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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

Identification of Facility

1. Facility Owner/Company Name: **ANGELO'S RECYCLED MATERIALS, INC.**	
2. Site Name: **ANGELO'S RECYCLED MATERIALS, INC. - RECLAIMED CRUSHING UNIT NO. 4**	
3. Facility Identification Number: [ ] Unknown	
4. Facility Location: Street Address or Other Locator: **1201 E. –148th Avenue (3/4 mile south of Bearss Avenue)** City: **Tampa** County: **Hillsborough** Zip Code: **33613**	
5. Relocatable Facility? [X] Yes [ ] No	6. Existing Permitted Facility? [ ] Yes [X] No

Application Contact

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

Application Processing Information (DEP Use)

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

Purpose of Application

Air Operation Permit Application

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

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

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

Current construction permit number: **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: _____

Air Construction Permit Application

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

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

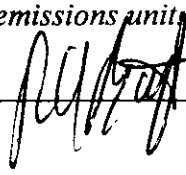
[ ] Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.

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

Owner/Authorized Representative

1. Name and Title of Owner/Authorized Representative:
   Mr. 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  Date 4-25-00

* Attach letter of authorization if not currently on file.

Professional Engineer Certification

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

4. Professional Engineer Statement:

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

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

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

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

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

Signature

4-21-00
Date

(seal)

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

Scope of Application

Emissions Unit ID	Description of Emissions Unit	Permit Type	Processing 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		

Application Processing Fee

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

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

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)**

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.

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): **357.8** North (km): **3107.2**			
2. Facility Latitude/Longitude: Latitude (DD/MM/SS): **28°05'40" N** Longitude (DD/MM/SS): **82°26'50" W**			
3. Governmental Facility Code: **O**	4. Facility Status Code: **ACTIVE**	5. Facility Major Group SIC Code: **14**	6. Facility SIC(s): **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

1. Name and Title of Facility Contact: **Mr. Richard A. Bazinet, Director of Florida Operations**
2. Facility Contact Mailing Address: Organization/Firm: **Angelo's Recycled Products, Inc.** Street Address: **Post Office Box 1493** City: **Largo** State: **Florida** Zip Code: **33779**
3. Facility Contact Telephone Numbers: Telephone: **(904) 527-9671** Fax: **(727) 586-5676**

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 Emitted	2. Pollutant Classif.	3. Requested Emissions Cap lb/hour	tons/year	4. Basis for Emissions Cap	5. Pollutant Comment
PM10	**SM**	**NA**	**NA**	**RULE**	**<10% opacity from drop points, storage**
PM	**SM**	**NA**	**NA**	**RULE**	**Piles, <15% from crusher**
SO2	**SM**	**NA**	**NA**	**RULE**	**Emissions from diesel generator**
NOx	**SM**	**NA**	**NA**	**RULE**	**Subject to opacity limitations only**
CO	**SM**	**NA**	**NA**	**RULE**	**FAC 62-296.310**
TOC	**SM**	**NA**	**NA**	**RULE**	"

C. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Area Map Showing Facility Location: [X] Attached, Document ID:___I____ [ ] Not Applicable [ ] Waiver Requested
2. Facility Plot Plan: [X] Attached, Document ID:__II_____[ ] Not Applicable [ ] Waiver Requested
3. Process Flow Diagram(s): [X] Attached, Document ID:__III_ [ ] Not Applicable [ ] Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: [ ] 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:

EMISSIONS ID. NO. 001

200 TPH Cedarapids – Grizzly Feeder

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).

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

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

2. Description of Emissions Unit Addressed in This Section (limit to 60 characters):
Cedarapids Inc. – Raw Material Recieving Hopper / Vibrating Grizzly Feeder System – used to feed uncrushed material to crusher.

3. Emissions Unit Identification Number:
ID: **001**
[ ] No ID
[ ] ID Unknown

3. Emissions Unit Status Code:	4. Initial Startup Date:	5. Emissions Unit Major Group SIC Code:
ACTIVE	**UNKNOWN**	**14**

6. Emissions Unit Comment: (Limit to 500 Characters):

THIS AGGREGATE PROCESSING UNIT WILL CRUSH AND SCREEN ASPHALT ONLY, THEREFORE EMISSIONS WILL BE NIL TO NONE FROM THIS EMISSIONS UNIT. SHOULD ANY OCCUR THE MATERIAL WILL BE SPRAYED AS TO CONTROL ANY EMISSIONS GENERATED.

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

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

Emissions Unit Details

1. Package Unit: **RAW MATERIAL RECEIVING HOPPER / VIBRATING GRIZZLY 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

1. Maximum Heat Input Rate: mmBtu/hr
2. Maximum Incineration Rate: lb/hr tons/day
3. Maximum Process or Throughput Rate: **200 TPH AS RAW (UNCRUSHED) RECLAIMED ASPHALT OR CONCRETE**
4. Maximum Production Rate: **200 TPH AS 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
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.

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 Flow Diagram? **001 (Grizzly Feeder)**	2. Emission Point Type Code: **4**	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): **NONE**		
3. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: **NONE**		
4. Discharge Type Code: **F**	6. Stack Height: feet	7. Exit Diameter: feet
8. Exit Temperature: °F	9. Actual Volumetric Flow Rate: acfm	10. Water Vapor: %
11. Maximum Dry Standard Flow Rate: dscfm	12. Nonstack Emission Point Height: **~15** FEET	
13. Emission Point UTM Coordinates: **(Relocatable source 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 ALL**		

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): **30502511**	3. SCC Units: **TONS OF PRODUCT PROCESSED**	
4. Maximum Hourly Rate: **200 tph**	5. Maximum Annual Rate: **624,000 ton**	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: **NA**	8. Maximum % Ash:	9. Million Btu per SCC Unit:
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):		

Emissions Unit Information Section __1__ of _10____

Pollutant Detail Information Page __1__ of _1____

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: **PM, PM10**	2. Pollutant Regulatory Code: **WP**	
3. Primary Control Device Code: **061**	4. Secondary Control Device Code: **099**	5. Total Percent Efficiency of Control: **80%**
6. Potential Emissions: **PM10 = 0.42 lb/hr & 0.65 ton/hr** **PM = 0.88 lb/hr & 1.36 ton/hr**		7. Synthetically Limited? **[X]**
8. Emission Factor: **0.0021 lb/ton** Reference: **AP-42**		8. Emissions Method Code: **3**

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

PM10 = (200 lb/ton)(0.0021 lb/ton) = 0.42 lb/hr

$PM10_{yearly}$ [(200 lb/hr)(3120 hr/yr)(0.0021 lb/ton)] / 2000 lb/ton = 0.65 ton/yr

PM = [(200 lb/ton)(0.0021 lb/ton)] (2.1) = 0.88 lb/hr

$PM10_{yearly}$ [(200 lb/hr)(3120 hr/yr)(0.0021 lb/ton)] / 2000 lb/ton (2.1) = 1.36 ton/yr

11. Pollutant Potential Emissions Comment (limit to 200 characters):
Raw Material Receiving Hopper / Grizzly Feeder – subject to 40 CFR 60, subpart 000 rules and regulations.

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: **40 CFR 60, subpart 000**	2. Future Effective Date of Allowable Emissions: **Initial Compliance Test**
3. Requested Allowable Emissions and Units: **< 10 % Opacity**	4. Equivalent Allowable Emissions: lb/hour tons/year

5. Method of Compliance (limit to 60 characters):
Initial and Annual EPA Method 9 Compliance Testing

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

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: [X] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **<10%** Exceptional Conditions: **<10%** Maximum Period of Excess Opacity Allowed: **0** min/hour	
4. Method of Compliance: **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: **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 200 characters):	

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:_____ [ ] 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:_____
   [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

8. 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:

EMISSIONS ID. NO. 002

Cedarapids Model 3054 Jaw 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).

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

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

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 Number:
ID: **002**
[ ] No ID
[ ] ID Unknown

10. Emissions Unit Status Code:	11. Initial Startup Date:	12. Emissions Unit Major Group SIC Code:
ACTIVE	**UNKNOWN**	**14**

13. Emissions Unit Comment: (Limit to 500 Characters):

THIS AGGREGATE PROCESSING UNIT WILL CRUSH AND CONVEY RECLAIMED ASPHALT ONLY, THEREFORE EMISSIONS WILL BE NIL TO NONE FROM THIS EMISSIONS UNIT. SHOULD ANY OCCUR THE MATERIAL WILL BE SPRAYED AS TO CONTROL ANY EMISSIONS GENERATED.

