Emissions Units Sub ntinuous Monitoring System: Continuous	ject to Continuous Monitoring)
		ject to Continuous Monitoring) s Monitor of
	ntinuous Monitoring System: Continuous	ject to Continuous Monitoring)
1.	ntinuous Monitoring System: Continuous Parameter Code:	ject to Continuous Monitoring) s Monitor of
1. 3.	ntinuous Monitoring System: Continuous Parameter Code: NONE	s Monitor of  2. Pollutant(s):
1. 3.	ntinuous Monitoring System: Continuous Parameter Code: NONE CMS Requirement:	s Monitor of  2. Pollutant(s):
1. 3.	ntinuous Monitoring System: Continuous Parameter Code: NONE CMS Requirement: Monitor Information:	s Monitor of  2. Pollutant(s):
1. 3. 4.	Parameter Code: NONE CMS Requirement: Monitor Information: Manufacturer:	ject to Continuous Monitoring)  s Monitor of  2. Pollutant(s):  [ ] Rule [ ] Other
3. 4.	Parameter Code: NONE CMS Requirement: Monitor Information: Manufacturer: Model Number: Installation Date:	ject to Continuous Monitoring)  s Monitor of  2. Pollutant(s):  [ ] Rule [ ] Other  Serial Number:  6. Performance Specification Test Date:
3. 1.	ntinuous Monitoring System: Continuous Parameter Code: NONE CMS Requirement: Monitor Information: Manufacturer: Model Number:	ject to Continuous Monitoring)  s Monitor of  2. Pollutant(s):  [ ] Rule [ ] Other  Serial Number:  6. Performance Specification Test Date:
	Parameter Code: NONE CMS Requirement: Monitor Information: Manufacturer: Model Number: Installation Date:	ject to Continuous Monitoring)  s Monitor of  2. Pollutant(s):  [ ] Rule [ ] Other  Serial Number:  6. Performance Specification Test Date:

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section \_\_5\_\_ of \_\_10\_\_ Magnet Transfer Point - Drop Point

### G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

### **Supplemental Requirements**

1.	Process Flow Diagram
	[X ] Attached, Document ID:III [ ] Not Applicable [ ] Waiver Requested
	Fuel Analysis or Specification  [ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
On	Detailed Description of Control Equipment  [ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested  file at FDEP's Office
4.	Description of Stack Sampling Facilities  [ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
5.	Compliance Test Report  [X ] Attached, Document ID:IV  [X ] Previously submitted, Date:03/2000  [ ] Not Applicable
6.	Procedures for Startup and Shutdown  [ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
	Operation and Maintenance Plan  [ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested file at FDEP's Office
	Supplemental Information for Construction Permit Application  [ ] Attached, Document ID: [ ] Not Applicable  file at FDEP's Office
9.	Other Information Required by Rule or Statute  [ ] Attached, Document ID: [X ] Not Applicable
10.	Supplemental Requirements Comment:

EMISSIONS ID. NO. 006

**Emissions From Radial Stacker Belt** 

<b>Emissions Unit Information Section</b>	6	of	10	
Radial Stacker Belt No.1 - Drop Poin	— — nt			_

### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

### A. GENERAL EMISSIONS UNIT INFORMATION

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

1. Type of Emissions	Unit Addressed in This Section: (C	heck one)
process or produ	Jnit Information Section addresses, a ction unit, or activity, which produce t one definable emission point (stack	s one or more air pollutants and
process or produ	Unit Information Section addresses, a ction units and activities which has a at may also produce fugitive emission	
	Unit Information Section addresses, a ction units and activities which produ	as a single emissions unit, one or more ace fugitive emissions only.
2. Description of Emi	ssions Unit Addressed in This Section	n (limit to 60 characters):
Drop Point from Rad stacker belt to stockp	ial Stacker No.1 to Stockpile – who ile	ere crushed material leaves radial
3. Emissions Unit Ide ID: <b>006</b>	ntification Number:	[ ] No ID
37. Emissions Unit Sta Code: ACTIVE	tus 38. Initial Startup Date: UNKNOWN	39. Emissions Unit Major Group SIC Code: 14
40. Emissions Unit Co	mment: (Limit to 500 Characters):	
RADIAL STACE CONSTRUCTION CRUSH AND THEREFORE EN UNIT. SHOULD	KER BELT TO BE STOCKP N SITES. THE ENTIRE AGGREG AND CONVEY RECLAIMEI MISSIONS WILL BE NIL TO I	TE WILL TRAVEL ALONG THE ILED FOR FUTURE USE AT GATE PROCESSING UNIT WILL D ASPHALT & CONCRETE, NONE FROM THIS EMISSIONS AL WILL BE SPRAYED AS TO

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section \_\_6\_\_\_ of \_\_10\_\_\_ Radial Stacker Belt No.1 - Drop Point Emissions Unit Control Equipment

24. Control Equipment/Method Description (limit to 200 characters per device or method):

ANY EMISSIONS THAT MAY BE GENERATED UNIT ARE CONTROLLED AT THIS FACILITY BY DAMPENING MATERIAL BEFORE IT ENTERS THE RECEIVING HOPPER AS NEEDED TO CONTROL GENERATION OF FUGITIVES

2. Control Device or Method Code(s): 061,099

### **Emissions Unit Details**

1.	Package Unit: RADIAL STACKER BELT		
	Manufacturer: SELF FABRICATED	Model Number: N	NA.
2.	Generator Nameplate Rating:	MW	
3.	Incinerator Information:		
	Dwell Temperature:		°F
	Dwell Time:		seconds
	Incinerator Afterburner Temperature:		°F

### **Emissions Unit Operating Capacity and Schedule**

	mmBtu/hr
lb/hr	tons/day
200 TPH AS R TE	AW (UNCRUSHED)
	CRUSHED AND SCREENED
le:	
ırs/day	6 days/week
eks/year	3120 hours/year
	200 TPH AS R TE S RECLAIMED C le: ars/day

Dampened, uncrushed reclaimed asphalt material is fed into the crusher from the receiving hopper and grizzly feeder of the plant where it is crushed and discharged to the discharge pan where it fall onto a conveyor belt from there it is conveyed to a stockpile for future use at one of the asphalt plants. Any fugitive emissions generated are controlled by dampening of the material before it enters the grizzly feeder and crusher as

needed.

DEP Form No. 62-210.900(3) - Form

### Emissions Unit Information Section \_\_6\_\_ of \_\_10\_\_ Radial Stacker Belt No.1 – Drop Point B. EMISSION POINT (STACK/VENT) INFORMATION

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

1.	Identification of Point on Plot Plan or		25. Emission Point Type Code:		
	Flow Diagram? 006 (Radia	l Stacker)	4		
3.	Descriptions of Emission Policy 100 characters per point): NONE	oints Comprising	g this Emissions U	Unit for VE Tracking	(limit to
26.	ID Numbers or Descriptions NONE	s of Emission Ur	nits with this Emi	ssion Point in Commo	on:
27	Discharge Type Code:	6. Stack Heigl	n+.	7. Exit Diameter:	
21.	F	6. Stack Heigl	feet	7. Exit Diameter.	feet
8.	Exit Temperature:	9. Actual Volu Rate:	ımetric Flow	10. Water Vapor:	%
	-		acfm		, •
11.	Maximum Dry Standard Flo	ow Rate: dscfm		nission Point Height: ~2-15 FEET	
13.	Emission Point UTM Coord	linates: (portabl	e facility – figur	e below at location n	ow)
	Zone: 17 E	ast (km): 357.8	North	n (km): 3107.2	
14.	<b>Emission Point Comment (1</b>	imit to 200 chara	acters):		
EN AL	MISSIONS POINT WILL I	BE FUGITIVE	IF ANY EMISS	IONS GENERATEI	AT .

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section \_\_6\_\_ of \_\_10\_\_ Radial Stacker Belt No.1 – Drop Point C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment of	Segment	Description	and Rate:	Segment	of
--	---------	-------------	-----------	---------	----

Segment Description and K.	atc. beginent_						
1. Segment Description (Pro	cess/Fuel Type)	(limit to 500 cl	narac	ters):			
Cedarapids - Radial Stack	er Belt to Stock	pile (Material	Han	dling – Emissions related			
to conveying and dropping	of material.)	•					
	ŕ						
7. Source Classification Cod	le (SCC):	3. SCC Unit	c.	<del></del>			
30502511	ie (500).			RODUCT PROCESSED			
4. Maximum Hourly Rate:	28. Maximum	Annual Rate:	6.	Estimated Annual Activity			
200 tph	624,000 to			Factor:			
7. Maximum % Sulfur: NA	8. Maximum	% Ash:	9.	Million Btu per SCC Unit:			
10. Segment Comment (limit	to 200 characters	s):					
· ·		,					
Segment Description and Ra	ate: Segment	of					
1. Segment Description (Pro	cess/Fuel Type)	(limit to 500 c	harac	eters):			
1 \	<b>31</b> /			,			
Source Classification Code (SCC):     3. SCC Units:							
	(300).						
4. Maximum Hourly Rate:	5. Maximum	Annual Rate:	T 6.	Estimated Annual Activity			
•				Factor:			
7. Maximum % Sulfur:	8. Maximum % Ash: 9. Million Btu per SCC Unit:						
7. Manifest 70 bullet.							
10. Segment Comment (limit	to 200 characters	s):	•				

51

DEP Form No. 62-210.900(3) - Form

### EMISSIONS UNIT NO. 6 of 10 RADIAL STACKER BELT No.1 - Drop Point

### D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

### **Potential Emissions**

1. Pollutant Emitted: PM, PM10	2. Pollutant Regulatory Code: WP					
3. Primary Control Device 4. Secondary C Code: 061 Code: 099	of Control: 80%					
6. Potential Emissions: PM10 = 0.96 lb/hr & PM = 2.02 lb/hr & 3						
8. Emission Factor: 0.0048 lb/ton	42. Emissions Method Code:					
Reference: AP-42 (Table 11.19.2-2 control	lled) and					
footnote © for PM Emissions						
10. Calculation of Emissions (limit to 600 chara	acters):					
PM10 = (200  lb/ton)(0.0048  lb/ton) = 0.96  lb/h	/hr					
PM10 <sub>yearly</sub> [(200 lb/hr)(3120 hr/yr)(0.0048 lb/t	ton)] / $2000 \text{ lb/ton} = 1.50 \text{ ton/yr}$					
PM = [(200  lb/ton)(0.0048  lb/ton)] (2.1) = 2.02	2 lb/b#					
1	2 10/11					
PM10 <sub>yearly</sub> [(200 lb/hr)(3120 hr/yr)(0.0048 lb/t	ton)] / 2000 lb/ton (2.1) = 3.14 ton/yr					
11. Pollutant Potential Emissions Comment (lin	•					
Radial Stacker Belt – subject to 40 CFR 60, s	subpart 000 rules and regulations.					
Allowable Emissions of of						
	01					
Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable					
40 CFR 60, subpart 000	2. Future Effective Date of Allowable Emissions: Initial Compliance Test					
40 CFR 60, subpart 000  3. Requested Allowable Emissions and Units:	Future Effective Date of Allowable     Emissions: Initial Compliance Test     Equivalent Allowable Emissions:					
40 CFR 60, subpart 000  3. Requested Allowable Emissions and Units: <10 % Opacity	Future Effective Date of Allowable     Emissions: Initial Compliance Test     4. Equivalent Allowable Emissions:					
40 CFR 60, subpart 000  3. Requested Allowable Emissions and Units: <10 % Opacity  5. Method of Compliance (limit to 60 character)	Future Effective Date of Allowable Emissions: Initial Compliance Test     4. Equivalent Allowable Emissions:					
40 CFR 60, subpart 000  3. Requested Allowable Emissions and Units: <10 % Opacity	Future Effective Date of Allowable Emissions: Initial Compliance Test     4. Equivalent Allowable Emissions:					
40 CFR 60, subpart 000  3. Requested Allowable Emissions and Units: <10 % Opacity  5. Method of Compliance (limit to 60 character Initial and Annual EPA Method 9 Comple	2. Future Effective Date of Allowable					
40 CFR 60, subpart 000  3. Requested Allowable Emissions and Units: <10 % Opacity  5. Method of Compliance (limit to 60 character)	2. Future Effective Date of Allowable					
40 CFR 60, subpart 000  3. Requested Allowable Emissions and Units: <10 % Opacity  5. Method of Compliance (limit to 60 character Initial and Annual EPA Method 9 Comple	2. Future Effective Date of Allowable					

DEP Form No. 62-210.900(3) - Instructions

### EMISSIONS UNIT NO. 6 of 10 RADIAL STACKER BELT No.1 – Drop Point

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

Visible Emissions Limitation: Visible Emissions Limitation of 1. Visible Emissions Subtype: VE 2. Basis for Allowable Opacity: [ ] Other [X] Rule 3. Requested Allowable Opacity: Normal Conditions: <10% Exceptional Conditions: <10% Maximum Period of Excess Opacity Allowed: 0 min/hour 4. Method of Compliance: Initial and Annual Visible Emissions Compliance Testing. 5. Visible Emissions Comment (limit to 200 characters): F. CONTINUOUS MONITOR INFORMATION (Only Emissions Units Subject to Continuous Monitoring) Continuous Monitoring System: Continuous Monitor of 1. Parameter Code: 2. Pollutant(s): **NONE** 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):

DEP Form No. 62-210.900(3) - Instructions

## EMISSIONS UNIT NO. 6 of 10 RADIAL STACKER BELT No.1 – Drop Point G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

### **Supplemental Requirements**

1.	Process Flow Diagram
	[X ] Attached, Document ID:III [ ] Not Applicable [ ] Waiver Requested
2.	Fuel Analysis or Specification
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
3.	Detailed Description of Control Equipment
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
On	file at FDEP's Office
4.	Description of Stack Sampling Facilities
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
5.	Compliance Test Report
	[X ] Attached, Document ID:IV
	[X ] Previously submitted, Date: 03/2000
	[ ] Not Applicable
	[ ] Not ripplicable
6.	Procedures for Startup and Shutdown
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
7.	Operation and Maintenance Plan
	[] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
On	file at FDEP's Office
8.	Supplemental Information for Construction Permit Application
	[ ] Attached, Document ID: [ ] Not Applicable
On	file at FDEP's Office
9.	Other Information Required by Rule or Statute
	[ ] Attached, Document ID: [X ] Not Applicable
10.	Supplemental Requirements Comment:
	•

EMISSIONS ID. NO. 007

Emissions From Radial Stacker Belt No.2

Emissions Unit Informatio	n Section _	_7	_ of _	_10
Radial Stacker Belt No.2 -	Drop Poin	t		

### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

### A. GENERAL EMISSIONS UNIT INFORMATION

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

1. Type of 1	Emissions Unit Ad	dressed in This Section: (Check	one)					
process	[ ] 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).							
process	s or production uni	rmation Section addresses, as a s ts and activities which has at lea so produce fugitive emissions.						
- 4		rmation Section addresses, as a s ts and activities which produce f	single emissions unit, one or more rugitive emissions only.					
2. Description	on of Emissions U	nit Addressed in This Section (lin	mit to 60 characters):					
Drop Point stacker belt		ker No.2 to Stockpile – where c	rushed material leaves radial					
3. Emission ID: <b>007</b>	s Unit Identification	on Number:	[ ] No ID					
43. Emission Code: ACTIVI	s Unit Status	44. Initial Startup Date: UNKNOWN	45. Emissions Unit Major Group SIC Code: 14					
46. Emission	s Unit Comment:	(Limit to 500 Characters):						
RADIAI CONST CRUSH THERE UNIT. S	E STACKER B RUCTION SITES AND AND FORE EMISSIO SHOULD ANY	ELT TO BE STOCKPILE S. THE ENTIRE AGGREGAT CONVEY RECLAIMED NS WILL BE NIL TO NOT	WILL TRAVEL ALONG THE D FOR FUTURE USE AT TE PROCESSING UNIT WILL ASPHALT & CONCRETE, NE FROM THIS EMISSIONS WILL BE SPRAYED AS TO					

DEP Form No. 62-210.900(3) - Instructions

Emissions Unit Information Section \_\_7\_\_ of \_\_10\_\_ Radial Stacker Belt No.2 – Drop Point Emissions Unit Control Equipment

29. Control Equipment/Method Description (limit to 200 characters per device or method):

ANY EMISSIONS THAT MAY BE GENERATED UNIT ARE CONTROLLED AT THIS FACILITY BY DAMPENING MATERIAL BEFORE IT ENTERS THE RECEIVING HOPPER AS NEEDED TO CONTROL GENERATION OF FUGITIVES

2. Control Device or Method Code(s): 061,099

### **Emissions Unit Details**

1.	Package Unit: RADIAL STACKER BELT		
	Manufacturer: SELF FABRICATED	Model Number: N	NA
2.	Generator Nameplate Rating:	MW	
3.	Incinerator Information:		
	Dwell Temperature:		°F
	Dwell Time:		seconds
	Incinerator Afterburner Temperature:		°F

### **Emissions Unit Operating Capacity and Schedule**

Maximum Heat Input Rate:		mmBtu/hr			
2. Maximum Incineration Rate:	lb/hr	tons/day			
3. Maximum Process or Throughput Rate:	200 TPH AS R	AW (UNCRUSHED)			
RECLAIMED ASPHALT OR CONCRET	ΓE				
4. Maximum Production Rate: 200 TPH AS	S RECLAIMED (	CRUSHED AND SCREENED			
ASPHALT (RAP) OR CONCRETE					
5. Requested Maximum Operating Schedule	e:				
10 hours/day 6 days/week					
52 weeks/year 3120 hours/year					
47. Operating Capacity/Schedule Comment (limit to 200 characters):					

Dampened, uncrushed reclaimed asphalt material is fed into the crusher from the receiving hopper and grizzly feeder of the plant where it is crushed and discharged to the discharge pan where it fall onto a conveyor belt from there it is conveyed to a stockpile for future use at one of the asphalt plants. Any fugitive emissions generated are controlled by dampening of the material before it enters the grizzly feeder and crusher as needed.