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. Package Unit: **CRUSHER / DISCHARGE PAN** Manufacturer: **CEDARAPIDS**	Model Number: **3054**	
2. Generator Nameplate Rating:	MW	
3. Incinerator Information: Dwell Temperature: Dwell Time: Incinerator Afterburner Temperature:		°F seconds °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 RAW (UNCRUSHED) RECLAIMED ASPHALT OR CONCRETE**		
4. Maximum Production Rate: **200 TPH AS 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

14. 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. Any fugitive emissions generated are controlled by dampening of the material before it enters the grizzly feeder and crusher as needed.

Emissions Unit Information Section __2___ of __10___
Cedarapids Model 3054 Jaw Crusher

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? **002 (Cone Crusher)**		7. Emission Point Type Code: **4**
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): **NONE**		
8. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: **NONE**		
9. Discharge Type Code: **F**	6. Stack Height: feet	7. Exit Diameter: feet
8. Exit Temperature: °F	9. Actual Volumetric Flow Rate: acfm	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 ALL**		

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): **30502511**	3. SCC Units: **TONS OF PRODUCT PROCESSED**	
4. Maximum Hourly Rate: **200 tph**	10. Maximum Annual Rate: **624,000 ton**	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: **NA**	8. Maximum % Ash:	9. Million Btu per SCC Unit:
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):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: **PM, PM10**		2. Pollutant Regulatory Code: **WP**
3. Primary Control Device Code: **061**	4. Secondary Control Device Code: **099**	5. Total Percent Efficiency of Control: **80%**
6. Potential Emissions: **PM10 = 0.42 lb/hr & 0.66 ton/hr** **PM = 0.88 lb/hr & 1.39 ton/hr**		7. Synthetically Limited? [X]
8. Emission Factor: **0.0021 lb/ton** Reference: **AP-42 (Table 11.19.2-2 controlled) and footnote © for PM Emissions**		15. Emissions Method Code: **3**

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

PM10 = (200 lb/ton)(0.0021 lb/ton) = 0.42 lb/hr

$PM10_{yearly}$ [(200 lb/hr)(3120 hr/yr)(0.0021 lb/ton)] / 2000 lb/ton = 0.66 ton/yr

PM = [(200 lb/ton)(0.0021 lb/ton)] (2.1) = 0.88 lb/hr

$PM10_{yearly}$ [(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.

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: **40 CFR 60, subpart 000**	2. Future Effective Date of Allowable Emissions: **Initial Compliance Test**
3. Requested Allowable Emissions and Units: **< 15 % Opacity**	4. Equivalent Allowable Emissions: 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):

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: [X] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **<15%** Exceptional Conditions: **<15%** 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: **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 200 characters):	

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

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. 003

Cedarapids Cone Crusher Model RC5411

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).

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

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

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 Number:
ID: **003**
[ ] No ID
[ ] ID Unknown

17. Emissions Unit Status Code:	18. Initial Startup Date:	19. Emissions Unit Major Group SIC Code:
ACTIVE	**UNKNOWN**	**14**

20. Emissions Unit Comment: (Limit to 500 Characters):

THIS AGGREGATE PROCESSING UNIT WILL CRUSH AND CONVEY RECLAIMED ASPHALT ONLY, THEREFORE EMISSIONS WILL BE NIL TO NONE FROM THIS EMISSIONS UNIT. SHOULD ANY OCCUR THE MATERIAL WILL BE SPRAYED AS TO CONTROL ANY EMISSIONS GENERATED.

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: Dwell Time: Incinerator Afterburner Temperature:		°F seconds °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 RAW (UNCRUSHED) RECLAIMED ASPHALT OR CONCRETE**		
4. Maximum Production Rate: **200 TPH AS 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 characters):

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.

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 Flow Diagram? **003 (cone crusher)**		12. Emission Point Type Code: **4**
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): **NONE**		
13. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: **NONE**		
14. Discharge Type Code: **F**	6. Stack Height: feet	7. Exit Diameter: feet
8. Exit Temperature: °F	9. Actual Volumetric Flow Rate: acfm	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 ALL**		

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type) (limit to 500 characters):		
Cedarapids, Inc. – Portable Cone Crushing Unit Model RC5411 – Crusher Discharge Pan/Belt. (Material Handling – Emissions related to dropping material out of crusher onto belt.)		
4. Source Classification Code (SCC): **30502511**	3. SCC Units: **TONS OF PRODUCT PROCESSED**	
4. Maximum Hourly Rate: **200 tph**	15. Maximum Annual Rate: **624,000 ton**	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: **NA**	8. Maximum % Ash:	9. Million Btu per SCC Unit:
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):		

Emissions Unit Information Section ___3___ **of** __10____

Pollutant Detail Information Page ___1___ **of** __1____

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: **PM, PM10**		2. Pollutant Regulatory Code: **WP**
3. Primary Control Device Code: **061**	4. Secondary Control Device Code: **099**	5. Total Percent Efficiency of Control: **80%**
6. Potential Emissions: **PM10 = 0.42 lb/hr & 0.66 ton/hr** **PM = 0.88 lb/hr & 1.39 ton/hr**		7. Synthetically Limited? [X]
8. Emission Factor: **0.0021 lb/ton** Reference: **AP-42 (Table 11.19.2-2 controlled) and footnote © for PM Emissions**		22. Emissions Method Code: **3**

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

PM10 = (200 lb/hr)(0.0021 lb/ton) = 0.42 lb/hr
$PM10_{yearly}$ [(200 lb/hr)(3120 hr/yr)(0.0021 lb/ton)] / 2000 lb/ton = 0.66 ton/yr

PM = [(200 lb/ton)(0.0021 lb/ton)] (2.1) = 0.88 lb/hr

$PM10_{yearly}$ [(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):
Cone Crusher and Discharge Pan – subject to 40 CFR 60, subpart 000 rules and regulations.

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: **40 CFR 60, subpart 000**	2. Future Effective Date of Allowable Emissions: **Initial Compliance Test**
3. Requested Allowable Emissions and Units: **< 15 % Opacity**	4. Equivalent Allowable Emissions: 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):

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: **[X]** Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **<15%** Exceptional Conditions: **<15%** 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: **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 200 characters):	

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
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

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).

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

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

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 Identification Number:
ID: **004**
[ ] No ID
] ID Unknown

24. Emissions Unit Status Code:	25. Initial Startup Date:	26. Emissions Unit Major Group SIC Code:
ACTIVE	**UNKNOWN**	**14**

27. Emissions Unit Comment: (Limit to 500 Characters):

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

Emissions Unit 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
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 RAW (UNCRUSHED) RECLAIMED ASPHALT OR CONCRETE**
4. Maximum Production Rate: **200 TPH AS 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

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.

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 Plot Plan or Flow Diagram? **004 (Vibrating Screener)**		16. Emission Point Type Code: **4**
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): **NONE**		
17. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: **NONE**		
18. Discharge Type Code: **F**	6. Stack Height: feet	7. Exit Diameter: feet
8. Exit Temperature: °F	9. Actual Volumetric Flow Rate: acfm	10. Water Vapor: %
11. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: **~10** 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 ALL**		

Emissions Unit Information Section __4___ of __10___
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): **30502503**	3. SCC Units: **TONS OF PRODUCT PROCESSED**	
4. Maximum Hourly Rate: **200 tph**	19. Maximum Annual Rate: **624,000 ton**	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: **NA**	8. Maximum % Ash:	9. Million Btu per SCC Unit:
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):		

Emissions Unit Information Section ___4___ **of** __10____

Pollutant Detail Information Page ___1___ **of** __1____

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: **PM, PM10**		2. Pollutant Regulatory Code: **WP**
3. Primary Control Device Code: **061**	4. Secondary Control Device Code: **099**	5. Total Percent Efficiency of Control: **80%**
6. Potential Emissions: **PM10 = 0.96 lb/hr, 1.50 ton/yr** **PM = 2.02 lb/hr, 3.14 ton/yr**		7. Synthetically Limited? [X]
8. Emission Factor: **0.0048 lb/ton** Reference: **AP-42 (Table 11.19.2-2 controlled) and footnote © for PM Emissions**		29. Emissions Method Code: **3**

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

$PM10_{yearly}$ = [(200 ton/hr)(3120 hr/yr)(0.0048 lb/ton)] / (2000 lb/ton) = 1.50 ton/yr
$PM10_{hour}$ = [(200 ton/hr)(0.0048 lb/ton)] = 0.96 lb/hr

TSP_{yearly} = [(200 ton/hr)(3120 hr/yr)(0.0048 lb/ton)] (2.1) / (2000 lb/ton) = 3.14 ton/yr
TSP_{hour} = [(200 ton/hr)(0.0048 lb/ton)] (2.1) = 2.02 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 Emissions _____ of _____

1. Basis for Allowable Emissions Code: **40 CFR 60, subpart 000**	2. Future Effective Date of Allowable Emissions: **Initial Compliance Test**
3. Requested Allowable Emissions and Units: **< 10 % Opacity**	4. Equivalent Allowable Emissions: lb/hour tons/year

5. Method of Compliance (limit to 60 characters):
Initial and Annual EPA Method 9 Compliance Testing

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

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: [X] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **<10%** Exceptional Conditions: **<10%** Maximum Period of Excess Opacity Allowed: **0** min/hour	
4. Method of Compliance: **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: **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 200 characters):	

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
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. 005

Emissions From Magnet Transfer Drop

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).

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

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

30. Description of Emissions Unit Addressed in This Section (limit to 60 characters):
Cedarapids, Inc. Magnet Transfer Point – Transfer Point where metal is extracted from oversized crushed material drops to a transfer belt to be run back through screener (drop point from magnet belt to transfer belt)

3. Emissions Unit Identification Number:
ID: **005**
[ ] No ID
] ID Unknown

31. Emissions Unit Status Code:	32. Initial Startup Date:	33. Emissions Unit Major Group SIC Code:
ACTIVE	**UNKNOWN**	**14**

34. Emissions Unit Comment: (Limit to 500 Characters):

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

Emissions Unit 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 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: **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

1. Maximum Heat Input Rate: mmBtu/hr
2. Maximum Incineration Rate: lb/hr tons/day
3. Maximum Process or Throughput Rate: **200 TPH AS RAW (UNCRUSHED) RECLAIMED ASPHALT OR CONCRETE**
4. Maximum Production Rate: **200 TPH AS 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

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.

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 Plot Plan or Flow Diagram? **005 (Magnet Trans. Pt.)**		20. Emission Point Type Code: **4**
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): **NONE**		
21. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: **NONE**		
22. Discharge Type Code: **F**	6. Stack Height: feet	7. Exit Diameter: feet
8. Exit Temperature: °F	9. Actual Volumetric Flow Rate: acfm	10. Water Vapor: %
11. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: **~4 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 ALL**		

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): **30502505**	3. SCC Units: **TONS OF PRODUCT PROCESSED**	
4. Maximum Hourly Rate: **200 tph**	23. Maximum Annual Rate: **624,000 ton**	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: **NA**	8. Maximum % Ash:	9. Million Btu per SCC Unit:
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):		

Emissions Unit Information Section ___5___ **of** __10____

Pollutant Detail Information Page ___1___ **of** __1____

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: **PM, PM10**		2. Pollutant Regulatory Code: **WP**
3. Primary Control Device Code: **061**	4. Secondary Control Device Code: **099**	5. Total Percent Efficiency of Control: **80%**
6. Potential Emissions: **PM10 = 0.96 lb/hr, 1.50 ton/yr** **PM = 2.02 lb/hr, 3.14 ton/yr**		7. Synthetically Limited? [X]
8. Emission Factor: **0.0021 lb/ton** Reference: **AP-42 (Table 11.19.2-2 controlled) and footnote © for PM Emissions**		36. Emissions Method Code: **3**

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

$PM10_{yearly}$ = [(200 ton/hr)(3120 hr/yr)(0.0048 lb/ton)] / (2000 lb/ton) = 1.50 ton/yr
$PM10_{hour}$ = [(200 ton/hr)(0.0048 lb/ton)] = 0.96 lb/hr

TSP_{yearly} = [(200 ton/hr)(3120 hr/yr)(0.0048 lb/ton)] (2.1) / (2000 lb/ton) = 3.14 ton/yr
TSP_{hour} = [(200 ton/hr)(0.0048 lb/ton)] (2.1) = 2.02 lb/hr

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 _____

1. Basis for Allowable Emissions Code: **40 CFR 60, subpart 000**	2. Future Effective Date of Allowable Emissions: **Initial Compliance Test**
3. Requested Allowable Emissions and Units: **< 10 % Opacity**	4. Equivalent Allowable Emissions: lb/hour tons/year

5. Method of Compliance (limit to 60 characters):
Initial and Annual EPA Method 9 Compliance Testing

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

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: [X] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **<10%** Exceptional Conditions: **<10%** Maximum Period of Excess Opacity Allowed: **0** min/hour	
4. Method of Compliance: **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: **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 200 characters):	

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
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. 006

Emissions From Radial Stacker Belt

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).

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

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

2. Description of Emissions Unit Addressed in This Section (limit to 60 characters):

Drop Point from Radial Stacker No.1 to Stockpile – where crushed material leaves radial stacker belt to stockpile

3. Emissions Unit Identification Number: [ ] No ID
ID: **006**

37. Emissions Unit Status Code:	38. Initial Startup Date:	39. Emissions Unit Major Group SIC Code:
ACTIVE	**UNKNOWN**	**14**

40. Emissions Unit Comment: (Limit to 500 Characters):

CRUSHED RECLAIMED ASPHALT & CONCRETE WILL TRAVEL ALONG THE RADIAL STACKER BELT TO BE STOCKPILED FOR FUTURE USE AT CONSTRUCTION SITES. THE ENTIRE AGGREGATE PROCESSING UNIT WILL CRUSH AND AND CONVEY RECLAIMED ASPHALT & CONCRETE, THEREFORE EMISSIONS WILL BE NIL TO NONE FROM THIS EMISSIONS UNIT. SHOULD ANY OCCUR THE MATERIAL WILL BE SPRAYED AS TO CONTROL ANY EMISSIONS GENERATED.

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: **NA**	
2. Generator Nameplate Rating:	MW	
3. Incinerator Information: Dwell Temperature: Dwell Time: Incinerator Afterburner Temperature:		°F seconds °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 RAW (UNCRUSHED) RECLAIMED ASPHALT OR CONCRETE**		
4. Maximum Production Rate: **200 TPH AS 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

41. 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.

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 Flow Diagram? **006 (Radial Stacker)**	25. Emission Point Type Code: **4**
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): **NONE**	
26. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: **NONE**	

27. Discharge Type Code: **F**	6. Stack Height: feet	7. Exit Diameter: feet
8. Exit Temperature: °F	9. Actual Volumetric Flow Rate: acfm	10. Water Vapor: %

11. Maximum Dry Standard Flow Rate: dscfm	12. Nonstack Emission Point Height: **~2-15** FEET

13. Emission Point UTM Coordinates: **(portable facility – figure below at 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 ALL

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 _____

1. Segment Description (Process/Fuel Type) (limit to 500 characters): **Cedarapids – Radial Stacker Belt to Stockpile (Material Handling – Emissions related to conveying and dropping of material.)**		
7. Source Classification Code (SCC): **30502511**	3. SCC Units: **TONS OF PRODUCT PROCESSED**	
4. Maximum Hourly Rate: **200 tph**	28. Maximum Annual Rate: **624,000 ton**	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: **NA**	8. Maximum % Ash:	9. Million Btu per SCC Unit:
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):		

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 Code: **061**	4. Secondary Control Device Code: **099**	5. Total Percent Efficiency of Control: **80%**
6. Potential Emissions: **PM10 = 0.96 lb/hr & 1.50 ton/hr** **PM = 2.02 lb/hr & 3.14 ton/hr**		7. Synthetically Limited? [X]
8. Emission Factor: **0.0048 lb/ton** Reference: **AP-42 (Table 11.19.2-2 controlled) and footnote © for PM Emissions**		42. Emissions Method Code: **3**

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

PM10 = (200 lb/ton)(0.0048 lb/ton) = 0.96 lb/hr
$PM10_{yearly}$ [(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

$PM10_{yearly}$ [(200 lb/hr)(3120 hr/yr)(0.0048 lb/ton)] / 2000 lb/ton (2.1) = 3.14 ton/yr

11. Pollutant Potential Emissions Comment (limit to 200 characters):
Radial Stacker Belt – subject to 40 CFR 60, subpart 000 rules and regulations.

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: **40 CFR 60, subpart 000**	2. Future Effective Date of Allowable Emissions: **Initial Compliance Test**
3. Requested Allowable Emissions and Units: **< 10 % Opacity**	4. Equivalent Allowable Emissions: lb/hour tons/year

5. Method of Compliance (limit to 60 characters):
Initial and Annual EPA Method 9 Compliance Testing

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

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: [X] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **<10%** Exceptional Conditions: **<10%** Maximum Period of Excess Opacity Allowed: **0** min/hour	
4. Method of Compliance: **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: **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 200 characters):	

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
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

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).