DEP Form No. 62-210.900(3) - Instructions

Emissions Unit Information Section \_\_7\_\_ of \_\_10\_\_ Radial Stacker Belt No.2 - Drop Point B. EMISSION POINT (STACK/VENT) INFORMATION

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

1. Identification of Point on P	Identification of Point on Plot Plan or		30. Emission Point Type Code:			
Flow Diagram? 007 (Radia	l Stacker)	4				
<ol> <li>Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): NONE</li> </ol>						
31. ID Numbers or Descriptions NONE	s of Emission Ur	nits with this Emi	ssion Point in Commo	on:		
32. Discharge Type Code:	6. Stack Heigl	ht:	7. Exit Diameter:			
F		feet		feet		
8. Exit Temperature:	9. Actual Volu	ımetric Flow	10. Water Vapor:			
°F	Rate:			%		
		acfm				
11. Maximum Dry Standard Flo	ow Rate: dscfm	12. Nonstack Er	nission Point Height: ~2-15 FEET			
13. Emission Point UTM Coord	linates: (portabl	e facility – figur	e below at location n	ow)		
Zone: 17 E	ast (km): 357.8	Nortl	n (km): 3107.2			
14. Emission Point Comment (l	imit to 200 chara	acters):				
EMISSIONS POINT WILL I	BE FUGITIVE	IF ANY EMISS	IONS GENERATEI	) AT		

Emissions Unit Information Section 7 of 10 Radial Stacker Belt No.2 - Drop Point C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment of

1. Segment Description (Process/Fuel Type) (limit to 500 characters):						
Cadaranida Dadial Staalz	on Dolt to Stools	nila (Mataria)	Uan	dling Emissions valeted		
Cedarapids – Radial Stacke to conveying and dropping e		pne (Materiai	пап	dling – Emissions related		
to conveying and dropping	oi material.)					
				···		
8. Source Classification Cod	le (SCC):	3. SCC Unit	_			
30502511	T	<u> </u>		RODUCT PROCESSED		
4. Maximum Hourly Rate:	33. Maximum		6.	Estimated Annual Activity		
200 tph	624,000 to		<u> </u>	Factor:		
7. Maximum % Sulfur:	8. Maximum	% Ash:	9.	Million Btu per SCC Unit:		
NA		`				
10. Segment Comment (limit	to 200 characters	s):				
Segment Description and Ra	ate: Segment	of				
1. Segment Description (Process/Fuel Type ) (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 % Sulfur:	8. Maximum	% Ash:	9.	Million Btu per SCC Unit:		
7. William 70 Bell BCC Offic.						
10. Segment Comment (limit	to 200 characters	s):				

DEP Form No. 62-210.900(3) - Instructions

### EMISSIONS UNIT NO. 7 of 10 RADIAL STACKER BELT No.2 – Drop Point

### D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

### **Potential Emissions**

1. Pollutant Emitted: PM, PM10	2. Pollutant Regul	atory Code: WP				
<ul><li>3. Primary Control Device Code: 061</li><li>4. Secondary Control Device Code: 099</li></ul>		5. Total Percent Efficiency of Control: 80%				
6. Potential Emissions: PM10 = 0.96 lb/hr & PM = 2.02 lb/hr & 3	1	7. Synthetically Limited?  [X]				
8. Emission Factor: 0.0048 lb/ton		8. Emissions Method Code:				
Reference: AP-42 (Table 11.19.2-2 control footnote © for PM Emissions	lled) and	• · ·				
10. Calculation of Emissions (limit to 600 chara	acters):					
PM10 = (200 lb/ton)(0.0048 lb/ton) = 0.96 lb/hr PM10 <sub>yearly</sub> [(200 lb/hr)(3120 hr/yr)(0.0048 lb/ton)] / 2000 lb/ton = 1.50 ton/yr PM = [(200 lb/ton)(0.0048 lb/ton)] (2.1) = 2.02 lb/hr PM10 <sub>yearly</sub> [(200 lb/hr)(3120 hr/yr)(0.0048 lb/ton)] / 2000 lb/ton (2.1) = 3.14 ton/yr						
11. Pollutant Potential Emissions Comment (lin		,				
Radial Stacker Belt – subject to 40 CFR 60, subpart 000 rules and regulations.						
Allowable Emissions Allowable Emissions	of					
<ol> <li>Basis for Allowable Emissions Code: 40 CFR 60, subpart 000</li> </ol>		tive Date of Allowable nitial Compliance Test				
3. Requested Allowable Emissions and Units:	4. Equivalent A	Allowable Emissions:				
< 10 % Opacity		hour tons/year				
5. Method of Compliance (limit to 60 characters):						
Initial and Annual EPA Method 9 Compl	nance resung					
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):						

DEP Form No. 62-210.900(3) - Instructions

### EMISSIONS UNIT NO. 7 of 10 RADIAL STACKER BELT No.2 – Drop Point

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

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation \_\_\_\_ of \_\_\_\_

						<del></del>
1.	Visible Emissions Subtype: VE	2.	Basis for Allov	wable	Opa	city:
			[X] Rule		[	Other
3.	Requested Allowable Opacity:		-			
	Normal Conditions: <10% Exception	al C	onditions: <10°	%		
	Maximum Period of Excess Opacity Allowe	ed: 0	min/hour			
	- •					
4.	Method of Compliance: Initial and Annua	l Vis	sible Emissions	Com	plia	nce Testing.
	- -				="	
			·			
5.	Visible Emissions Comment (limit to 200 cl	hara	cters):			
	E CONTINUOUS MO	NITT	OD INDODA	A TIO	<b>N</b> .T	
	F. CONTINUOUS MO					~\
	(Only Emissions Units Subj	eci i	o Continuous I	VIORIU	DEIR	g)
<u>Co</u>	ntinuous Monitoring System: Continuous	Mor	nitor of _			
1.	Parameter Code:	2	Pollutant(s):			
•	NONE		1 ondani(b).			
3.	CMS Requirement:	Γ	] Rule	ſ	1 (	Other
	Monitor Information:	L	1 1000		<u>, r</u>	<u> </u>
	Manufacturer:					
	Model Number:		Serial Num	ber:		
5	Installation Date:	6	Performance S		ratio	n Test Date:
	mountained Butt.	٠.		poor	<b>,</b>	
7.	Continuous Monitor Comment (limit to 200	cha	racters):			
••	2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		,			

60

# EMISSIONS UNIT NO. 7 of 10 RADIAL STACKER BELT No.2 - Drop Point G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

### **Supplemental Requirements**

] 1.	Process Flow Diagram
	[X ] Attached, Document ID:III [ ] Not Applicable [ ] Waiver Requested
2.	Fuel Analysis or Specification
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
3.	Detailed Description of Control Equipment
	[ ] Attached, Document ID: [X] Not Applicable [ ] Waiver Requested
On	file at FDEP's Office
4.	Description of Stack Sampling Facilities
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
5.	Compliance Test Report
	[X ] Attached, Document ID:IV
	[X ] Previously submitted, Date:03/2000
	[ ] Not Applicable
	[ ] Not Applicable
6	Procedures for Startup and Shutdown
0.	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
	[ ] Marver Requested
7.	Operation and Maintenance Plan
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
On	file at FDFP's Office
	Supplemental Information for Construction Permit Application
٥.	[ ] Attached, Document ID: [ ] Not Applicable
	file at FDEP's Office
	Other Information Required by Rule or Statute
	[ ] Attached, Document ID: [X ] Not Applicable
10.	Supplemental Requirements Comment:

EMISSIONS ID. NO. 008

**Emissions From Caterpillar Generator Set** 

### EMISSIONS UNIT NO. <u>8</u> of <u>10</u> DIESEL GENERATOR SET

#### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

### A. GENERAL EMISSIONS UNIT INFORMATION

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

1.	1. Type of Emissions Unit Addressed in This Section: (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).				
[X	process or production uni	rmation Section addresses, as a si ts and activities which has at leas so produce fugitive emissions.			
[	] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.				
Ca	2. Description of Emissions Unit Addressed in This Section (limit to 60 characters):  Caterpillar Diesel fired Generator Set used to supply electrical power to the crushing / aggregate processing plant. Generator fired on No.2 virgin diesel fuel oil with a maximum				
_	<del> </del>		ximum fuel consumption of 25		
	l/hr.				
3.	Emissions Unit Identification ID: 008	on Number:	[ ] No ID [ ] ID Unknown		
49	Emissions Unit Status Code:	50. Initial Startup Date:	51. Emissions Unit Major Group SIC Code:		
	ACTIVE	UNKNOWN	14		
52.	Emissions Unit Comment:	(Limit to 500 Characters):			
		enerator – fired on No.2 virgin	diesel fuel with a maximum		
sulfur limit of 0.5% by weight – used to power all equipment employed by this					
crushing/aggregate processing unit.					

DEP Form No. 62-210.900(3) - Instructions

### EMISSIONS UNIT NO. 8 of 10 **DIESEL GENERATOR SET**

### **Emissions Unit Control Equipment**

34. Control Equipment/Method Description (limit to 200 characters per device or method):

**NONE** 

2. Control Device or Method Code(s): NA

### **Emissions Unit Details**

1.	Package Unit: Generator Set		-
	Manufacturer: Caterpillar Diesel	Model Number: 325	
2.	Generator Nameplate Rating:	MW	
3.	Incinerator Information:	<del></del>	
	Dwell Temperature:		°F
•	Dwell Time:		seconds
	Incinerator Afterburner Temperature:		°F

### **Emissions Unit Operating Capacity and Schedule**

<ol><li>Maximum I</li></ol>	ncineration Rate:	lb/hr	tons/day
3. Maximum F of 25 gal/hr	Process or Throughput Rate:	Consumes No.2	fuel oil at a maximum rate
4. Maximum F	Production Rate: 25 gal/hr		
5. Requested N	Maximum Operating Schedule	e:	
	<b>10</b> hour	rs/day	6 days/week
52 weeks/year		3120 hours/year	

325 H.P. Caterpillar Diesel Generator - fired on No.2 virgin diesel fuel with a maximum sulfur limit of 0.5% by weight - used to power all equipment employed by this crushing/aggregate processing unit.

DEP Form No. 62-210.900(3) - Instructions

#### EMISSIONS UNIT NO. <u>8</u> of <u>10</u> DIESEL GENERATOR SET

#### **B. EMISSION POINT (STACK/VENT) INFORMATION**

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

1. Identification of Point on P	lot Plan or	35. Emission Po	oint Type Code:	
Flow Diagram? 008 (Gene	rator)	4		
				/1° '
3. Descriptions of Emission P 100 characters per point): NONE	oints Comprising	g this Emissions (	Unit for VE Tracking	(limit to
36. ID Numbers or Description NONE	s of Emission Ur	nits with this Emi	ssion Point in Commo	on:
37. Discharge Type Code:	6. Stack Heigh	ht·	7. Exit Diameter:	
F	o. Stack Heigh	feet	7. Date Manietor.	feet
8. Exit Temperature:	9. Actual Vol	umetric Flow	10. Water Vapor:	
°F	Rate:		_	<b>%</b>
		acfm		
11. Maximum Dry Standard Flo	ow Rate: dscfm	12. Nonstack Er	mission Point Height: ~12 FEET	
13. Emission Point UTM Coord	dinates: (portabl	e unit at this loc	ation only)	
	ast (km): 357.8		h (km): 3107.2	
14. Emission Point Comment (	limit to 200 chara	acters):		
	·			

DEP Form No. 62-210.900(3) - Instructions

# EMISSIONS UNIT NO. 8 of 10 DIESEL GENERATOR SET

## C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Ra	ate: Segment	of		
1. Segment Description (Proc	cess/Fuel Type)	(limit to 500 ch	narac	eters):
Caterpillar Diesel Generator virgin diesel fuel with a max				
9. Source Classification Code 20222200401	e (SCC):	3. SCC Units		burned
4. Maximum Hourly Rate: 25 ga/hr @ worst case	38. Maximum 78,000 gal/	Annual Rate: yr @ max.	_	Estimated Annual Activity Factor: 0.50 tpy @ worst
7. Maximum % Sulfur: <b>0.5</b> %	8. Maximum 9 <b>6.01 % by w</b>		9.	Million Btu per SCC Unit: 138,000
10. Segment Comment (limit t	to 200 characters	):		
Segment Description and Ra				
1. Segment Description (Proc	ess/Fuel Type)			eters):
2. Source Classification Code		3. SCC Units	): -	
4. Maximum Hourly Rate:	5. Maximum A	Annual Rate:	6.	Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum 9	% Ash:	9.	Million Btu per SCC Unit:
10. Segment Comment (limit t	o 200 characters	):		

DEP Form No. 62-210.900(3) - Instructions

#### D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions Pollutant 1 of 5		
1. Pollutant Emitted: PM10 2	. Pollutant Reg	gulatory Code: WP
3. Primary Control Device 4. Secondary Cocce: Code: NONE		5. Total Percent Efficiency of Control: 0%
6. Potential Emissions: : PM10 = 1.07 lb/hr o	r 1.67 ton/yr	7. Synthetically Limited? [X]
8. Emission Factor: 0.31 lb/MMBTU		54. Emissions Method Code:
Reference: AP-42		3
10. Calculation of Emissions (limit to 600 chara	cters):	
PM10 = (25 gal/hr fuel useage)(138,000 BTU/ (3.45 MMBTU/hr)(0.31 lb/MMBTU) (1.07 lb/hr)(3120 hrs/yr) / 2000 lb/tor  11. Pollutant Potential Emissions Comment (lim Emissions from Diesel Generator Subject to 6	) = 1.07 lb/hr n = 1.67 ton/hr nit to 200 charac	eters):
Allowable Emissions Allowable Emissions	of	
<ol> <li>Basis for Allowable Emissions Code:</li> <li>40 CFR 60, subpart 000</li> </ol>	Emissions	fective Date of Allowable s: Initial Compliance Test
3. Requested Allowable Emissions and Units:	4. Equivalent	t Allowable Emissions:
< 10 % Opacity	]	lb/hour tons/year
5. Method of Compliance (limit to 60 character Initial and Annual EPA Method 9 Compli	•	
6. Allowable Emissions Comment (Desc. Of O	perating Method	d) (limit to 200 characters):