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

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

2. Description of Emissions Unit Addressed in This Section (limit to 60 characters):

Drop Point from Radial Stacker No.2 to Stockpile – where crushed material leaves radial stacker belt to stockpile

3. Emissions Unit Identification Number: [ ] No ID
ID: **007**

43. Emissions Unit Status Code:	44. Initial Startup Date:	45. Emissions Unit Major Group SIC Code:
ACTIVE	**UNKNOWN**	**14**

46. Emissions Unit Comment: (Limit to 500 Characters):

CRUSHED RECLAIMED ASPHALT & CONCRETE WILL TRAVEL ALONG THE RADIAL STACKER BELT TO BE STOCKPILED FOR FUTURE USE AT CONSTRUCTION SITES. THE ENTIRE AGGREGATE PROCESSING UNIT WILL CRUSH AND AND CONVEY RECLAIMED ASPHALT & CONCRETE, THEREFORE EMISSIONS WILL BE NIL TO NONE FROM THIS EMISSIONS UNIT. SHOULD ANY OCCUR THE MATERIAL WILL BE SPRAYED AS TO CONTROL ANY EMISSIONS GENERATED.

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: **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

1. Maximum Heat Input Rate: mmBtu/hr
2. Maximum Incineration Rate: lb/hr tons/day
3. Maximum Process or Throughput Rate: **200 TPH AS RAW (UNCRUSHED) RECLAIMED ASPHALT OR CONCRETE**
4. Maximum Production Rate: **200 TPH AS 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

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.

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 Plot Plan or Flow Diagram? **007 (Radial Stacker)**	30. Emission Point Type Code: **4**

3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):
NONE

31. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:
NONE

32. Discharge Type Code: **F**	6. Stack Height: feet	7. Exit Diameter: feet
8. Exit Temperature: °F	9. Actual Volumetric Flow Rate: acfm	10. Water Vapor: %
11. Maximum Dry Standard Flow Rate: dscfm	12. Nonstack Emission Point Height: **~2-15** FEET	

13. Emission Point UTM Coordinates: **(portable facility – figure below at 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 ALL

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type) (limit to 500 characters): **Cedarapids – Radial Stacker Belt to Stockpile (Material Handling – Emissions related to conveying and dropping of material.)**		
8. Source Classification Code (SCC): **30502511**	3. SCC Units: **TONS OF PRODUCT PROCESSED**	
4. Maximum Hourly Rate: **200 tph**	33. Maximum Annual Rate: **624,000 ton**	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: **NA**	8. Maximum % Ash:	9. Million Btu per SCC Unit:
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):		

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 Regulatory Code: **WP**	
3. Primary Control Device Code: **061**	4. Secondary Control Device Code: **099**	5. Total Percent Efficiency of Control: **80%**
6. Potential Emissions: **PM10 = 0.96 lb/hr & 1.50 ton/hr** **PM = 2.02 lb/hr & 3.14 ton/hr**		7. Synthetically Limited? [X]
8. Emission Factor: **0.0048 lb/ton** Reference: **AP-42 (Table 11.19.2-2 controlled) and footnote © for PM Emissions**		48. Emissions Method Code: **3**

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

PM10 = (200 lb/ton)(0.0048 lb/ton) = 0.96 lb/hr
$PM10_{yearly}$ [(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

$PM10_{yearly}$ [(200 lb/hr)(3120 hr/yr)(0.0048 lb/ton)] / 2000 lb/ton (2.1) = 3.14 ton/yr

11. Pollutant Potential Emissions Comment (limit to 200 characters):
Radial Stacker Belt – subject to 40 CFR 60, subpart 000 rules and regulations.

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: **40 CFR 60, subpart 000**	2. Future Effective Date of Allowable Emissions: **Initial Compliance Test**
3. Requested Allowable Emissions and Units: **< 10 % Opacity**	4. Equivalent Allowable Emissions: lb/hour tons/year

5. Method of Compliance (limit to 60 characters):
Initial and Annual EPA Method 9 Compliance Testing

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

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)

Visible Emissions Limitation: Visible Emissions Limitation _____ of _____

1. Visible Emissions Subtype: **VE**	2. Basis for Allowable Opacity: **[X]** Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **<10%** Exceptional Conditions: **<10%** Maximum Period of Excess Opacity Allowed: **0** min/hour	
4. Method of Compliance: **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: **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 200 characters):	

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
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 FDFP'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. 008

Emissions From Caterpillar Generator Set

EMISSIONS UNIT NO. 8 of 10
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. 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] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

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

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 sulfur content of 0.5% by weight, ~138,000 Btu/gal and a maximum fuel consumption of 25 gal/hr.

3. Emissions Unit Identification Number:
ID: **008**
[ ] 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):
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.

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: Dwell Temperature: Dwell Time: Incinerator Afterburner Temperature:		°F seconds °F

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: **6.21** mmBtu/hr		
2. Maximum Incineration Rate:	lb/hr	tons/day
3. Maximum Process or Throughput Rate: **Consumes No.2 fuel oil at a maximum rate of 25 gal/hr**		
4. Maximum Production Rate: **25 gal/hr**		
5. Requested Maximum Operating Schedule:		
	10 hours/day	**6** days/week
	52 weeks/year	**3120** hours/year

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

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.

EMISSIONS UNIT NO. 8 of 10
DIESEL GENERATOR SET

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? **008 (Generator)**		35. Emission Point Type Code: **4**
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): **NONE**		
36. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: **NONE**		
37. Discharge Type Code: **F**	6. Stack Height: feet	7. Exit Diameter: feet
8. Exit Temperature: °F	9. Actual Volumetric Flow Rate: acfm	10. Water Vapor: %
11. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: **~12** FEET
13. Emission Point UTM Coordinates: **(portable unit at this location only)** Zone: **17** East (km): **357.8** North (km): **3107.2**		
14. Emission Point Comment (limit to 200 characters):		

EMISSIONS UNIT NO. 8 of 10
DIESEL GENERATOR SET

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment _____ of _____ .

1. Segment Description (Process/Fuel Type) (limit to 500 characters):		
Caterpillar Diesel Generator Set – Emissions from Detroit Diesel Generator fired on No.2 virgin diesel fuel with a maximum sulfur limit of 0.5% by weight.		
9. Source Classification Code (SCC): **20222200401**	3. SCC Units: **1000 gallons burned**	
4. Maximum Hourly Rate: **25 ga/hr @ worst case**	38. Maximum Annual Rate: **78,000 gal/yr @ max.**	6. Estimated Annual Activity Factor: **0.50 tpy @ worst**
7. Maximum % Sulfur: **0.5%**	8. Maximum % Ash: **≤ 0.01 % by weight**	9. Million Btu per SCC Unit: **138,000**
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):		

EMISSIONS UNIT NO. 8 of 10
DIESEL GENERATOR SET

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions **Pollutant 1 of 5**

1. Pollutant Emitted: **PM10**		2. Pollutant Regulatory Code: **WP**
3. Primary Control Device Code:	4. Secondary Control Device Code: **NONE**	5. Total Percent Efficiency of Control: **0%**
6. Potential Emissions: : **PM10 = 1.07 lb/hr or 1.67 ton/yr**		7. Synthetically Limited? [**X**]
8. Emission Factor: **0.31 lb/MMBTU** Reference: **AP-42**		54. Emissions Method Code: **3**

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

PM10 = (25 gal/hr fuel useage)(138,000 BTU/gal) = 3.45 MMBTU/hr
(3.45 MMBTU/hr)(0.31 lb/MMBTU) = 1.07 lb/hr
(1.07 lb/hr)(3120 hrs/yr) / 2000 lb/ton = 1.67 ton/hr

11. Pollutant Potential Emissions Comment (limit to 200 characters):
Emissions from Diesel Generator Subject to 62-296.320 FAC

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: **40 CFR 60, subpart 000**	2. Future Effective Date of Allowable Emissions: **Initial Compliance Test**
3. Requested Allowable Emissions and Units: **< 10 % Opacity**	4. Equivalent Allowable Emissions: lb/hour tons/year

5. Method of Compliance (limit to 60 characters):
Initial and Annual EPA Method 9 Compliance Testing

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

EMISSIONS UNIT NO. 8 of 10
DIESEL GENERATOR SET

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions **Pollutant 2 of 5**

1. Pollutant Emitted: **NOx**		2. Pollutant Regulatory Code: **WP**
3. Primary Control Device Code:	4. Secondary Control Device Code: **NONE**	5. Total Percent Efficiency of Control: **0%**
6. Potential Emissions: : **NOx = 15.21 lb/hr or 23.73 ton/yr**		7. Synthetically Limited? [X]
8. Emission Factor: **4.41 lb/MMBTU** Reference: **AP-42**		55. Emissions Method Code: **3**