#### EMISSIONS UNIT NO. <u>8</u> of <u>10</u> DIESEL GENERATOR SET

#### D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions Pollu	ıtant <u>2</u> of <u>5</u>	•		
1. Pollutant Emitted: NOx	2. I	Ollutant Reg	gulatory Code: W	/P
1	econdary Cont Code: NONE	rol Device	5. Total Perce of Control:	•
6. Potential Emissions: : NOx = 1	5.21 lb/hr or 2	3.73 ton/yr	7. Synthetical [X ]	ly Limited?
8. Emission Factor: 4.41 lb/MMB	ΓU	•	55. Emissions	Method Code:
Reference: AP-42			3	
10. Calculation of Emissions (limit t	to 600 characte	rs):		
NOx = (25 gal/hr fuel useage)(138, (3.45 MMBTU/hr)(4.41 lt (15.21 lb/hr)(3120 hrs/yr)  11. Pollutant Potential Emissions Co Emissions from Diesel Generator S	b/MMBTU) =  / 2000 lb/ton =  pmment (limit t	15.21 lb/hr = 23.73 ton/y o 200 charac	yr eters):	
Allowable Emissions Allowable En	nissions	_ of		
<ol> <li>Basis for Allowable Emissions C 62-296.320 of FAC</li> </ol>			ective Date of A : Initial Compli	
3. Requested Allowable Emissions	and Units: 4	Equivalen	t Allowable Emi	ssions:
< 10 % Opacity		]	lb/hour	tons/year
5. Method of Compliance (limit to Initial and Annual EPA Metho	,	ce Testing		
6. Allowable Emissions Comment	(Desc. Of Oper	ating Method	d) (limit to 200 c	haracters):

# EMISSIONS UNIT NO. <u>8</u> of <u>10</u> DIESEL GENERATOR SET

### D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions Pollu	utant <u>3</u> of <u>5</u>		
1. Pollutant Emitted: CO	2. Pollutant	Regulatory Code: WP	<del></del>
1	Secondary Control Device Code: NONE	e 5. Total Percent Eff of Control: 0%	ficiency
6. Potential Emissions: : CO = 3.2	28 lb/hr or 5.12 ton/yr	7. Synthetically Lir	nited?
8. Emission Factor: 0.95 lb/MMB'	TU	56. Emissions Metho	od Code:
Reference: AP-42		3	
10. Calculation of Emissions (limit	to 600 characters):		
(3.45 MMBTU/hr)(0.95 ll (3.28 lb/hr)(3120 hrs/yr)	/ 2000 lb/ton = 5.12 ton	hr aracters):	
Allowable Emissions Allowable E	missions of		
1. Basis for Allowable Emissions C 62-296.320 FAC	Emissi	Effective Date of Allowa ons: Initial Compliance	Test
3. Requested Allowable Emissions <20% Opacity	and Units: 4. Equiva	lent Allowable Emission	s:
20 % Opacity		lb/hour to	ons/year
5. Method of Compliance (limit to Initial and Annual EPA Metho		g	
6. Allowable Emissions Comment	(Desc. Of Operating Me	thod) (limit to 200 charac	tore).
			icis).
f .			.1015).

#### D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions Poll	utant <u>4</u> of <u>5</u>			
1. Pollutant Emitted: SOx	2.	Pollutant Reg	gulatory Code: WP	
l '	Secondary Co Code: NONE		5. Total Percent of Control: 0	•
6. Potential Emissions: $SOx = 1$	.00 lb/hr or 1	1.56 ton/yr	7. Synthetically [X]	Limited?
8. Emission Factor: 0.29 lb/MMB	BTU		57. Emissions M	ethod Code:
Reference: AP-42			3	
10. Calculation of Emissions (limit to 600 characters):				
(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				
	11. Pollutant Potential Emissions Comment (limit to 200 characters): Emissions from Diesel Generator Subject to 62-296.320 FAC			
Allowable Emissions Allowable E	Emissions	of		
1. Basis for Allowable Emissions 62-296.320 FAC		Emissions	fective Date of Alles: Initial Complia	nce Test
3. Requested Allowable Emissions	s and Units:	4. Equivalen	t Allowable Emiss	ions:
< 20% Opacity			lb/hour	tons/year
Method of Compliance (limit to Initial and Annual EPA Meth     Allowable Emissions Comment	od 9 Complia	ance Testing	d) (limit to 200 ch	aracters):

DEP Form No. 62-210.900(3) - Instructions

## D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions Pollutant 5 of 5							
1. Pollutant Emitted: TOC 2	. Pollutant Reg	ulatory Code: WP					
3. Primary Control Device 4. Secondary Co Code: NONE		5. Total Percent Eff of Control: 0%	ficiency				
6. Potential Emissions: : TOC = 1.24 lb/hr or	1.93 ton/yr	7. Synthetically Lir [X]	nited?				
8. Emission Factor: 0.36 lb/MMBTU		58. Emissions Metho	od Code:				
Reference: AP-42		3					
10. Calculation of Emissions (limit to 600 charac	cters):						
			!				
TOC = (25  gal/hr fuel useage)(138,000  BTU/g)	(al) = 3.45 MMI	3TU/hr	ļ				
(3.45 MMBTU/hr)(0.36 lb/MMBTU)			i				
(1.24 lb/hr)(3120 hrs/yr) / 2000 lb/tor	n = 1.93  ton/hr						
11. Pollutant Potential Emissions Comment (lim		•					
Emissions from Diesel Generator Subject to 6	52-296.320 FAC						
Allowable Emissions Allowable Emissions	of						
1. Basis for Allowable Emissions Code:		ective Date of Allowa					
62-296.320 FAC		Initial Compliance					
3. Requested Allowable Emissions and Units:	4. Equivalent	Allowable Emission	s:				
< 20% Opacity	1	b/hour t	ons/year				
5. Method of Compliance (limit to 60 character	rs):	-					
=	Initial and Annual EPA Method 9 Compliance Testing						
6 Allowable Emissions Comment (Desc. Of O	nerating Method	1) (limit to 200 charac	6. Allowable Emissions Comment (Desc. Of Operating Method) (limit to 200 characters):				
o. Throwade Emissions Comment (2000. C. C.	peraning incurs	1) (11111111111111111111111111111111111	eters):				
			cters):				
1			cters):				
			cters):				

DEP Form No. 62-210.900(3) - Instructions

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

1 77 91 9 1 1 0 1	
1. Visible Emissions Subtype: <b>VE</b>	2. Basis for Allowable Opacity:
	[X] Rule [ ] Other
3. Requested Allowable Opacity:	
Normal Conditions: <20% Exception	nal Conditions: <10%
Maximum Period of Excess Opacity Allow	red: 0 min/hour
4. Method of Compliance: Initial and Annua	al Visible Emissions Compliance Testing.
5. Visible Emissions Comment (limit to 200 of Visible Emissions from Diesel Generator are	· ·
	ONITOR INFORMATION ect to Continuous Monitoring)
Continuous Monitoring System: Continuous	Monitor of
Continuous Monitoring System: Continuous  1. Parameter Code:	Monitor of  2. Pollutant(s):
<u> </u>	
1. Parameter Code:	
Parameter Code:     NONE	2. Pollutant(s):
Parameter Code:     NONE      CMS Requirement:	2. Pollutant(s):
<ol> <li>Parameter Code:         NONE     </li> <li>CMS Requirement:</li> <li>Monitor Information:</li> </ol>	2. Pollutant(s):
Parameter Code:     NONE     CMS Requirement:     Monitor Information:     Manufacturer:	2. Pollutant(s):  [ ] Rule [ ] Other

DEP Form No. 62-210.900(3) - Instructions

# EMISSIONS UNIT NO. <u>8</u> of <u>10</u> DIESEL GENERATOR SET

#### G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

### **Supplemental Requirements**

1.	Process Flow Diagram
	[X ] Attached, Document ID:III [ ] Not Applicable [ ] Waiver Requested
2.	Fuel Analysis or Specification
	[ ] Attached, Document ID:[X] Not Applicable [ ] Waiver Requested
cai	n be found in supplemental secttion of application
3.	Detailed Description of Control Equipment
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
On	file at FDEP's Office
4.	Description of Stack Sampling Facilities
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
5.	Compliance Test Report
	[X ] Attached, Document ID:IV
	[X ] Previously submitted, Date: <u>03/2000</u>
	<u> </u>
	I Not Applicable
	[ ] Not Applicable
6	
6.	Procedures for Startup and Shutdown
6.	
	Procedures for Startup and Shutdown  [ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
	Procedures for Startup and Shutdown  [ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested  Operation and Maintenance Plan
7.	Procedures for Startup and Shutdown  [ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
7. <i>On</i>	Procedures for Startup and Shutdown  [ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested  Operation and Maintenance Plan  [] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
7. <i>On</i>	Procedures for Startup and Shutdown  [ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested  Operation and Maintenance Plan  [] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested  file at FDEP's Office
7. <i>On</i> 8.	Procedures for Startup and Shutdown  [ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested  Operation and Maintenance Plan  [] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested  file at FDEP's Office  Supplemental Information for Construction Permit Application  [ ] Attached, Document ID: [ ] Not Applicable  file at FDEP's Office
7. <i>On</i> 8.	Procedures for Startup and Shutdown  [ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested  Operation and Maintenance Plan  [] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested  file at FDEP's Office  Supplemental Information for Construction Permit Application  [ ] Attached, Document ID: [ ] Not Applicable  file at FDEP's Office  Other Information Required by Rule or Statute
7. <i>On</i> 8.	Procedures for Startup and Shutdown  [ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested  Operation and Maintenance Plan  [] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested  file at FDEP's Office  Supplemental Information for Construction Permit Application  [ ] Attached, Document ID: [ ] Not Applicable  file at FDEP's Office
7.  On 8.  On 9.	Procedures for Startup and Shutdown  [ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested  Operation and Maintenance Plan  [] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested  file at FDEP's Office  Supplemental Information for Construction Permit Application  [ ] Attached, Document ID: [ ] Not Applicable  file at FDEP's Office  Other Information Required by Rule or Statute  [ ] Attached, Document ID: [X ] Not Applicable
7.  On 8.  On 9.	Procedures for Startup and Shutdown  [ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested  Operation and Maintenance Plan  [] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested  file at FDEP's Office  Supplemental Information for Construction Permit Application  [ ] Attached, Document ID: [ ] Not Applicable  file at FDEP's Office  Other Information Required by Rule or Statute

EMISSIONS ID. NO. 009

Emissions From Paved / Unpaved Roads

#### III. EMISSIONS UNIT INFORMATION

#### FUGITIVE EMISSIONS FROM PAVED & UNPAVED AREAS

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

#### A. GENERAL EMISSIONS UNIT INFORMATION

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

1. Type of Emissions Unit Ad	Idressed in This Section: (Check	one)
[ ] This Emissions Unit Info process or production uni	rmation Section addresses, as a si it, or activity, which produces one finable emission point (stack or v	ingle emissions unit, a single or more air pollutants and
process or production uni	rmation Section addresses, as a sits and activities which has at leas so produce fugitive emissions.	<del>-</del> -
	rmation Section addresses, as a sits and activities which produce for	ingle emissions unit, one or more agitive emissions only.
2. Description of Emissions U	nit Addressed in This Section (li	mit to 60 characters):
areas and aggregate piles at t	this facility as well as other locat needed basis.	scenario. All paved and unpaved ions will be kept damp on a as
3. Emissions Unit Identification	on Number:	[ ] No ID
ID: <b>004</b>		[ ] ID Unknown
	12 T 22 TOV 1 D 1	3. Emissions Unit Major
1. Emissions Unit Status	2. Initial Startup Date:	1
Code:	1	Group SIC Code:
Code: NA	ASAP	1
Code: NA 4. Emissions Unit Comment: (	ASAP (Limit to 500 Characters):	Group SIC Code: 2951
Code:  NA  4. Emissions Unit Comment: ( Fugitive emissions from paved)	ASAP (Limit to 500 Characters): and unpaved areas – worst case	Group SIC Code: 2951  e scenario. All paved and
Code:  NA  4. Emissions Unit Comment: ( Fugitive emissions from paved)	ASAP (Limit to 500 Characters):	Group SIC Code: 2951  e scenario. All paved and
Code:  NA  4. Emissions Unit Comment: ( Fugitive emissions from paved unpaved areas and aggregate p	ASAP (Limit to 500 Characters): and unpaved areas – worst case	Group SIC Code: 2951  e scenario. All paved and
Code:  NA  4. Emissions Unit Comment: ( Fugitive emissions from paved unpaved areas and aggregate p	ASAP (Limit to 500 Characters): and unpaved areas – worst case	Group SIC Code: 2951  e scenario. All paved and
Code:  NA  4. Emissions Unit Comment: ( Fugitive emissions from paved unpaved areas and aggregate p	ASAP (Limit to 500 Characters): and unpaved areas – worst case	Group SIC Code: 2951  e scenario. All paved and
Code:  NA  4. Emissions Unit Comment: ( Fugitive emissions from paved unpaved areas and aggregate p	ASAP (Limit to 500 Characters): and unpaved areas – worst case	Group SIC Code: 2951  e scenario. All paved and
Code:  NA  4. Emissions Unit Comment: ( Fugitive emissions from paved unpaved areas and aggregate p	ASAP (Limit to 500 Characters): and unpaved areas – worst case	Group SIC Code: 2951  e scenario. All paved and
Code:  NA  4. Emissions Unit Comment: ( Fugitive emissions from paved unpaved areas and aggregate p	ASAP (Limit to 500 Characters): and unpaved areas – worst case	Group SIC Code: 2951  e scenario. All paved and

73

DEP Form No. 62-210.900(3) - Instructions

#### **Emissions Unit Information Section 9 of 10**

#### **Emissions Unit Control Equipment**

1. Control Equipment/Method Description (limit to 200 characters per device or method):

All unpaved roadways at this facility and other locations are and will be kept damp by water truck and sprlinker system on a as needed basis. Vehicular traffic speed will be posted and enforced at a maximum of 5 m.p.h. at all locations.