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

NOx = (25 gal/hr fuel useage)(138,000 BTU/gal) = 3.45 MMBTU/hr
(3.45 MMBTU/hr)(4.41 lb/MMBTU) = 15.21 lb/hr
(15.21 lb/hr)(3120 hrs/yr) / 2000 lb/ton = 23.73 ton/yr

11. Pollutant Potential Emissions Comment (limit to 200 characters):
Emissions from Diesel Generator Subject to 62-296.320 FAC

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: **62-296.320 of FAC**	2. Future Effective Date of Allowable Emissions: **Initial Compliance Test**
3. Requested Allowable Emissions and Units: **< 10 % Opacity**	4. Equivalent Allowable Emissions: lb/hour tons/year

5. Method of Compliance (limit to 60 characters):
Initial and Annual EPA Method 9 Compliance Testing

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

EMISSIONS UNIT NO. 8 of 10
DIESEL GENERATOR SET

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions **Pollutant 3 of 5**

1. Pollutant Emitted: **CO**		2. Pollutant Regulatory Code: **WP**
3. Primary Control Device Code:	4. Secondary Control Device Code: **NONE**	5. Total Percent Efficiency of Control: **0%**
6. Potential Emissions: : **CO = 3.28 lb/hr or 5.12 ton/yr**		7. Synthetically Limited? [**X**]
8. Emission Factor: **0.95 lb/MMBTU** Reference: **AP-42**		56. Emissions Method Code: **3**

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

CO = (25 gal/hr fuel useage)(138,000 BTU/gal) = 3.45 MMBTU/hr
(3.45 MMBTU/hr)(0.95 lb/MMBTU) = 3.28 lb/hr
(3.28 lb/hr)(3120 hrs/yr) / 2000 lb/ton = 5.12 ton/hr

11. Pollutant Potential Emissions Comment (limit to 200 characters):
Emissions from Diesel Generator Subject to 62-296.320 FAC

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: **62-296.320 FAC**	2. Future Effective Date of Allowable Emissions: **Initial Compliance Test**
3. Requested Allowable Emissions and Units: **< 20% Opacity**	4. Equivalent Allowable Emissions: lb/hour tons/year

5. Method of Compliance (limit to 60 characters):
Initial and Annual EPA Method 9 Compliance Testing

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

EMISSIONS UNIT NO. 8 of 10
DIESEL GENERATOR SET

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions **Pollutant 4 of 5**

1. Pollutant Emitted: **SOx**		2. Pollutant Regulatory Code: **WP**
3. Primary Control Device Code:	4. Secondary Control Device Code: **NONE**	5. Total Percent Efficiency of Control: **0%**
6. Potential Emissions: : **SOx = 1.00 lb/hr or 1.56 ton/yr**		7. Synthetically Limited? [**X**]
8. Emission Factor: **0.29 lb/MMBTU** Reference: **AP-42**		57. Emissions Method Code: **3**

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

SOx = (25 gal/hr fuel useage)(138,000 BTU/gal) = 3.45 MMBTU/hr
(3.45 MMBTU/hr)(0.29 lb/MMBTU) = 1.00 lb/hr
(1.00 lb/hr)(3120 hrs/yr) / 2000 lb/ton = 1.56 ton/hr

11. Pollutant Potential Emissions Comment (limit to 200 characters):
Emissions from Diesel Generator Subject to 62-296.320 FAC

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: **62-296.320 FAC**	2. Future Effective Date of Allowable Emissions: **Initial Compliance Test**
3. Requested Allowable Emissions and Units: **< 20% Opacity**	4. Equivalent Allowable Emissions: lb/hour tons/year

5. Method of Compliance (limit to 60 characters):
Initial and Annual EPA Method 9 Compliance Testing

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

EMISSIONS UNIT NO. 8 of 10
DIESEL GENERATOR SET

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions **Pollutant 5 of 5**

1. Pollutant Emitted: **TOC**		2. Pollutant Regulatory Code: **WP**
3. Primary Control Device Code:	4. Secondary Control Device Code: **NONE**	5. Total Percent Efficiency of Control: **0%**
6. Potential Emissions: : **TOC = 1.24 lb/hr or 1.93 ton/yr**		7. Synthetically Limited? [**X**]
8. Emission Factor: **0.36 lb/MMBTU** Reference: **AP-42**		58. Emissions Method Code: **3**

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

TOC = (25 gal/hr fuel useage)(138,000 BTU/gal) = 3.45 MMBTU/hr
(3.45 MMBTU/hr)(0.36 lb/MMBTU) = 1.24 lb/hr
(1.24 lb/hr)(3120 hrs/yr) / 2000 lb/ton = 1.93 ton/hr

11. Pollutant Potential Emissions Comment (limit to 200 characters):
Emissions from Diesel Generator Subject to 62-296.320 FAC

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: **62-296.320 FAC**	2. Future Effective Date of Allowable Emissions: **Initial Compliance Test**
3. Requested Allowable Emissions and Units: **< 20% Opacity**	4. Equivalent Allowable Emissions: lb/hour tons/year

5. Method of Compliance (limit to 60 characters):
Initial and Annual EPA Method 9 Compliance Testing

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

EMISSIONS UNIT NO. 8 of 10
DIESEL GENERATOR SET

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: [X] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **<20%** 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): **Visible Emissions from Diesel Generator are subject to 62-296.320 FAC**	

F. CONTINUOUS MONITOR INFORMATION
(Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous 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 200 characters):	

EMISSIONS UNIT NO. 8 of 10
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 **can 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:_____*03/2000*_____ [ ] 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 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. 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 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).

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

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

2. Description of Emissions Unit Addressed in This Section (limit to 60 characters):

Fugitive emissions from paved and unpaved areas – worst case scenario. All paved and unpaved areas and aggregate piles at this facility as well as other locations will be kept damp on a as needed basis.

3. Emissions Unit Identification Number: [ ] No ID [ ] ID Unknown
ID: **004**

1. Emissions Unit Status Code:	2. Initial Startup Date:	3. Emissions Unit Major Group SIC Code:
NA	**ASAP**	**2951**

4. Emissions Unit Comment: (Limit to 500 Characters):
Fugitive emissions from paved and unpaved areas – worst case scenario. All paved and unpaved areas and aggregate piles at this facility and other locations will be kept damp on a as needed basis.

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:
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:
2. Maximum Incineration Rate: lb/hr tons/day
3. Maximum Process or Throughput Rate:
4. Maximum Production Rate:
5. Requested Maximum Operating Schedule:

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

52 weeks/year ***not to exceeed: 4000*** **hrs/year**

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

Vehicular traffic at this facility will not be continuous 24 hrs/day

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? **004 – Unpaved/Paved Areas**	2. Emission Point Type Code: **4**	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): **NA – Fugitive Emission Point**		
3. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: **NOT APPLICABLE**		
4. Discharge Type Code: **F**	6. Stack Height: **~0.0** feet	7. Exit Diameter: **Not Determinable** feet
8. Exit Temperature: **~Ambient** °F	9. Actual Volumetric Flow Rate: **Unknown**	10. Water Vapor: **~5** %
11. Maximum Dry Standard Flow Rate: dscfm	12. Nonstack Emission Point Height: 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 (limit to 200 characters): **This emission point subject to 62-296.310 FAC Rules and Regulations.**		

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 paved, unpaved roads and stockpiles (Material Handling) emissions related to silt content on roadways and vehicular traffic in facility. Worst case scenario.**		
2. Source Classification Code (SCC): **3050204**	3. SCC Units: **Vehicle Miles Traveled**	
4. Maximum Hourly Rate: **NA**	5. Maximum Annual Rate: **NA**	6. Estimated Annual Activity Factor: **NA**
6. Maximum % Sulfur: **NA**	7. Maximum % Ash: **NA**	8. Million Btu per SCC Unit: **NA**
10. Segment Comment (limit to 200 characters): **FUGITIVE EMISSIONS CALCULATED AT WORST CASE SCENARIO**		

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):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: **PM10, TSP**	2. Pollutant Regulatory Code: **EL**	
3. Primary Control Device Code: **099**	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control: **90.0%**
6. Potential Emissions: PM10 : **1.0 lb/hr, 1.67 ton/yr** TSP: **2.1** lb/hour **3.28** tons/year		7. Synthetically Limited? [**X**] **YES**
8. Emission Factor: **0.24 lb/VMT** Reference: **AP-42 (Section 13.2.1.1) unpaved roads**		9. Emissions Method Code: **3**