2. Control Device or Method Code(s): 099

#### **Emissions Unit Details**

1.	Package Unit: NA Manufacturer: Model Number:		7.4
2.	Generator Nameplate Rating:	MW	
3.	Incinerator Information:		
	Dwell Temperature:		°F
	Dwell Time:		seconds
	Incinerator Afterburner Temperature:		°F

#### **Emissions Unit Operating Capacity and Schedule**

1. Maximum He	at Input Rate:		
2. Maximum Inc	ineration Rate:	lb/hr	tons/day
3. Maximum Pro	ocess or Throughput Ra	ate:	
4. Maximum Pro	oduction Rate:	· · · · · · · · · · · · · · · · · · ·	
5. Requested Ma	ximum Operating Sch	edule:	
24 hours/day	7 days/week		
52 weeks/year	not to exceeed: 4000	hrs/year	
6. Operating Ca	pacity/Schedule Comm	ent (limit to 200 charac	eters):
Vehicular traffic	at this facility will no	ot be continuous 24 hrs	s/day
	•		

DEP Form No. 62-210.900(3) - Instructions

### B. EMISSION POINT (STACK/VENT) INFORMATION

## **Emission Point Description and Type**

1. Identification of Point on Plot Plan or		2. Emission Po	oint Type Code:	
Flow Diagram? 004 – Unpaved	/Paved Areas	4		
3. Descriptions of Emission Po	oints Comprising	g this Emissions	Unit for VE Tracking (limit to	
100 characters per point): N	A – Fugitive Er	nission Point		
3. ID Numbers or Descriptions	of Emission Ur	nits with this Emi	ssion Point in Common:	
	NOT APP	LICABLE		
4. Discharge Type Code:	6. Stack Heigh	ht:	7. Exit Diameter:	
${f F}$	~ 0.0 feet		Not Determinable feet	
8. Exit Temperature:	9. Actual Volu	umetric Flow	10. Water Vapor:	
~Ambient °F	Rate:		~5 %	
	Unkno	wn		
11. Maximum Dry Standard Flo	11. Maximum Dry Standard Flow Rate: 12. Nonstack Emission Point Height:			
dscfm			feet	
13. Emission Point UTM Coordinates: (@ present location, other locations UTM not				
determined as of yet.) Zone: 17 East (km): 357.8 E North (km): 3107.2 N				
14. Emission Point Comment (l	imit to 200 chara	acters):		
This emission point subject to	This emission point subject to 62-296.310 FAC Rules and Regulations.			
6				

#### **Emissions Unit Information Section 9 of 10**

## C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment \_\_\_1\_ of \_\_2\_

1. Segment Description (Pro	cess/Fuel Type)	(limit to 500 ch	aract	ers):
Fugitive emissions from p emissions related to silt con	_		_	<del></del>
scenario.	telle oil Longer, and	ys and tomicum	11 610	ille in incinty. Thouse case
scenario.				
2. Source Classification Cod	e (SCC):	3. SCC Units	;	
3050204	` /	Vehicle Mile	es Tr	raveled
4. Maximum Hourly Rate:	5. Maximum	Annual Rate:	6.	Estimated Annual Activity
NA	NA NA	I IIIIIuui Itute.	1	Factor: NA
6. Maximum % Sulfur:	7. Maximum	0/4 A sh:		Million Btu per SCC Unit:
NA	NA	70 ASII.	0.	NA
	<u> </u>			NA .
10. Segment Comment (limit	to 200 characters	3):		
		<b>.</b>		
FUGITIVE EMISSION	ONS CALCULA	ATED AT WOR	RST	CASE SCENARIO
Segment Description and Ra	ite: Segment	of		
1. Segment Description (Pro-	cess/Fuel Type )	(limit to 500 cl	araci	ters).
1. Segment Description (From	sess/ruel Type )	(IIIIII to 500 CII	iaiac	icisj.
2. Source Classification Code	• (SCC)·	3. SCC Units		
2. Source Classification Code	z (SCC).	J. See oms	•	
A M ' II I D /	5 14 :	1.72		D.A
4. Maximum Hourly Rate:	5. Maximum	Annual Rate:	6.	Estimated Annual Activity
				Factor:
7. Maximum % Sulfur:	8. Maximum	% Ash:	9.	Million Btu per SCC Unit:
10. Segment Comment (limit)	to 200 characters	3):	<b>.</b>	
		,		

DEP Form No. 62-210.900(3) - Instructions

### D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

## **Potential Emissions**

1. Pollutant Emitted: PM10	, TSP	2. Pollutant Reg	ulatory Code: EL
3. Primary Control Device		Control Device	5. Total Percent Efficiency
Code: <b>099</b>	Code:		of Control: 90.0%
6. Potential Emissions: PM1		67 ton/yr	7. Synthetically Limited?
TSP: <b>2.1</b> lb/hour <b>3.2</b>	8 tons/year		[X]YES
8. Emission Factor: 0.24 lb/V	VMT		9. Emissions Method Code:
Reference: AP-42 (S	section 13.2.1.1)	) unpaved	3
roads			
10. Calculation of Emissions (limit to 600 characters): $E = k(5.9)[s/12][S/30][W/3]^{0.7}[w/4]^{0.5}[365-P/365]$ $E = 0.36(5.9)[8.9/12][5/30][31.3/3]^{0.7}[10/4]^{0.5}[365-120/365] = 2.0 \text{ lb/VMT}$ $E = 2.0 \text{ lb/VMT (1-0.90 control efficiency fron water truck)} = 0.2 \text{ lb/VMT}$ $E_{\text{daily}} = (0.2 \text{ lb/VMT)(50 VMT/day)} = 10.0 \text{ lb/day}$ $E_{\text{year}} = [(10.0 \text{ lb/day}) / (\sim 12 \text{ hr/day}) (4000 \text{ hr/yr}) / 2000 \text{ lb/ton} = 1.67 \text{ ton/yr}$ 11. Pollutant Potential Emissions Comment (limit to 200 characters):			= 0.2 lb/VMT = 1.67 ton/yr
Allowable Emissions Allowa	ble Emissions _	1 of7	
3. Basis for Allowable Emiss RULE	ions Code:	2. Future Eff Emissions	ective Date of Allowable : NA
4. Requested Allowable Emis	ssions and Units		Allowable Emissions:
<10% Opacity			o/hr, 1.67 ton/hr
		TSP = 2.10 lb	hour, 3.28 tons/year
5 Method of Compliance (limit to 60 characters): Compliance will be achieved the such			will be achieved through
5. Method of Compliance (limit to 60 characters): Compliance will be achieved through initial and annual emissions compliance testing. Watering of roadways and stockpiles			_
will be performed as to conti	-	, ,	-
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):			

DEP Form No. 62-210.900(3) - Instructions

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

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation \_\_\_1\_\_ of \_\_\_1\_\_ 1. Visible Emissions Subtype: 2. Basis for Allowable Opacity: **VE10** [X] Rule [ ] Other 3. Requested Allowable Opacity: Normal Conditions: 10 % Exceptional Conditions: 10 % Maximum Period of Excess Opacity Allowed: NONE min/hour 4. Method of Compliance: EPA METHOD 9 5. Visible Emissions Comment (limit to 200 characters): Regulated under 62-296.320 F. CONTINUOUS MONITOR INFORMATION (Only Emissions Units Subject to Continuous Monitoring) 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: 6. Performance Specification Test Date: 5. Installation Date: 7. Continuous Monitor Comment (limit to 200 characters): **NOT APPLICABLE** 

DEP Form No. 62-210.900(3) - Instructions Effective: 2/11/99

## G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

## **Supplemental Requirements**

1.	Process Flow Diagram
-	[X ] Attached, Document ID: I [ ] Not Applicable [ ] Waiver Requested
L	
2.	Fuel Analysis or Specification
	[ ] Attached, Document ID: [X] Not Applicable [ ] Waiver Requested
	an be found in supplemental information section of application
3.	Detailed Description of Control Equipment
	[ ] Attached, Document ID: [X] Not Applicable [ ] Waiver Requested
—	n file at FDEP's Office
4.	Description of Stack Sampling Facilities
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
5.	Compliance Test Report
	[X ] Attached, Document ID: <u>IV</u>
	[X ] Previously submitted, Date: <u>03/2000</u>
	[ ] Not Applicable
6.	Procedures for Startup and Shutdown
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
7.	Operation and Maintenance Plan
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
0	n file at FDEP's Office
	Supplemental Information for Construction Permit Application
	[ ] Attached, Document ID: [ ] Not Applicable
On	file at FDEP's Office
	Other Information Required by Rule or Statute
	[ ] Attached, Document ID: [X ] Not Applicable
10	Supplemental Requirements Comment:
1 U.	Supplemental Requirements Comment:

79

EMISSIONS ID. NO. 010

**Emissions From Stock and Storage Piles** 

## III. EMISSIONS UNIT INFORMATION

#### FUGITIVE EMISSIONS FROM AGGREGATE STORAGE PILES

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

#### A. GENERAL EMISSIONS UNIT INFORMATION

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

1. Type of Emissions Unit Add	dressed in This Section: (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).				
process or production unit	rmation Section addresses, as a si ts and activities which has at leas so produce fugitive emissions.			
	rmation Section addresses, as a si ts and activities which produce fu	ngle emissions unit, one or more agitive emissions only.		
6. Description of Emissions Un	nit Addressed in This Section (lin	mit to 60 characters):		
		scenario. All paved and unpaved ill be kept damp on a as needed		
	n Number	[ ] No ID		
3. Emissions Unit Identification ID: 005	n Number.	[ ] ID Unknown		
ID: <b>005</b> 5. Emissions Unit Status Code:	6. Initial Startup Date:	L 3		
ID: 005  5. Emissions Unit Status Code: NA	6. Initial Startup Date:  ASAP	7. Emissions Unit Major Group SIC Code:		
ID: 005  5. Emissions Unit Status Code: NA  8. Emissions Unit Comment: ( Fugitive emissions from Aggre	6. Initial Startup Date:  ASAP	7. Emissions Unit Major Group SIC Code: 2951  aario. All aggregate piles at this		

DEP Form No. 62-210.900(3) - Instructions

#### **Emissions Unit Information Section 10 of 10**

#### **Emissions Unit Control Equipment**

5. Control Equipment/Method Description (limit to 200 characters per device or method):

All aggregate stockpiles at this facility and other locations will be kept damp by water truck and sprlinker system on a as needed basis.

2. Control Device or Method Code(s): 099

#### **Emissions Unit Details**

1.	Package Unit: NA		
	Manufacturer: Model Number:		
2.	Generator Nameplate Rating:	MW	
3.	Incinerator Information:	•	
ĺ	Dwell Temperature:		°F
	Dwell Time:		seconds
	Incinerator Afterburner Temperature:		°F

#### **Emissions Unit Operating Capacity and Schedule**

1. Maximum He	eat Input Rate:		
2. Maximum In	cineration Rate:	lb/hr	tons/day
3. Maximum Pr	ocess or Throughput F	Rate:	
4. Maximum Pr	oduction Rate:		
7. Requested M	aximum Operating Sc	hedule:	
24 hours/day	7 days/week		
52 weeks/year	not to exceeed: 400	0 hrs/year	
8. Operating Ca	pacity/Schedule Comi	ment (limit to 200 charac	ters):
Aggregate Hand	lling at this facility w	ill not be continuous 24	hrs/day

DEP Form No. 62-210.900(3) - Instructions

## B. EMISSION POINT (STACK/VENT) INFORMATION

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

1. Identification of Point on Plot Plan or		6. Emission Po	ont Type Code:	
Flow Diagram? 005 – Conveyor Drops,		4		
Loader Operations			<u> </u>	
3. Descriptions of Emission Po	oints Comprising	g this Emissions (	Init for VE Tracking (limit to	
100 characters per point): N	A – Fugitive Ei	mission Point		
7. ID Numbers or Description	s of Emission U	nits with this Emi	ssion Point in Common:	
	NOT APP	LICABLE		
8. Discharge Type Code:	6. Stack Heig	ht:	7. Exit Diameter:	
F	~ <b>0.0</b> feet		Not Determinable feet	
8. Exit Temperature:	9. Actual Vol	umetric Flow	10. Water Vapor:	
~Ambient °F	Rate:		~5 %	
	Unkno	own		
11. Maximum Dry Standard Flo	ow Rate:	12. Nonstack Er	nission Point Height:	
	dscfm		feet	
13. Emission Point UTM Coordinates: (@ present location. UTM's for other locations have				
not been determined as of yet	)			
Zone: 17 E	ast (km): 362.2	E Nortl	n (km): 3004.0 N	
	` /			
14. Emission Point Comment (I	imit to 200 char	acters):		
`	This emission point subject to 62-296.310 FAC Rules and Regulations.			

DEP Form No. 62-210.900(3) - Instructions

## C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 2

1. Segment Description (Process/Fuel Type) (limit to 500 characters):				
Fugitive emissions from agg emissions related to fugitives from prevailing winds.	regate stockpile	s and conveyor	r belt	ts (Material Handling)
12. Source Classification Code	e (SCC):	13. SCC Units	3:	
3050207, 305020	• /	Area of stoc	kpil	es / tons of products
14. Maximum Hourly Rate:	15. Maximum	<u> </u>		Estimated Annual Activity
NA.	NA			Factor: NA
16. Maximum % Sulfur: NA	17. Maximum S	% Ash:	18.	Million Btu per SCC Unit:
10. Segment Comment (limit)	1	٠.٠	<u>.L.</u> _	1121
10. Segment Comment (mmt.	10 200 Characters	·)·		
FUGITIVE EMISSIO	ONS CALCULA	TED AT WO	RST	CASE SCENARIO
	J. 10 0112002.			
Segment Description and Ra	ite: Segment	of		
1. Segment Description (Process/Fuel Type) (limit to 500 characters):				
Source Classification Code (SCC):     3. SCC Units:				
2. Domos Canoniamon Color	, (888).	3. 500 0		
4. Maximum Hourly Rate:	5. Maximum A	Annual Rate:	6.	Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum 9	% Ash:	9.	Million Btu per SCC Unit:
				r F
10. Segment Comment (limit)	10. Segment Comment (limit to 200 characters):			
		<i>)</i> -		

DEP Form No. 62-210.900(3) - Instructions

#### D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

#### **Potential Emissions**

1. Pollutant Emitted: PM10, TSP 2	. Pollutant Regulatory Code: EL
3. Primary Control Device 4. Secondary Co Code: 099 Code:	ontrol Device 5. Total Percent Efficiency of Control: 90.0%
6. Potential Emissions: PM10 : <b>0.20 lb/hr, 0.4</b> TSP = <b>0.42 lb/hr, 0.86</b>	
6. Emission Factor: Reference: AP-42 (Section 13.2.4.2)	9.Emissions Method Code: 3
7. Calculation of Emissions (limit to 600 charate $E = k(0.0032) [u/5]^{1.3} [M/2]^{1.4}$ $E = 0.35(0.0032) [7/5]^{1.3} / [0.7/2]^{1.4} = 0.0081 \text{ lb/t}$ E = 250  ton/hr  (0.0081  lb/ton) = 2.03  lb/hr E = (2.03  lb/hr)(1-0.90  collector efficiency) (~200  lb/hr) / (~200  hr/yr) / (~200	on 24 hr/day) = 4.87 lb/day
8. Pollutant Potential Emissions Comment (lim Aggregate Storage Piles & Conveyor Drops – F 62-296.700 (2)(e)(f)	, , , , , , , , , , , , , , , , , , ,
Allowable Emissions Allowable Emissions	_1 of7
7. Basis for Allowable Emissions Code: RULE	Future Effective Date of Allowable     Emissions: NA
8. Requested Allowable Emissions and Units: <10% Opacity	9. Equivalent Allowable Emissions: PM10: 0.20 lb/hr, 0.41 ton/hr

6. Allowable Emissions Comment (Desc. Of Operating Method) (limit to 200 characters):

5. Method of Compliance (limit to 60 characters): Compliance will be achieved through initial and annual emissions compliance testing. Watering of stockpiles will be performed

TSP = 0.42 lb/hr, 0.86 ton/yr

as to control fugitive emissions at all sites.