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

$E = k(5.9)[s/12][S/30][W/3]^{0.7}[w/4]^{0.5}[365-P/365]$

$E = 0.36(5.9)[8.9/12][5/30][31.3/3]^{0.7}[10/4]^{0.5}[365-120/365] = 2.0$ lb/VMT

E = 2.0 lb/VMT (1-0.90 control efficiency fron water truck) = 0.2 lb/VMT

E_{daily} = (0.2 lb/VMT)(50 VMT/day) = 10.0 lb/day

E_{year} = [(10.0 lb/day) / (~12 hr/day) (4000 hr/yr) / 2000 lb/ton = 1.67 ton/yr

11. Pollutant Potential Emissions Comment (limit to 200 characters):

Allowable Emissions Allowable Emissions ___1___ of __7____

3. Basis for Allowable Emissions Code: **RULE**	2. Future Effective Date of Allowable Emissions: **NA**
4. Requested Allowable Emissions and Units: **<10% Opacity**	5. Equivalent Allowable Emissions: PM10 = **1.0 lb/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 through initial and annual emissions compliance testing. Watering of roadways and stockpiles will be performed as to control fugitive emissions at all locations.**

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

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

Visible Emissions Limitation: Visible Emissions Limitation ___1___ of ___1___

1. Visible Emissions Subtype: **VE10**	2. Basis for Allowable Opacity: [X] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **10 %** Exceptional Conditions: **10 %** Maximum Period of Excess Opacity Allowed: **NONE** min/hour	
4. Method of Compliance: **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):
3. CMS Requirement:	[ ] Rule [ ] Other
4. Monitor Information: Manufacturer: Model Number:	Serial Number:
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters): **NOT APPLICABLE**	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Process Flow Diagram [X] Attached, Document ID: **I** [ ] Not Applicable [ ] Waiver Requested
2. Fuel Analysis or Specification [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested **Can be found in supplemental information section 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: ***03/2000*** [ ] 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 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. 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 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).

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

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

6. Description of Emissions Unit Addressed in This Section (limit to 60 characters):

Fugitive emissions from paved and unpaved areas – worst case scenario. All paved and unpaved areas and aggregate piles at this facility and other locations will be kept damp on a as needed basis.

3. Emissions Unit Identification Number:
ID: **005**

[ ] No ID
[ ] ID Unknown

5. Emissions Unit Status Code:	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code:
NA	**ASAP**	**2951**

8. Emissions Unit Comment: (Limit to 500 Characters):

Fugitive emissions from Aggregate Handling – worst case scenario. All aggregate piles at this facility and other locations will be kept damp on a as needed basis.

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:
   Dwell Temperature: °F
   Dwell Time: seconds
   Incinerator Afterburner Temperature: °F

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate:
2. Maximum Incineration Rate: lb/hr tons/day
3. Maximum Process or Throughput Rate:
4. Maximum Production Rate:
7. Requested Maximum Operating Schedule:

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

52 weeks/year ***not to exceeed: 4000*** **hrs/year**

8. Operating Capacity/Schedule Comment (limit to 200 characters):
Aggregate Handling at this facility will not be continuous 24 hrs/day

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? **005 – Conveyor Drops, Loader Operations**		6. Emission Point Type Code: **4**
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): **NA – Fugitive Emission Point**		
7. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: **NOT APPLICABLE**		
8. Discharge Type Code: **F**	6. Stack Height: **~0.0** feet	7. Exit Diameter: **Not Determinable** feet
8. Exit Temperature: **~Ambient** °F	9. Actual Volumetric Flow Rate: **Unknown**	10. Water Vapor: **~5** %
11. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: feet
13. Emission Point UTM Coordinates: **(@ present location. UTM's for other locations have not been determined as of yet)** Zone: **17** East (km): **362.2 E** North (km): **3004.0 N**		
14. Emission Point Comment (limit to 200 characters): **This emission point subject to 62-296.310 FAC Rules and Regulations.**		

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 aggregate stockpiles and conveyor belts (Material Handling) emissions related to fugitives from conveyor belt drops and from aggregate storage piles from prevailing winds.**		
12. Source Classification Code (SCC): **3050207, 3050205**	13. SCC Units: **Area of stockpiles / tons of products**	
14. Maximum Hourly Rate: **NA**	15. Maximum Annual Rate: **NA**	6. Estimated Annual Activity Factor: **NA**
16. Maximum % Sulfur: **NA**	17. Maximum % Ash: **NA**	18. Million Btu per SCC Unit: **NA**
10. Segment Comment (limit to 200 characters): **FUGITIVE EMISSIONS CALCULATED AT WORST CASE SCENARIO**		

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):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: **PM10, TSP**	2. Pollutant Regulatory Code: **EL**	
3. Primary Control Device Code: **099**	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control: **90.0%**
6. Potential Emissions: PM10 : **0.20 lb/hr, 0.41 ton/yr** TSP = **0.42 lb/hr, 0.86 ton/yr**		7. Synthetically Limited? [X] **YES**
6. Emission Factor: Reference: **AP-42 (Section 13.2.4.2)**		9.Emissions Method Code: **3**

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

$E = k(0.0032)[u/5]^{1.3}[M/2]^{1.4}$

E = 0.35(0.0032)[7/5]$^{1.3}$ / [0.7/2]$^{1.4}$ = 0.0081 lb/ton

E = 250 ton/hr (0.0081 lb/ton) = 2.03 lb/hr

E = (2.03 lb/hr)(1-0.90 collector efficiency) (~24 hr/day) = 4.87 lb/day

E = [(4.87 lb/day) / (~24 hr/day) (4000 hr/yr) / 2000 lb/ton = 0.41 ton/yr

8. Pollutant Potential Emissions Comment (limit to 200 characters):

Aggregate Storage Piles & Conveyor Drops – Fugitive Emissions (controlled) are subject to 62-296.700 (2)(e)(f)

Allowable Emissions Allowable Emissions ___1___ of __7____

7. Basis for Allowable Emissions Code: **RULE**	2. 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** TSP = **0.42 lb/hr, 0.86 ton/yr**

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 as to control fugitive emissions at all sites.**

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

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

Visible Emissions Limitation: Visible Emissions Limitation ___1___ of ___1___

1. Visible Emissions Subtype: **VE10**	2. Basis for Allowable Opacity: [X] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **10 %** Exceptional Conditions: **10 %** Maximum Period of Excess Opacity Allowed: **NONE** min/hour	
4. Method of Compliance: **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):
3. CMS Requirement:	[ ] Rule [ ] Other
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters): **NOT APPLICABLE**	

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
   Can be found in supplemental information section 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: ***03/2000***
   [ ] 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 at FDEP's Office

8. Supplemental Information for Construction Permit Application
   [ ] Attached, Document ID:_____ [ ] Not Applicable
   On file at FDEP"s Office