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

Visible Emissions Limitation: Visible Emiss	ions Limitationl ofl
1. Visible Emissions Subtype:	2. Basis for Allowable Opacity:
VE10	[X] Rule [ ] Other
3. Requested Allowable Opacity:	1.0 11: 40.0/
, <u>-</u>	nal Conditions: 10 %
Maximum Period of Excess Opacity Allow	ed: NONE min/hour
4. Method of Compliance: EPA METHOD 9	
	1
5. Visible Emissions Comment (limit to 200 c	haracters):
Regulated under 62-296.320	
	NITOR INFORMATION
(Only Emissions Units Subj	ect to Continuous Monitoring)
Continuous Monitoring System: Continuous	Monitor of
1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	Rule Dther
•	
4. Monitor Information:	
Manufacturer:	0 111
Model Number:	Serial Number:
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200	
7. Continuous Monitor Comment (mint to 200	characters).
NOT APPLICABLE	

DEP Form No. 62-210.900(3) - Instructions

### G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

### **Supplemental Requirements**

1.	Process Flow Diagram
	[X ] Attached, Document ID:_III[ ] Not Applicable [ ] Waiver Requested
_	To 1 A of the Constitution
۷.	Fuel Analysis or Specification
~-	[ ] Attached, Document ID: [X] Not Applicable [ ] Waiver Requested
	nn be found in supplemental information section of application
3.	Detailed Description of Control Equipment
_	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
	i file at FDEP's Office
4.	Description of Stack Sampling Facilities
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
<u>.</u>	
5.	Compliance Test Report
	[X ] Attached, Document ID:IV
	[X ] Previously submitted, Date: <u>03/2000</u>
	[ ] Not Applicable
6.	Procedures for Startup and Shutdown
	[ ] Attached, Document ID: [X ] Not Applicable [ ] Waiver Requested
7.	Operation and Maintenance Plan
	[ ] Attached, Document ID: [X] Not Applicable [ ] Waiver Requested
Oi	n file at FDEP's Office
8.	Supplemental Information for Construction Permit Application
	[ ] Attached, Document ID: [ ] Not Applicable
On	file at FDEP"s Office
9.	Other Information Required by Rule or Statute
	Attached, Document ID: X Not Applicable
10	[ ] Attached, Document ID: [X ] Not Applicable  Supplemental Requirements Comment:

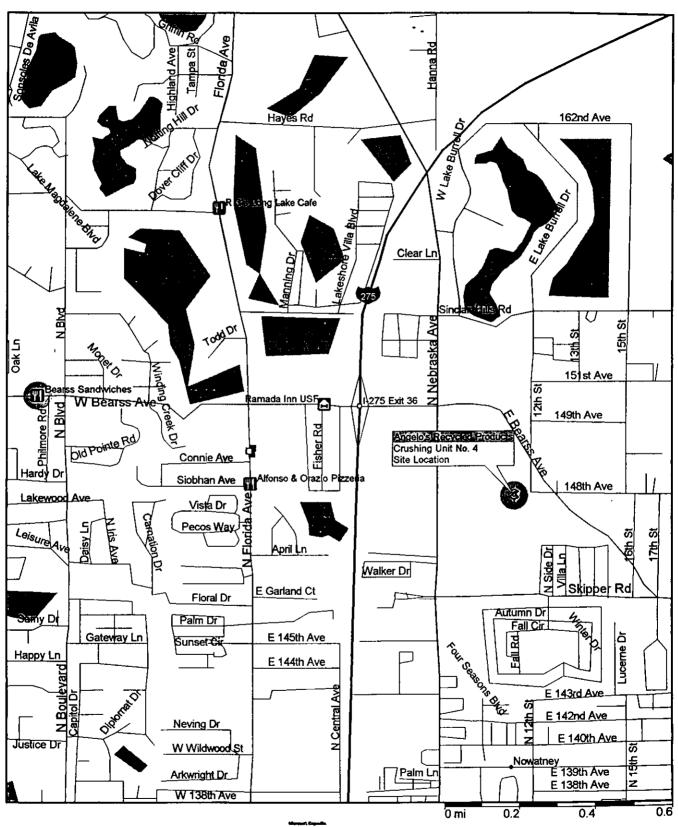
DEP Form No. 62-210.900(3) - Instructions

## TABLE OF CONTENTS

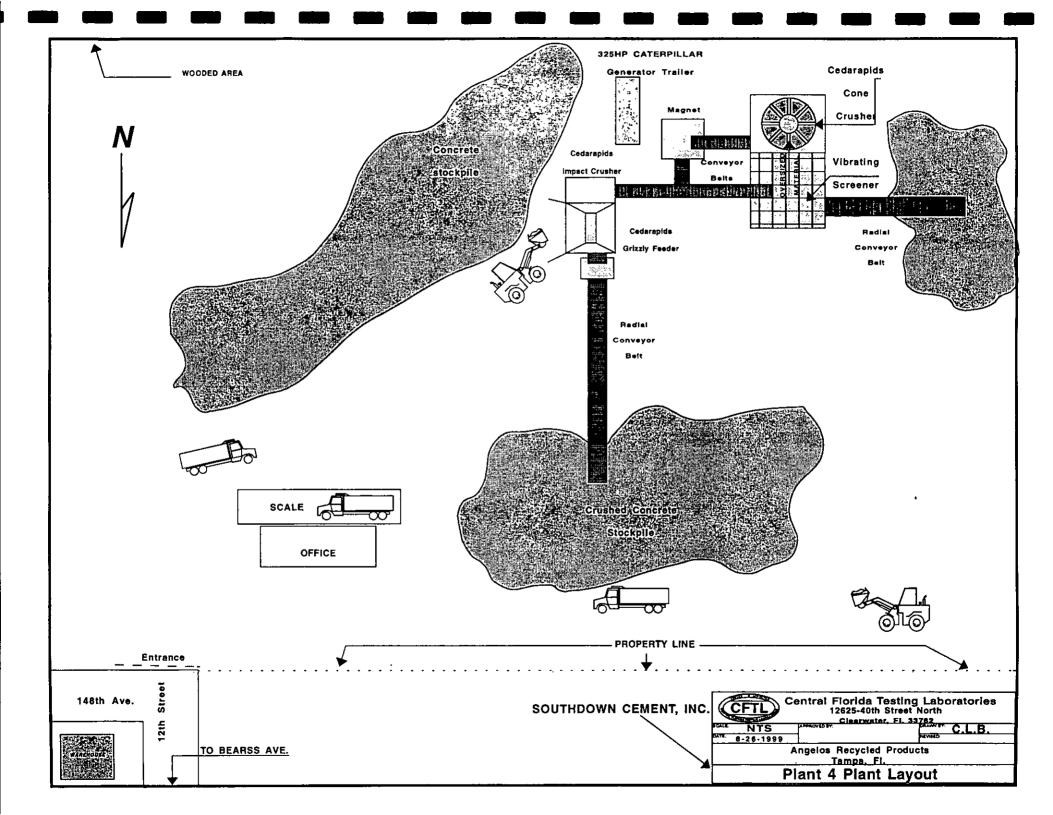
- I. AREA MAP OF CRUSHER LOCATION AT TIME OF COMPLIANCE TESTING
- II. TYPICAL FACILITY PLOT PLAN
- III. SUPPLEMENTAL INFORMATION
  - A. Initial Visible Emission Tests
  - **B.** Process Weight Determination
  - C. Fuel Analysis (Generator)
  - D. Plant Operation & Maintenance Logs

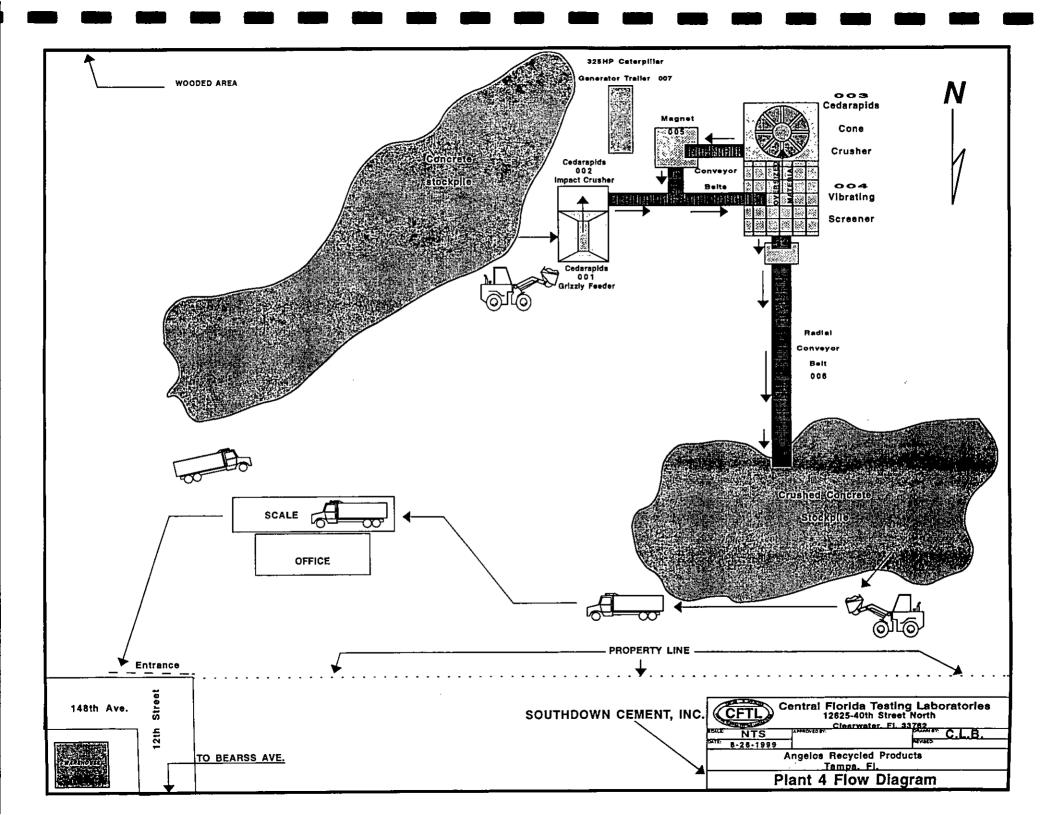
I. AREA MAP OF CRUSHER LOCATION AT TIME OF COMPLIANCE TESTING

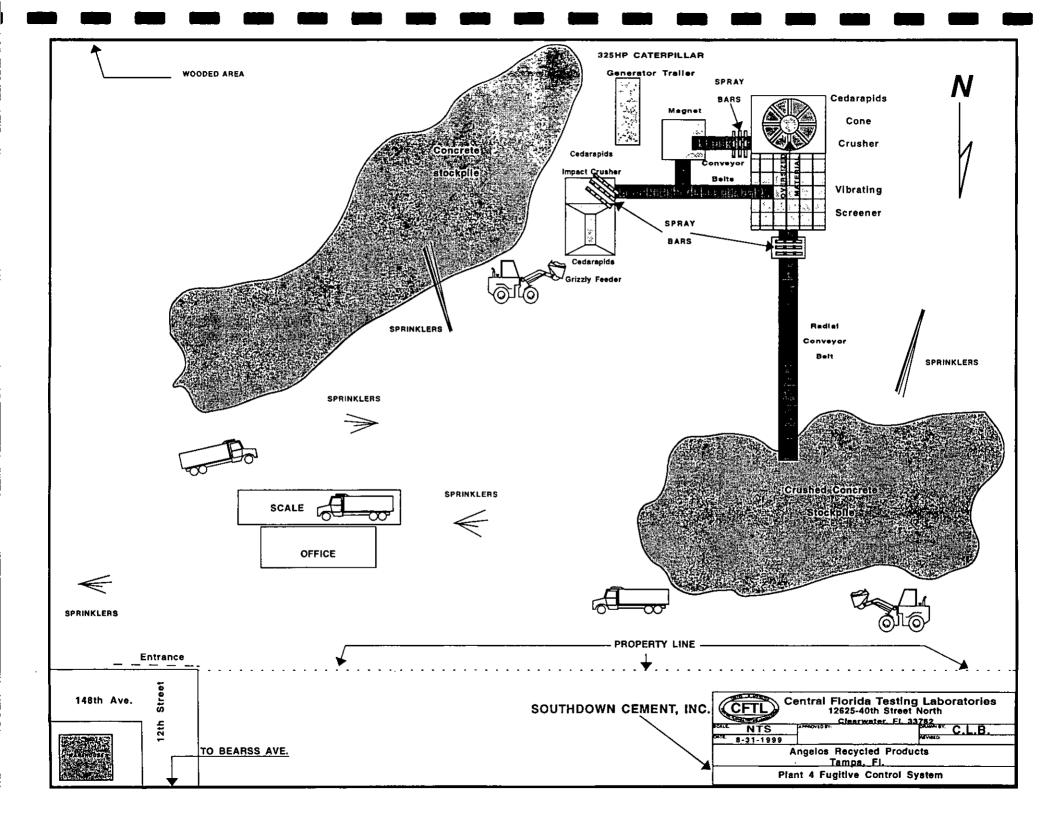
# ANGELO'S RECYCLED MATERIALS PORTABLE RECLAIMED CRUSHING PLANT NO.4

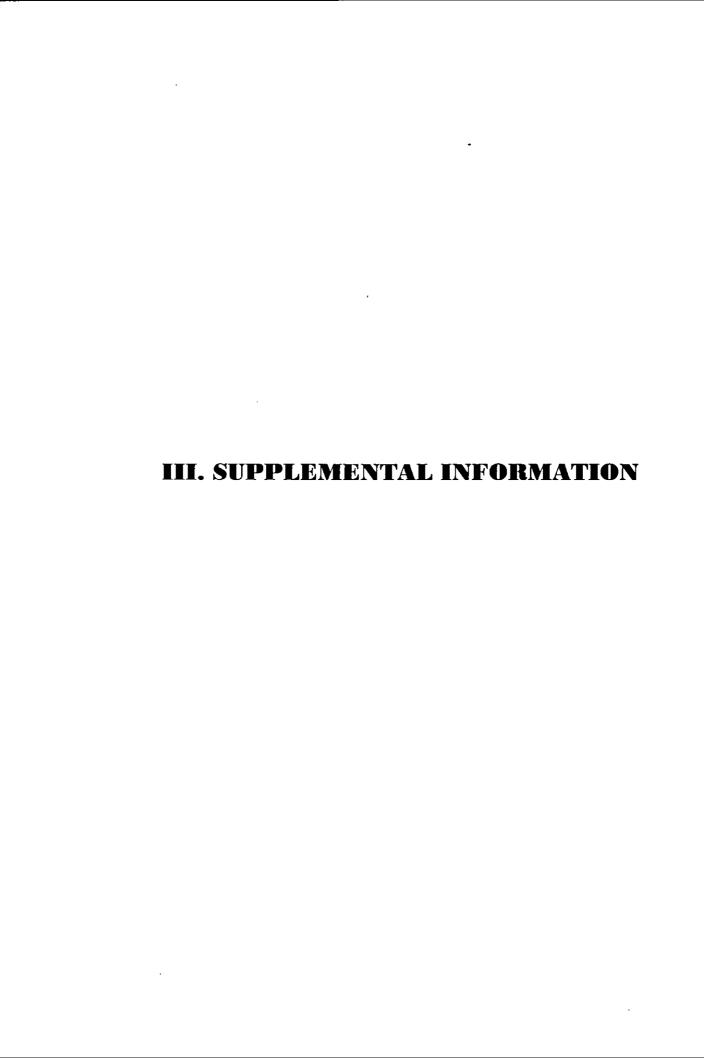


II. TYPICAL FACILITY PLOT PLAN









III. SUPPLEMENTAL INFORMATION
A. Initial Visible Emission Tests



## CENTRAL FLORIDA TESTING LABORATORIES, INC.

VISIBLE EMISSIONS OBSERVATION FORM

F.P. 101- Happer | Feeder

WETHOR LICED (CIRCLE ONE)	LI UUI MOPPE	1/ceae	
METHOD USED (CIRCLE ONE)  METHOD 9 203A 203B OTHER:	RM NUMBER	PAGE / OF /	
Angelo's Recycled Materials, Inc Plant No.4	CONTINUED ON YEO NUMBER		
1201 East 148th Avenue Tampa	04-04-2000 1	1:35:00 an 11:34:45 am	
MAILING ADDRESS Post Office Box 1493	sec 0 15 30 45	MIN 0 15 30 45	
Largo STATE ZIP 33779	0000	31 0 0 0 0	
PHONE/KEY CONTACT SOURCE PERMIT NUMBER 7775092-001-AC	0000	32 0 0 0 0	
	0000	33 0 0 0 0	
PROCESS EQUIPMENT CONTROL OPERATING ADDITION OF THE CONTROL OPERATING ADDITION OPERATING MODE.	0000	34 0 0 0 0	
water Spray par system 50-52 psi	0000	35 0 0 0 0	
At top of feeding hopper where loader	0000	36 0 0 0 0 37 0 0 0 0	
dunus Material & Material Vibrated to crusher	0000	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
DISTANCE TO EMISS. PT. DIRECTION TO EMISS. PT. (DEGREES)	0000	39 0 0 0 0	
HEIGHT OF EMISS PT.  START STA	0000	40 0 0 0	
VERTICAL ANGLE TO OBS. PT. DIRECTION TO OBS. PT. (DEGREES)	10000	41 0000	
APPROX. DISTANCE AND DIRECTION FROM PMISS, PT. TO OBSERV. PT	20000	42 0 0 0 0	
DESCRIBE EMISSIONS	30000	43 0 0 0 0	
START POPE END NOTE  EMISSION OR WATER DROPLET PLUME	40000	44 0 0 0 0	
START NONE END NONE ATTACHED DETACHED X NONE	50000	45 0 0 0 0	
DESCRIBE PLUME BACKGROUND START SKY END SKY	60000	46 0 0 0 0	
START DILLE END BILLE START CLEAN END CLEAN	70000	47 0 0 0 0	
START O-2ngh END O-2ngh START North END North	80000	48 0 0 0 0	
START - F END 44.37 WET BULB TEMP. PERCENT BH	90000	49 0 0 0 0	
DRAF SOUTH CE LAYOUT SKETCH DRAW NORTH ARROW	00000	50 0 0 0 0	
Cecle! Crystag MAGNETIC TRUE	10000	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	
Dissile 1 Radial#2	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	53 0 0 0 0	
Chicke RAMP	40000	54 12 0 0 0	
DECEP	50000	55 0 000	
15 H	60000	56 0 0 0 0	
OBSERVER'S POSITION	70000	57 0 0 0 0	
SIDE VIEW  STACK WITH PLUME	80000	58 0 0 0 O	
PLUME SUN D	90000	59 0 0 0 0	
SUN LOCATION LINE WIND	00000	60 0 0 0 0	
LAT: LONG: DECLINATION	ERACE OPACITY HI	GHEST SIX MINITEDIATERVAL	
No Abjectionable adors. No funitives	OBSERVER'S NAME (PRINT) Bernard A. Ball, Jr.		
descript. annuals inafered & stock piles	0856 75 7 77 17 17 18 1 1 1 1 1 1 1 1 1 1 1 1 1		
See former Weight Sorting for Ph)=	ORGANIZATION Central Florida Testing Laboratories, Inc.		
deternition durin tect I make	E.T.A Tampa DATE 2/2000		
Concisted At Mucrobe & Assight	million - tulii		



## CENTRAL FLORIDA TESTING LABORATORIES, INC.

VISIBLE EMISSIONS OBSERVATION FORM

F.P. SOZ - JAW Crusher

METHOD USED (CIRCLE ONE)	Di von Ouv Ciusi ci			
METHOD 9 203A 203B OTHER:	FORM NUMBER PAGE OF			
Angelo's Recycled Materials, Inc Plant No.4	CONTINUED ON VEO NUMBER			
STREET ADDRESS CITY	085 EXY TIME ODOR 11:34:4	STA		
1201 East 148th Avenue   Tampa	seq 0 15 30 45 seq 0 15 30	45		
Post Office Box 1493	mar -	0		
Largo Florida 33779				
PHONE/KEY CONTACT SOURCE PERMIT NUMBER 7775092-001-AC		0		
PROCESS FOURMENT COMMENT CONTAINS MODE	3 0 0 0 0 33 0 0 0	<u>0</u>		
Crushing Intervolution See Delow OPERATING MODE	40000340000	2		
Water Spray Bar System 50-52 psi	5 0 0 0 0 35 0 0 0	0		
BOHOM Of Cruster where noterial	60000360000	2		
* /* /	70000370000	2		
DISTANCE TO EMISS. PT. DIRECTION TO EMISS. PT. (DEGREES)	8 0 0 0 0 38 0 0 0 0	2		
START END START END BEIGHT TO EMISS. PT. (DEGREES)  HEIGHT OF EMISS PT.  HEIGHT TO EMISS PT. REL. TO OBSERVER	90000390000	ク		
START END START END	10 0 0 0 0 40 0 0 0	9		
START END START 200 END CORS. PT. (DEGREES)	11 1000041 1000	<u>ラ</u>		
APPROX. DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV. PT	12 0 0 0 0 42 0 0 0	0		
DESCRIBE EMISSIONS	13 0 0 0 0 43 0 0 0	7		
START NONE END NONE				
START ONE NONE ATTACHED DETACHED NONE	15 0 0 0 45 0 0 0	7		
DESCRIBE PLUME BACKGROUND	16 0 00 0 46 0 0 0 0	5		
[BACKGROUND COLOR /\		$\lesssim$		
START CHOW END CHO START CLEON END CHON		f		
STARTO-ZALOU END U-LALON START NOTEL END NOTEL	18 0 0 0 0 48 0 0 0 0	$\stackrel{\prime}{\frown}$		
AMBIENT TEMPERATURE 44.10 WET BULB TEMP. PERCENT BY	19 0 0 0 0 49 0 0 0			
COLINCIP LAYOUT SKETCH DRAW NORTH ARROW		$\frac{\mathcal{O}}{\mathcal{O}}$		
Recele TRUE		$\stackrel{\circ}{\sim}$		
Trailer Manual Region (	22 0 0 0 0 52 0 0 0	<u> </u>		
Chuker discharge Ration	23 0 0 0 0 53 0 0 0	<u>2</u> _		
	24 0 0 0 0 54 0 0 0	<u>2</u>		
	25 0 0 0 0 55 0 0 0	<u> </u>		
<u> </u>	26 0 0 0 0 56 0 0 0 0	2_		
OBSERVER'S POSITION FT	27 0 0 0 0 57 0 0 0 0	<u>2</u> _		
SIDE YIEW	28 0 0 0 0 58 0 0 0	0		
STACK WITH PLUME	29 0 0 0 0 59 0 0 0	2		
SUN UNID SUN WIND	30 0 0 0 0 60 0 0 0	0		
LAT: LONG: DECLINATION	AVERAGE OPACHAN HIGHEST SIX MINUTE INTERVAL			
ADDITIONAL INFORMATION / / / / /	OBSERVER'S NAME (PRINT)			
No objectionable odors, no traitures detected	Bernard A Ball, Jr.			
ground à stockpiles wotared. See Hoxess	Process 085 DINCHA JULY 94/4/2000			
Weight Jection of Test for PW = Determination				
Mossing alived amont and acal H	CERTIFIED BY E.T.A Tampa DATE/2000			
LIUSANY MIXEL CONCIELE ON CONTROLL	L. I.A Tampa   A			



VISIBLE EMISSIONS OBSERVATION FORM

MUR CHISHET METHOD USED (CIRCLE ONE) FORM NUMBER 203A 203B OTHER: PAGE METHOD 9 OF CONTINUED ON VEO NUMBER COMPANY NAME Angelo's Recycled Materials, Inc. - Plant No.4 OBSERVATION DATE END TIME 10:29:45 av 30. 1201 East 148th Avenue Tampa SEC MAILING ADDRESS 0 45 15 30 15 0 30 45 мім Post Office Box 1493 1 0 Ô 31 0 0 Florida 33779 Largo 32 0 2 0 SOURCE PERMIT NUMBER 7775092-001-AC PHONE/KEY CONTACT 0 0 33 3 Portable See Below PROCESS EQUIPMENT COOPER Cruskiky leni Control fourment Water Spri 34 4 5 35 Đ 36 6 0 0 DESCRIBE EMISSION Yisker Where 007 D 37 7 nsterial CK 38 8 DIRECTION TO EMISS. PT. (DEGREES)
START 302° END 30 DISTANCE TO EMISS. PT. 302 END , 39 9 HEIGHT TO EMISS, PT. REL. HEIGHT OF EMISS BT. 40 10 END DIRECTION TO OBS. TO OBS. PT. 41 11 END END START END
START OF END
START OF END 42 12 START VE READ atop of cours rusher 13 43 DESCRIBE EMISSIONS 44 14 Ø 0 WATER DROPLET PLUME Tôñe END NO NE ATTACHED ☐ DETACHED NONE 0 0 45 15 DESCRIBE PLUME BACKGROUND O Ó 46 START SKY BACKGROUND COLOR START DIVE 16 SKY CONDITIONS Ō  $\mathcal{O}$ 47 17 START CLEON START O- ZMOL WIND DIRECTION
START WOTHER
WET BULB TEMP. 48 END NOTTE 18 49 AMBIENT TEMPERATURE 19 ٥ 50 20 SOURCE LAYOUT SKETCH DRAW NORTH ARROW MAGNETIC TRUE 51 21 -screenes 0 52 0 53 23 Gentle ! 54 24 55 25 chiere 56 26 OBSERVER'S POSITION 57 27 SIDE VIEW 58 28 STACK PLUME 59 29 Φ SUN SUN LOCATION LINE 30 60 WIND NINUTE INTERVAL LAT: DECLINATION LONG 10 10 OBSERVER'S NAME (PRINT) Bernard A. Ball, Jr. Central Florida Testing Laboratories, Inc. prala 12000 CERTIFIED BY E.T.A. - Tampa



VISIBLE EMISSIONS OBSERVATION FORM

						وع	<u> </u>	<u>''V'</u>	brah	<u>\~g 5</u>	eree	NET
METHOD USED (CIRCLE ONE) METHOD 9 20	3A 203B OTHER:		FORM I	UMBER				P	AGE	<u>/ °</u>	F	
COMPANY NAME Angelo's Recycled Ma	aterials, Inc Pla	ant No.4		UED ON		UMBER				<u></u>		
street Address 1201 East 148th Avei	CITY			ATION		81		RT TIMI	AM		TIME	an
MAILING ADDRESS Post Office Box 1493	ituo Tampa		SEC	0	15	30	45	SEC	0	15	30	45
CITY	Florida zii	33779	1	0	0	0	<u>る</u>	31	0	0	0	0
Largo PHONE/KEY CONTACT	SOURCE PERMIT NUMBER		2	0	$\overline{\mathcal{O}}$	Ŏ	Ø	32	0	Ŏ	Ó	0
	7775092-001-		3		0	0	8	33	0	0	O	3
PROCESS EQUIPMENT CEDARA SE Portable Conting Un CONTROL EQUIPMENT	STAC. OPERAT	e Below	4	0	(3	0	0	34	0	ð	0	3
		FING MODE	5	0	0	0	0	35	0	$\bigcirc$	0	8
Water Spray Bor :			6			3	3	36	$\bigcirc$	0	0	0
Dauble Deck Vib	nating Scheen	ور	7	$\overline{\Delta}$	7	$\mathcal{L}$	7	37	A	ð	<u>7</u>	0
DISTANCE TO EMISS. PT.	DIRECTION TO EMISS. PT. (D	EGREES)	8	8	$\mathcal{C}$	0	7	38	Ø	Ŏ	0	0
START 57 END 57	START 966 (NUL) END	3060 (Mm)	9	$\sim$	$\mathcal{L}$	0	최	39	<u></u>	3	<u>(1)</u>	3
START ~/2' END ~/2'	START START END	~ g	10	<u> </u>	$\sim$	0	8	40	0	0	Ŏ	7
VERTICAL ANGLE TO ORS PT	DIRECTION TO OBS. PT. (DEC	REES)	11	0	8	0	ठा	41	0	0	Ŏ	0
START TO END TO			12	<u>(7)</u>	Ŏ	$\delta$	ঠা	42	カ	0	Ō	ð
DESCRIBE EMISSIONS	n end ~6 above top	xreen	13	· (7)	Ø	3	3	43	0	$\overline{\wedge}$	0	7
START NONE EMISSION COLOR	END JOHO		14	0	3	0	সা	44	B	0	0	0
START NONE END NONE		HED X NONE	15	$\bigcirc$	$\overline{\mathcal{A}}$		8	45	$\bigcirc$	Ö	Ŏ	0
DESCRIBE PLUME BACKGROUND	END CLOAP Blu	سع حاس	16	$\overline{C}$	8	0	0	46	0	0	3	2
START CLEAN Blue Sky BACKGROUND COLOR	SKY CONDITIONS	O loa -	17	0	8		ð	47	0	0	<u></u>	ð
START Blue END Blue WIND SPEED	WIND DIRECTION		18	0	7	0	0	48	2	0	0	3
START # - 2 - L END # 2 MC	WET BULB TEMP. P.	ND NOTH	19	Ŏ	3	Ŏ	0	49	0	3	0	Š
START 58.40 F END 42.00 F		41%	20	(7)	<u>~</u>	0	8	50	Ŏ	0	Ŏ	8
Radial SOURCE LA	YOUT SKETCH IN RADIAL E	MAGNETIC X TRUE	21	Ö	8	D	<u>a</u>	51	Ŏ	0	Õ	0
OBSERV	ATION		22	0		0	Ø	52	0	0	0	0
Constitution	Corperate		23	0	Q	0	0	53	0	Q	$ \bigcirc $	0
		sive	24	0	0	0	0	54	$\bigcirc$	0	0	3
ار المرابع الم		12/	25	0	0	0	0	55	0	0	O	$\bigcirc$
One say	ا ا	FT	26	0	Q	0	0	56	0	0	$\bigcirc$	2
140.)	ER'S POSITION	57 FT	27	0	9		0	57	0	0	0	ð
		ACK (ITH O	28	0	0	0	0	58	0	0	0	0
<u></u>	/ PL	UME +	29	0	3	0	0	59	0	Q	0	$\bigcirc$
SUN LOCATION LIN	r l	IND	30	0	0	0	0	60	0	0	0	0
LAT: LONG:	DE	CLINATION	AVERA	GE OPAC	ITY (	3%	' нісні	EST SIX	MINUTE	INTERV	/AL	
Additional information  No objectionable odors	nor fugitives o	letected.	OBSERV	ER'S NA	ME (PRI	NT)	risto	pher	L, E			
	thon of test for			EPS SI			11	<i></i>	<del></del>	DATE	<u> </u>	000
1.1	test frounds a		ORGANI	ZATION entr		orida	Test	ina 1	Tabou	-7-77 ratori		
	ds consisted of		CERTIF	ED DV		Ta				DATE	12-2	
strckpiles watered. Las	CONSIDER OF	CONCIENCE									<u>~~ ^</u>	