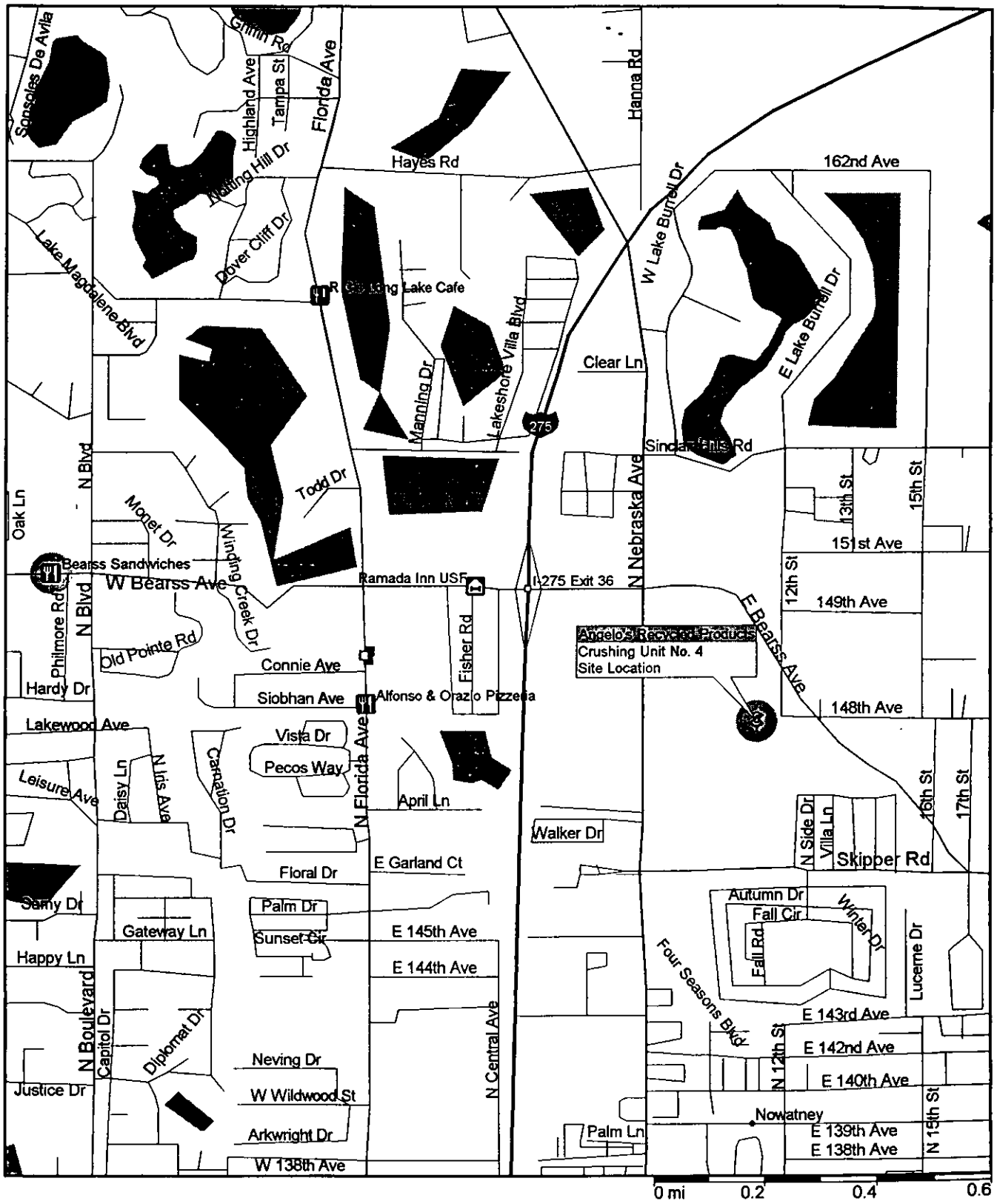
9. Other Information Required by Rule or Statute
   [ ] Attached, Document ID:_____ [X] Not Applicable