VISIBLE EMISSIONS OBSERVATION FORM

TESTING US	EPOOS "Magnet"
METHOD USED (CIRCLE ONE)  METHOD 9 203A 203B OTHER:	FORM NUMBER PAGE OF
COMPANY NAME Angelo's Recycled Materials, Inc Plant No.	CONTINUED ON VEO NUMBER
1201 East 148th Avenue Tampa	OBSERVATION DATE START TIME END TIME 4-4-2000 9:31:00 AM 10:30:45 AM
MAILING ADDRESS Post Office Box 1493	sed 0 15 30 45 sed 0 15 30 45
CITY STATE ZIP	1 0 0 0 0 31 0 0 0
Largo Florida 33779 PHONE/REY CONTACT SOURCE PERMIT NUMBER	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
PHONE/KEY CONTACT SOURCE PERMIT NUMBER 7775092-001-AC	
PROCESS EQUIPMENT Cadorapids, Ind., OPERATING MODE	$= \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Portable Conshine Unit #4 #See Beld OPERATING MODE	
DESCRIBE EMISSION PT. System 50-52 psi	5 00 00 35 0000
Metal separator magnet @ discharge and	F 6 000036000
	1,00,00,000
DISTANCE TO EMISS. PT. DIRECTION TO EMISS. PT. (DEGREES)	80000380000
START ~25 END ~25 START 319 (NW) END 319 (NE HEIGHT OF EMISS PT. REL. TO OBSERVER	<u> </u>
START NT END NT START N3 END NB	
START 2 END 2 START 3190 (NW) END 3190 (NG) APPROX. DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV. PT	<u> </u>
START FEAL & belt drop pt, end road @ belt drop p	<u> </u>
DESCRIBE EMISSIONS	$\neg   13                                  $
START NONC END NOCE EMISSION COLOR WATER DROPLET PLUME	<u> </u>
START NON E END NON E ATTACHED DETACHED EN	DNE 15 0 0 0 0 45 0 0 0 0
START Plant Machinery END Plant Machiner	y 16 0 0 0 0 46 0 0 0 0
START CTOY END Gray START Clear END Clear WIND SPEED WIND DIRECTION From	
START O- 2mph END O-2mph START North END NOM	1 18 0 0 0 0 48 0 0 0 0
START 38, 4° F END 42.0° F	19   0   0   0   0   49   0   0   0   0
SOUR PLAYOUT SKETCH DRAW NORTH A	RROW 20 0 0 0 0 0 0
- Constant	TRUE 21 0 0 0 51 0 0 0
BAR WING Radio	22 0 0 0 0 52 0 0 0
Magnet Woint Company Company Company	
Jours 34	24 0 0 0 0 54 0 0 0 0
Crusher-	- 25 0 0 0 0 55 0 0 0 0
FT FT	1 26 0 0 0 0 56 0 0 0 0
OBSERVER'S POSITION	27 0 0 0 0 57 0 0 0 0
STACK WITH O	28 0 0 0 0 58 0 0 0 0
PLUME	29 00 0 0 59 0 0 0 0
SUN SUN WIND	30 0000000000
LAT: LONG: DECLINATION	
ADDITIONAL INFORMATION	OBSERVER'S NAME (PRINT)
No objectionable odors nor Fugitives detector	Christopher L. Briley
SAR Process Weight soction of test for Tu	OBSERVER'S SIGNATURE STATE 4-4-2000
deformination during test, brounds and	Central Florida Testing Laboratories, Inc.
stockpiles watered. Loads consisted of concretand asphalt.	CERTIFIED BY E.T.A Tampa DATE 2-22-2000



RAY FLORIDA TESTING LABO VISIBLE EMISSIONS, OBSERVATION, FORM - Radiol Stacker No. / METHOD USED (CIRCLE ONE) FORM NUMBER 203 B OTHER: CONTINUED ON VEG NUMBER Angelo's Recycled Materials, Inc. - Plant No.4 9:30:00 arc OBSERVATION DATE END TIME ADDRESS 10:29:45 and 1201 East 148th Avenue **Tampa** MAILING ADDRESS 0 15 30 45 0 15 30 45 MIN Post Office Box 1493 1 31 337<u>79</u> Florida Largo 0 0 2 0 0 32 7775092-001-AC PHONE/KEY CONTACT 0 0 3 33 PROCESS EQUIPMENT CONTROL FOR PUBLIC SHOWS PORT OF THE PUBLIC STORY PT. Portable See De OW 4 34 5 35 0 6 D 36 7 0 37 Radiol 0 0 38 8 DISTANCE TO EMISS. PT.
START EN
HEIGHT OF EMISS PT.
START 20 EN END 280° START 20 END 200 SERVER END 0 39 END 4/7 START ~/ 10 40 END START END START OBSERV PT.

APPROX. DISTANCE AND DIRECTION FROM EMISS. Pt. TO OBSERV PT.

START POWE END POWE END PROMISE EMISSION COLOR START OF END 11 0 0 41 0 42 12 13 43 44 14 WATER DROPLET PLUME EMISSION COLOR
START NONE END NONE ATTACHED DETACHED NONE 45 15 DESCRIBE PLUME BACKGROUND
START 16 46 BACKGROUND COLOR START UE WIND SPEED SKY CONDITIONS
START CLAY
WIND DIRECTION
START FEMP 17 47 END North 18 48 100 19 0 49 0 50 20 SOURCE LAYOUT SKETCH DRAW NORTH ARROW 0 0 MAGNETIC X TRUE 21 51 Joshadial Stacker 0 52 22 0 23 53 cone\_ 0 24 0 54 fæder t Maga 25 55

FT

FT

Ф

SIDE VIEW

STACK PLUME

SUN

26

27

28

29

30

WIND LAT: LONG: DECLINATION leterninatist. Crushing nived concre asphalt for test

OBSERVER'S POSITION

ped

SUN LOCATION LINE

AVERAGE OPACKTY Bernard A. Ball, Jr.

56

57

58

59

60

HIGHEST SIN WHOLE INTERVAL

0

C

ORGANIZATION Central Florida Testing Laboratories, Inc. DATE CERTIFIED BY ^#*12000* E.T.A. - Tampa



VISIBLE EMISSIONS OBSERVATION FORM

CORIDA TESTING LABOR						"R	adio	1 ===	2"
METHOD USED (CIRCLE ONE)  METHOD 9 203A 203B OTHER:	FORM NUM	MBER			P	AGE	1 0		
COMPANY NAME Angelo's Recycled Materials, Inc Plant No.4	CONTINUED	D ON VEO	NUMBER						
1201 East 148th Avenue Tampa	OBSERVATI	10N DATE	100		35.0	OAN		TIME	-am
MAILING ADDRESS Post Office Box 1493	- cea	0   15	30	45	SEC	0	15	30	45
CITY STATE ZIP	1 (	100			31		$\bigcirc$		
Largo Florida 33779 PHONE/KEY CONTACT SOURCE PERMIT NUMBER	2 (	ৰসি		73	32	1	×	6	<u>あ</u>
7775092-001-AC	2		181	$\forall$	33	5	>		
PROCESS EQUIPMENT Caderapids, Tre. OPERATING MODE	4 (	$\frac{2}{2}$	+	$\frac{1}{1}$	34	$\frac{4}{1}$	$\langle \cdot \rangle$	$\prec$	
Partable Cousting Unit #4 # See Below OPERATING MODE	5 (			$\mathcal{A}$	35	$\frac{\mathcal{O}}{\mathcal{O}}$	$\frac{\mathcal{O}}{\mathcal{O}}$		
Water Spray Bar System 50-52 psi DESCRIBE EMISSION PT.	<del></del>	$\mathcal{A}\mathcal{A}$	12	$\frac{\mathcal{L}}{\mathcal{L}}$		$\mathcal{L}$	$\frac{\mathcal{L}}{\mathcal{L}}$	$\mathcal{L}$	2
Finished material radial discharge	6 (	ÖĞ		Q	36	$\mathcal{Q}$	Q		Q
	7 (		10	Q	37		<u>Q</u>	9	Q
CONVEYOR BELL #2.  DISTANCE TO EMISS. PT. (DEGREES)	8 (	90		0	38	<u>·O</u>	$\mathcal{O}$	$\triangle$	0
START 72 END 72 START 2940 WAW END 2944 WAW HEIGHT OF EMISS PT. HEIGHT TO EMISS. PT. REL. TO OBSERVER	9 6	90		$\Delta \mathbf{L}$	39	(C)	0	0	0
START N20' END N20' START N/6' END W/6'	10	200		<u> </u>	40		$\bigcirc$	0	(3)
VERTICAL ANGLE TO OBS. PT.   DIRECTION TO OBS. PT. (DEGREES)	11 (	00	0	0	41	0		0	6
START 70 END 70 START 2940 (WASH) END 2940 (WASH) APPROX. DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV. PT	12 (	A 8	1	8	42	0	A	0	5
START read @ belt drop pt. END read @ belt drop pt.  DESCRIBE EMISSIONS	13	オオ	1/	ā	43	$\nearrow$	7		7
START ONE END NONE EMISSION COLOR WATER DROPLET PLUME	14 /	$\nearrow$	171	XI	44	$\mathcal{N}$	$\overline{\wedge}$		1/3
START None and None Tatached Detached None	15		4	$\beta$	45	0	$\mathcal{A}$	$\frac{\mathcal{L}}{\mathcal{L}}$	
DESCRIBE PLUME BACKGROUND	<del>                                     </del>	<del>2   S  </del>	+5/1	$\frac{1}{2}$			$\frac{\mathcal{L}}{\mathcal{L}}$	8	
START CLEAT Blue Sky END CLEAT Blue Sky BACKGROUND COLOR SKY CONDITIONS	16 (	$\frac{20}{2}$	18	$\mathcal{L}$	46		$\frac{\mathcal{S}}{\mathcal{S}}$	$\frac{\mathcal{L}}{\mathcal{L}}$	$\mathcal{L}$
START Blue END Blue START Clear END CLEAT WIND SPEED WIND SPEED	17		40	$\mathcal{A}$	47	9	Q	$\frac{\mathcal{C}}{\mathcal{C}}$	Ç
START 0-2 molend 2-2mpl START NOTH END NOTH  AMBIENT TEMPERATURE WET BULB TEMP. PERCENT RH	18	<u>ي</u> انِ		Q	48	<u> </u>	$\mathcal{Q}$	$\mathcal{Q}$	
AMBIENT TEMPERATURE START 42.0° F END 44.3° F  WET BULB TEMP. PERCENT RH 45%	19 (			0	49	0	$\Box$	<u>رن</u>	Q
	20 (	00	0	$\alpha$	50	0	0	0	0
MAGNETIC MITTUE	21 (			8	51	0	0	0	0
OBSERVATION	22 (	7) 7		0	52	0	$\mathcal{O}$	$\bigcirc$	Ø
POINT	23 (	70		A	53	(3)	<u>(1)</u>	7	0
hand 2	24	対方		M	54	$\overline{A}$	7	A	X
View	25 (	利汤	4 🗡	Al	55	$\forall$	$\overline{\lambda}$	7	1
	26 (	$\prec \mid \prec$	181	XI	56		A	$\sim$	X
OBSERVER'S POSITION 72' FT	<del></del>		$+$ $\times$ $+$	$\forall$	57	$\frac{\mathcal{S}}{\mathcal{S}}$	$\stackrel{>}{>}$	$\frac{}{}$	+
SIDE VIEW	27 (	S		$\frac{\mathcal{L}}{\mathcal{L}}$		$\mathcal{C}_{\mathcal{A}}$	$\bigcirc$	$\mathcal{L}$	
STACK WITH PLUME	28 (	$\Im   \mathcal{Q} $	<u> 1 오</u>	$\mathcal{A}$	58	욋	$\mathcal{L}$	$\frac{1}{2}$	<del>Q</del>
	29 (		10	$\mathcal{Q}$	59	$\mathcal{A}$	$\mathcal{G}$	0	2
SUN LOCATION LINE WIND	30 (	O(O)		$\mathcal{O}$	60	$\mathcal{O}$	$\cup$	<u>ں</u>	
LONG: DECLINATION	AVERAGE (	OPACITY	0%	/ HIGH	EST SIX	MINUTI	O Z	YAL	
No objectionable odors not Fugitives detected.	OBSERVER'S	'S NAME (P	RINT) Ch	risto	pher	L. E	Briley	,	
See Process weight section of test for PW=	OBSERVE	'S SIGNATU		1			W-4		000
determination during test frounds and	ORGANIZAT	πιος ntral F	lorida	Teet	inn	<del>/</del>		_	
	CERTIFIED	n v	A T				DATE 2-2		
stockpiles watered. Loads consisted of concretely		<u> </u>	M I	ашра	1		7.7X	jtpl	000_



VISIBLE EMISSIONS OBSERVATION FORM

DIESEL GENERATOR EP-207

METHOD USED (CIRCLE ONE) METHOD 9 203A 203B OTHER:	FORM NUMBER PAGE OF
COMPANY NAME	CONTINUED ON VEO NUMBER
Angelo's Recycled Materials, Inc Plant No.4	OBSERVATION PATE DOO START TIME OAN 11:34:350
1201 East 148th Avenue Tampa	SEQ 0 15 30 45 SEQ 0 15 30 45
Post Office Box 1493	1 0 0 0 0 31 0 0 0 0
Largo Florida 33779	2 / 0 0 0 32 0 0 0 0
7775092-001-AC	3 0 0 0 0 33 0 0 0 0
PROCESS EQUIPMENT CONTROL PONCOS PONCOS OPERATING MODE  CONTROL EQUIPMENT  CONTROL EQUIPMENT  OPERATING MODE	4 0 0 0 0 34 0 0 0 0
CONTROL FOUNDMENT OPERATING MODE	5 0 0 0 0 35 0 0 0 0
	6 0 0 0 0 36 0 0 0 0
DESCRIBE EMISSION PT.	70000370000
of diesel trailer	8 0 0 0 0 38 0 0 0 0
DISTANCE TO EMISS. PT. DIRECTION TO EMISS. PT. (DEGREES) 20 START 2 END 22 START 232 END 2320	90000390000
HEIGHT OF EMISS PT.  START END START END START	10 0 0 0 0 40 0 0 0 0
VERTICAL ANGLE TO OBS. PT. DIRECTION TO OBS. PT. (DEGREES)  START END START 22 END 23  APPROX DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV. PT	11 0 0 0 0 41 0 0 0 0
APPROX. DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV PT	12 0 0 0 0 42 0 0 0 0
DESCRIBE EMISSIONS . A	13 0 0 0 0 43 0 0 0 0
START HESE VAPOIS END HESE VAPOIS EMISSION COLOR WATER DROPLET PLUME	14 0 000 44 0 600
START CICAL END CLEAT ATTACHED DETACHED NONE	15 0 0 0 0 45 0 0 0 0
START SELECTION SELECTIONS SELECT	16 0000 46 0000
START CHE END CHEN START CHEN END CHEN	17 0 0 0 0 47 0 0 0 0
START - 2 MAK END D- ALOK START NORTH END NORTH	18 0 0 0 0 48 0 0 0 0
AMBIENT TEMPERATURE	19 0 0 0 6 49 0 0 0 0
COLID CE TAVOLIT CHETCH DRAW NORTH ARROW	20 0 0 0 0 50 0 0 0
TARRETTE WIRDS	21 0 0 0 0 51 0 0 0 0
DOBSERVATION TEACHER N	22 0 0 0 32 0 0 0
Descriptor wind	
Trailer	24 0 0 0 0 54 0 0 0
$\Pi \sim 7$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
OBSERVER'S POSITION 92 FT	
SIDE VIEW	
STACK WITH OF PLUME	28 0 0 0 0 58 0 0 0 0 29 0 0 0 0 59 0 0 0
SUN 10C4TION LINE	
WIND	AVERAGE OPACITY HIGHEST SIX MINUTE INTERVAL
LAT: LONG: DECLINATION  ADDITIONAL INFORMATION	0%
Generator @ Max for testing purpos	Bernard A Ball, Jr.
No objectionable agors, no fugitive	TIMATA CA SALLA H. 104/4/2000
Generator consuming No. Z Minin	Central Florida Testing Laboratories, Inc.
Diesel firel @ 10.Z 010 /ler.	CERTIFIED BY E.T.A Tampa
The state of the s	

III. SUPPLEMENTAL INFORMATION
B. Process Weight Determination



(800)248-CFTL

(727)572-9797

#### ANGELO'S RECYCLED MATERIALS, INC.

Reclaimed Asphalt & Concrete Crushing Unit No.4 Initial Emissions Compliance Test Determination of Process Weight

	Run	Ti	me	Total Material Crusi	ied (weigh bridge)
Date	No.	Start	Stop	Start	Stop
04/04/00	V.E.	9:15 a.m.		0.0	
l				ı	
		1		· ·	
			11:45 a.m.		→ 490.5

#### PROCESS WEIGHT

**Total Tons Crushed** 

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

Pw = Total Crushing Time

Run No.IVE (490.5) tons

Pw = \_\_\_\_\_ = 196.2 ton/hr
2 hour 30 minutes

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

Mr. Richard Bazinet, Director of Florida Operations

III. SUPPLEMENTAL INFORMATION C. Fuel Analysis (Generator)

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

# ASTM MEMBER REPORT OF LABORATORY ANALYSIS

LAB NO, ML 8504

SAMPLE MARKED: STK 407 after"Mekhanik Yunya

LOCATION: Coastal Refini SAMPLE SUBMITTED BY: Inter	ng&Marketing Inc	Port Manatee
SAMPLE DESCRIPTION:	DIESEL HIGH	SULFUR
**************************************	1400	DCOLU T
TEST	METHOD	RESULT
API GRAVITY AT 60 F	D1298	33.3
ACID NO.	D974	858.2
DENSITY, kg/L AT 15 C	D1298	
FLASH PT, F, PMCC	D93	172
SEDIMENT & WATER, VOL.%	D2709	0
VISCOSITY AT 40 C cSt	D445	3.77
VISCOSITY AT 122 F,cSt	D445	3.05
S.U.S. VISCOSITY AT 100 F	D445	39.1
CLOUD PT., F	D2500	+10
POUR POINT, F	D97	0
SULFUR, WT.%	D4294	0.27
ASH, WT.%	D482	0.001
APPEARANCE	D4176	1-pass
B.T.U./ GAL. HHV/	D240	139953
DYE,PPM/PTB	DT-100	12.3/4.3
NITROGEN, PPM	D4629	~
COMPATIBILITY, SPOT NO.	D4740	
CORROSION, COPPER	D130	1a-
CCR 10% BOTTOMS WT.%	D189	0.05
CETANE INDEX, CALCULATED	D976	48
PARTICULATES, mg/L	D2276	7.7
ACCELERATED STABILITY	D2274	
DUPONT STABILITY	DuPont	2
DISTILLATION, IBP	D86	380
10% RECOVERED	D86	460
50% RECOVERED	D86	546
90% RECOVERED	D86	630
FINAL BOILING POINT	D86	688
RECOVERY	D86	99.0
RESIDUE	D86	1.0
LOSS	D86	0.0
TRACE METALS	<u>AA</u>	
ALUMINUM, PPM		<0.1
CALCIUM, PPM		<u> </u>
LEAD, PPM		<0.1
SODIUM, PFM	<u></u>	<0.1
VANADIUM, PPM		<0.1

MARIE F. CALHOON, CHEMIST

III. SUPPLEMENTAL INFORMATION
D. Plant Operation &
Maintenance Logs

Date	Hours of Operation Crusher Start Stop	Total Hours of Operation Crusher		Water Pressure to Spray Bars (PSI)	Hours of Operation Diesel Generator Start Stop	Total Hours of Operation Generator	Total Gallons Fuel Used (Dally)	Water Truek Operation Start Stop	Reason Water Truck was not operating	Maintenance Performed & Operating Comments
Mon. 1/3/00	ספיבו בסידו פך:3 סב:בו	8	107/	60	700 3:30	82	51:	sprinklen	5	
Tues.							· .			
Wed.										
Thurs.							·			
Fri. 1/7							7			
Sat.									7	
Sun.										
Weekly Totals:		8	IFOI			8.5	51			

Date	Hours of Operation Crusher Start Stop		Total Material Crushed (tons)	Water Pressure to Spray Bars (PSI)	Hours of Operation Diesel Generator Start Stop	Total Hours of Operation Generator	Total Gallons Fuel Used (Dally)	Water Trück Operation Stert Step		Maintenance Performed & Operating Comments
Mon. 1/10	730 930	2	250	60	730 830	ΦŽ	12,			
Tues.	D	0	Ri	N				67		
Wed.	D	$\mathcal{L}^{\circ}$	W	R			<u>.</u>	1K		·
Thurs.	730 - 1200 1230 <b>4</b> 30	8/2	14 73	60	7:3 <i>0</i> 4:30	9	54	111		
Fri.	7:30 12:00 12:30 400	9	664	ت ن	770 .	84	5/:	20		
Sat.									,	
Sun.										
Weekly Totals:		18.5	<i>778</i> 3	<b>P</b>		1912	117	•		9

Date	Hours of Operatio Crusher Start Stop	Total Hours of Operation Crusher	Total Material Crushed (tons)	Water Pressure to Spray Bars (PSI)	Hours of G Diesel G Start	•	Total Hours of Operation Generator	Total Gations Fuel Used (Daily)	Water Truck Operation Start Stop	Reason. <del>Water Truck</del> was <del>not opera</del> ting	Maintenance Performed & Operating Comments
Mon.	7:30 12:00	9	1033	60	7:30	: 5: <b>0</b> 0	9-2	57	sprinkler 9 L	s on rs	
Tues.	7:30-120	6/2	1289	60	7.30	2:30	7.	42	Sprinkle 5 H	ers on	·
Wed.	8-00-120 12-30-43	;; ;}	1033	60	800	* १३०	8/2	51-D	DW	N	
Thurs.	7:30 12:0 12:30 Suc	9	1787	60	7:35	5.00	95	5 7	Sprinkle 7.5 Sprinkle 4.0	ers on Shrs	
ri. Vz1	8:00 12:0	72	1329	LO	7.00	400	9	54,	sprinkle 4.0	rs on	
Sat.	· .										
Sun.						,					
Weekly Totals:		32	5438			•	35	210			

Date	Hours of Operation Crusher Start Stop	Total Hours of Operation Crusher	Total Material Crushed (tons)	Water Pressure to Spray Bars (PSI)	Hours of Operation Diesel Generator Start Stop	Total Hours of Operation Generator	Total Gallons Fuel Used (Daily)	Water Truck Operation Start Stop	Reason Water Truck wa <del>s not operati</del> ng	Maintenance Performed & Operating Comments
Mon. V24	DOWN						:			
Tues.	1:00	31/2	515	60	12:30 4:30	4	24	57	3HRS	
Wed. 1/26	17:30 1:30 8:60 17:00	15	963	8	f:30 	6	36	17	2.5 HPS	
Thurs.	9:00 12:00 1:00 4:30	612	1151	S	9:00 4:30	71/2	42	10/1	5hrs	
138	8:00 1:30	51/2	1024	60	8:00 1:30	6	36	05	3 lis	
Sat.	Down									
\\\ 30	Down									
Weekly Totals:		20.5	3653	i.		23.5	T38			

		Total	Total	Water		Total	Tatal Oillana		_	Maintenance
	Hours of Operation Crusher	Hours of Operation	Material Crushed	Pressure to Spray	Hours of Operation Diesel Generator	Hours of Operation	Total Gallons Fuel Used	Water Truck Operation	Reason Water Truck	Performed & Operating
Date	Start Stop	Crusher	(tons)	Bars (PSI)		Generator	(Dally)	Start Stop	was not operating	Comments
Mon. 1/31										
Tues.		٠.				1				
$\frac{\text{Wed.}}{2/2}$										
$\frac{1}{2}$										
2/4			(				·			
$\frac{2}{5}$										
3un. 2/6										
Weekly Totals:					α's			i i	e L	

	Hours of Operation Crusher	Total Hours of Operation	Total Material Crushed	Water Pressure to Spray	Hours of Operation Diesel Generator	Total Hours of Operation	Total Gallons Fuel Used	Water Truck Operation	Reason Water Truck	Maintenance Performed & Operating
Date	Start Stop	Crusher	(tons)	Bars (PSI)		Generator	(Daily)	Start Stop	was not operating	Comments
2/7										
Tues.							:			
Q/q										
Thurs. 2/i0										
2/11										
Sat.			\							
3/13		\ /								
Weekly Totals:				F	ē					a l

Date	Hours of Operation Crusher Start Stop	Total Hours of Operation Crusher	Total Material Crushed (tons)	Water Pressure to Spray Bars (PSI)	Hours of Operation Diesel Generator Start Stop	Total Hours of Operation Generator	Total Gallons Fuel Used (Dally)	Water Truck Operation Start Stop	Reason Water Truck was not operating	Maintenance Performed & Operating Comments
2 1 h										, "
Tues. 2   15						,				
2 16										
Thurs.						7				·
2/18			(							
3/19										
Sun.										·
Weekly Totals:				B						

Date	Hours of Operation Crusher Start Stop	Total Hours of Operation Crusher	Total Material Crushed (tons)	Water Pressure to Spray Bars (PSI)	Hours of Operation Diesel Generator Start Stop	Total Hours of Operation Generator	Total Gallons Fuel Used (Daily)	Water Truck Operation Start Stop	Reason Water Truck was not operating	Maintenance Performed & Operating Comments
Mon. 2/21	Start Stop	Oraștici	(tolio)	<u> </u>	otare cop	Concrator	(Duny)	otalit Gop	was not a peracing	- Johnnenes
Tues.	:						:			
Wed.							1			
Thurs.					(			)		
~/2A 5.										
2/25 Sat.										
3/26	\					:	:			
and a										
Weekly Totals:							·			

Date	Hours of Operation Crusher Start Stop	Total Hours of Operation Crusher	Total Material Crushed (tons)	Water Pressure to Spray Bars (PSI)	Hours of Operation Diesel Generator Start Stop	Total Hours of Operation Generator	Total Gallons Fuel Used (Daily)	Water Truck Operation Start Stop	Reason Water Truck was not operating	Maintenance Performed & Operating Comments
2/28							, , ,			
Tues.										,
Wed. 3/										
Thurs.					1					
3/3										
3/4						:	·			•
$\frac{3}{5}$		>								
Weekly Totals:				•						

Date	Hours of Operation Crusher Start Stop	Total Hours of Operation Crusher	Total Material Crushed (tons)	Water Pressure to Spray Bars (PSI)	Hours of Operation Diesel Generator Start Stop	Total Hours of Operation Generator	Total Gallons Fuel Used (Dally)	Water Truck Operation Start Stop	Reason Water Truck was not operating	Maintenance Performed & Operating Comments
3/6/80										
3/7/ <sub>00</sub>								1		
3/8/00						ر				
Thurs.								)		
3/10/00										
Sat.							-			
3/12/00										
Weekly Totals:							·			

Date	Hours of Operation Crusher Start Stop	Total Hours of Operation Crusher	Total Material Crushed (tons)	Water Pressure to Spray Bars (PSI)	Hours of Operation Diesel Generator Start Stop	Total Hours of Operation Generator	Total Gallons Fuel Used (Dally)	Water Truck Operation Start Stop	Reason Water Truck was not operating	Maintenance Performed & Operating Comments
3/ <sub>13</sub> / <sub>00</sub>										
Tues. 3/J4/ /00										
3/15/ /00										
Thurs. 3/16/ 00										
5/17/00										
Sa) 3/18/ /00										
3/19/ 00		·/	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				·			
Weekly Totals:					•					

Date	Hours of Operation Crusher Start Stop	Total Hours of Operation Crusher	Total Material Crushed (tons)	Water Pressure to Spray Bars (PSI)	Hours of Operation Diesel Generator Start Stop	Total Hours of Operation Generator	Total Gallons Fuel Used (Daily)	Water Truck Operation Start Stop	Reason Water Truck was not operating	Maintenance Performed & Operating Comments
Mon. 3 20 /		,								
Tups. 3/21/00										
Wed. 3/22/ 00			,							
Thurs.										
5/24/ 00										
Sat. 3/25/ /25									1	
34. 126/00										
Weekly Totals:					ÿ					

Date	Hours of Operation Crusher Start Stop	Total Hours of Operation Crusher	Total Material Crushed (tons)	Water Pressure to Spray Bars (PSI)	Hours of Operation Diesel Generator Start Stop	Total Hours of Operation Generator	Total Gallons Fuel Used (Daily)	Water Truck Operation Start Stop	Reason Water Truck was not operating	Maintenance Performed & Operating Comments
Mgr. 3/27/ /00	Down									
Tues. 3/28/ /00	Down						.: .:			
3/29/ 00	Down									
Thurs. 3/30/ 00	Down									·
[5]/31/00	8:00 12:00 12:30 1:30	5	500	40	_	_		sprinkles	. 4 Krs	
Sat.	Down									
Sun. 4/ <sub>2</sub> /00	Down		<u> </u>							
Weekly Totals:		5	500							

Date	Hours of Operatio Crusher Start Stop	Total Hours of Operation Crusher	Total Material Crushed (tons)	Water Pressure to Spray Bars (PSI)	Hours of Operation Diesel Generator Start Stop	Total Hours of Operation Generator	Total Gallons Fuel Used (Dally)	Water Truck Operation Start Stop	Reason Water Truck was not operating	Maintenance Performed & Operating Comments
Mon. 4/3/ 00	9:00 12:0 12:30 3:32	6	700	40		ĺ		sprinkler 5.0		
Tues. 4/ /4/	7:00 12:00 1230 <b>3</b> 30 7:00 13:0	8/2	800	40	_			sprinkler	replace the rom.	bolti in fin wire
73/00	7:00 12:0 12:30 3:00	8	750	40				sprinkler 8.0	Jone lock	- Shyrore wir
Thyrs. 4/6/00	7:00 120 1230 5:00	94	1000	40	)		. }	sprinkler 7.5		
7/7/00	7:00 10:00	(	600	40	-	<del>-</del> -		sprinkler 5.0	straight maynet	belt or
00/8/ 00/8/	3	$\wedge$					:			
\$un, 4/9/ 00	) 03	<b>\</b>								
Weekly Totals:		38	3350		<b>Q</b>					

Date		Operation sher Stop	Total Hours of Operation Crusher	Total Material Crushed (tons)	Water Pressure to Spray Bars (PSI)	Hours of Operation Diesel Generator Start Stop	Total Hours of Operation Generator	Total Gallons Fuel Used (Daily)	Water Truck Operation Start Stop	Reason Water Truck was not operating	Maintenance Performed & Operating Comments
Mon. 4/10/ 00	15:30 15:30	3:30	8	1000	49				sprinkles	plate loose on clean up, jaw	the jaw. join.
Tues. 4/11/00	15:30 8:30	3:30 12:00	61/2	900	40	-	1	· ·	sprinkles 5.5	Straight the the plate under Jaw	nagnet, bolt i new the
Wed. 4/1)/ 00	17:30 J.60	3:∞ 17:00	7/2	<b>8</b> 35	40		1		sprinkles	clean the stee set the scule, under near the	I in the converge, well the place may net
Thurs. 4/13/ /00	OØ:f	9:00	$\alpha$	186	40	1	1			Toggle plate	
4/14/ 00	Do	ωn							}		
\$# 1/15/ 00	Dou	7 <i>U</i>									
\$16/00	DO	$\omega \cap$						:			
Weekly Totals:			24.	2921		9		•			

Date	Hours of Crus		Total Hours of Operation Crusher	Total Material Crushed (tons)	Water Pressure to Spray Bars (PSI)	Hours of Operation Diesel Generator Start Stop	Total Hours of Operation Generator	Total Gallons Fuel Used (Dally)	Water Truck Operation Start Stop	Reason Water Truck was not operating	Maintenance Performed & Operating Comments	
Mon. 4/17/ /00	12:30 13:30	3:30 17:00	8	685	40		<del></del>		sprinkles	No ram, no r In and Out 180 C out o	magnet, theram.	
Tues. 4/18/ 00	13:30 3:00	3:30 13:00	8	1200	40				sprinkles	Crusher plug Steel, secon	, clean	nk o
wed. 4/19/ /00	8:00	15:00	4	600	40			· ·	sprinkles	Clean up, fix magnet, clea	wiper, fix netal.	
Thurs. 1/20/ 00		!							11 0			••
#21/ 1/21/												
\$at. 4/22/ /00											•	
\$\frac{\\$\pi\}{23}/ \\$\loo												
Weekly Totals:												