10. Supplemental Requirements Comment:

TABLE OF CONTENTS

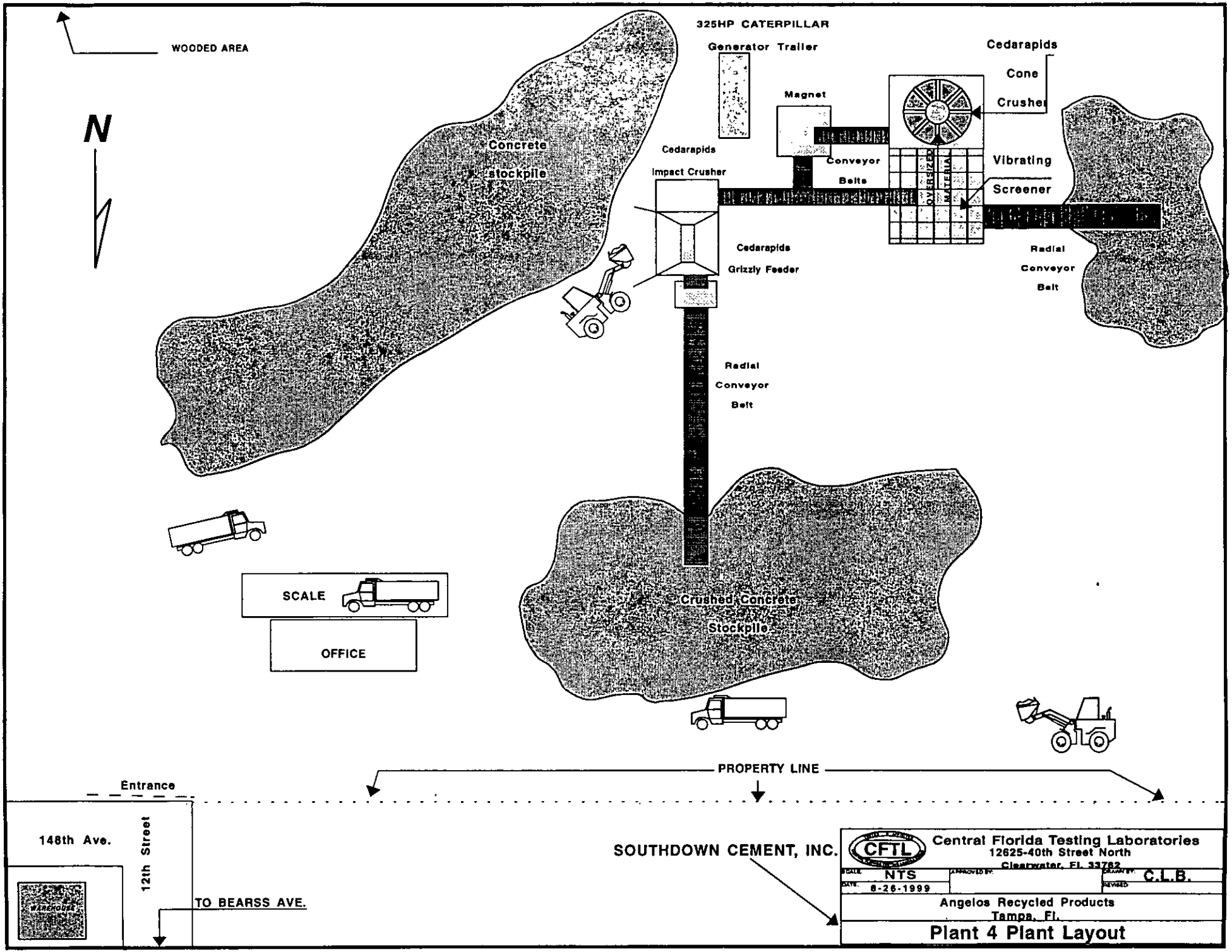
I. AREA MAP OF CRUSHER LOCATION AT TIME OF COMPLIANCE TESTING

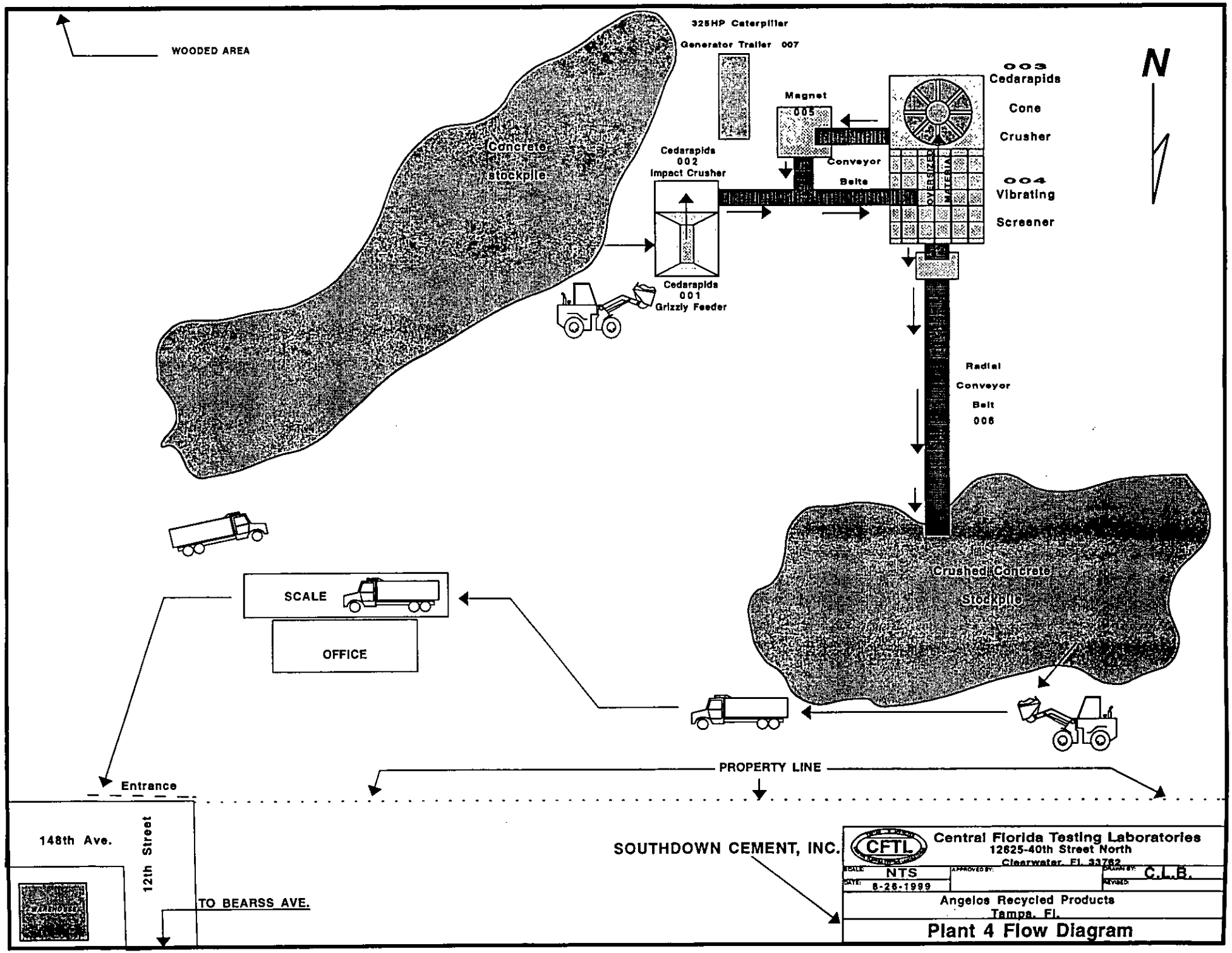
ANGELO'S RECYCLED MATERIALS
PORTABLE RECLAIMED CRUSHING PLANT NO.4

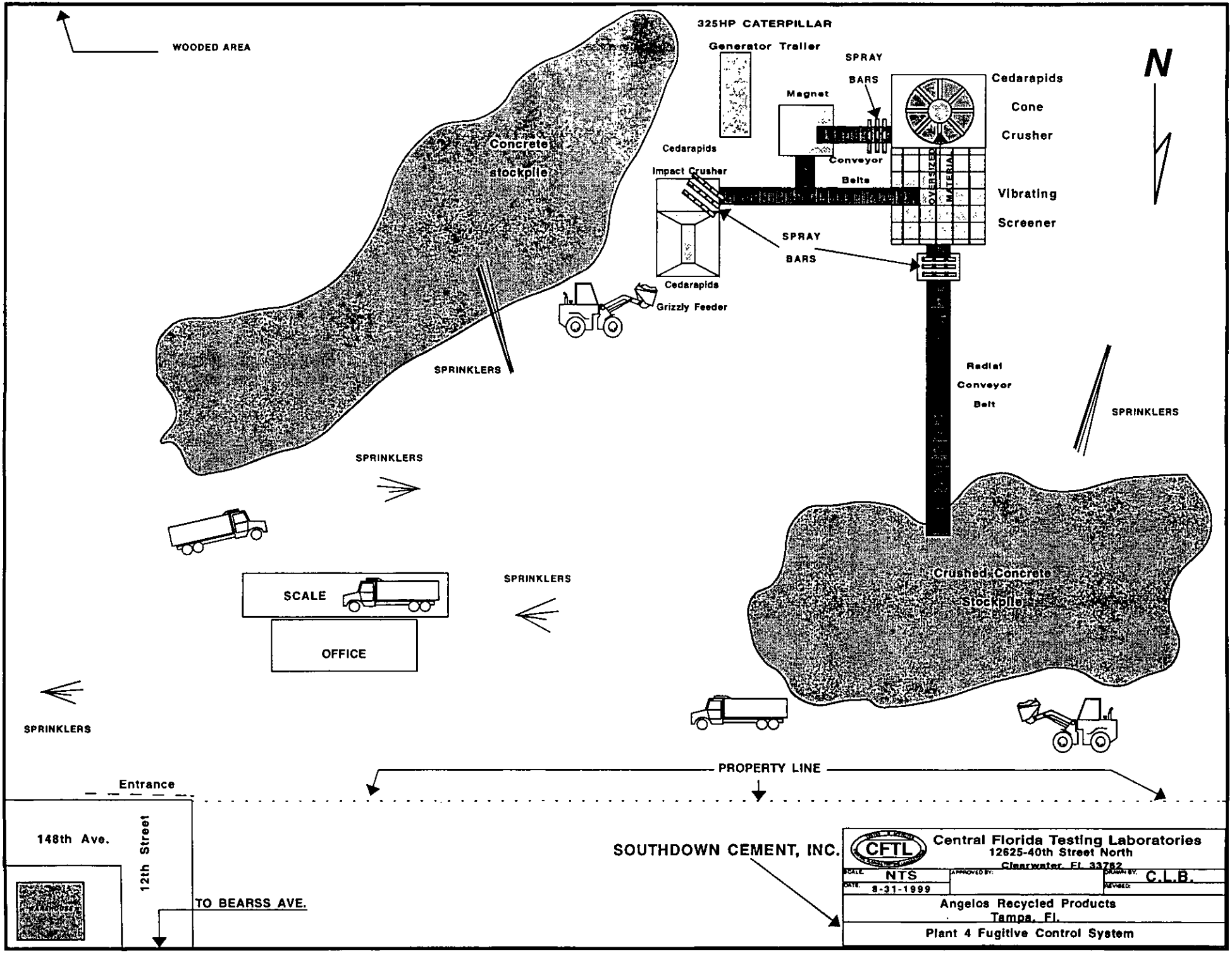


Streets98

II. TYPICAL FACILITY PLOT PLAN


WOODED AREA
N
325HP CATERPILLAR
Generator Trailer
Cedarapids
Cone
Crusher
Magnet
Concrete
stockpile
Cedarapids
Impact Crusher
Conveyor
Belts
OVERSIZED
MATERIAL
Vibrating
Screener
Cedarapids
Grizzly Feeder
Radial
Conveyor
Belt
Radial
Conveyor
Belt
SCALE
OFFICE
Crushed Concrete
Stockpile
PROPERTY LINE
Entrance
148th Ave.
12th Street
WAREHOUSE
TO BEARSS AVE.
SOUTHDOWN CEMENT, INC.
CFTL
Central Florida Testing Laboratories
12625-40th Street North
Clearwater, Fl. 33762
SCALE: NTS
DATE: 6-26-1999
APPROVED BY:
DRAWN BY: C.L.B.
REVISED:
Angelos Recycled Products
Tampa, Fl.
Plant 4 Plant Layout


WOODED AREA
325HP Caterpillar
Generator Trailer 007
Concrete stockpile
Cedarapids
002
Impact Crusher
Magnet
005
003
Cedarapids
Cone
Crusher
Conveyor
Belts
004
Vibrating
Screener
OVERSIZED
MATERIAL
N
Cedarapids
001
Grizzly Feeder
Radial
Conveyor
Belt
006
SCALE
OFFICE
Crushed Concrete
Stockpile
PROPERTY LINE
Entrance
148th Ave.
12th Street
TO BEARSS AVE.
SOUTHDOWN CEMENT, INC.
CFTL
Central Florida Testing Laboratories
12625-40th Street North
Clearwater, Fl. 33762
SCALE: NTS
DATE: 8-26-1999
APPROVED BY:
DRAWN BY: C.L.B.
REVISED:
Angelos Recycled Products
Tampa, Fl.
Plant 4 Flow Diagram


WOODED AREA
325HP CATERPILLAR
Generator Trailer
SPRAY
BARS
Magnet
Cedarapids
Cone
Crusher
Concrete
stockpile
Cedarapids
Impact Crusher
Conveyor
Belts
OVERSIZED
MATERIAL
Vibrating
Screener
SPRAY
BARS
Cedarapids
Grizzly Feeder
N
SPRINKLERS
Radial
Conveyor
Belt
SPRINKLERS
SPRINKLERS
SCALE
OFFICE
SPRINKLERS
Crushed Concrete
Stockpile
SPRINKLERS
PROPERTY LINE
Entrance
148th Ave.
12th Street
TO BEARSS AVE.
SOUTHDOWN CEMENT, INC.
CFTL
Central Florida Testing Laboratories
12625-40th Street North
Clearwater, Fl. 33762
SCALE: NTS
DATE: 8-31-1999
APPROVED BY:
DRAWN BY: C.L.B.
REVISED:
Angelos Recycled Products
Tampa, Fl.
Plant 4 Fugitive Control System

III. SUPPLEMENTAL INFORMATION

III. SUPPLEMENTAL INFORMATION
A. Initial Visible Emission Tests

CENTRAL FLORIDA TESTING LABORATORIES, INC.

VISIBLE EMISSIONS OBSERVATION FORM

EP 001 - Hopper / Feeder

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

FORM NUMBER: 1 | PAGE 1 OF 1

CONTINUED ON VEO NUMBER:

COMPANY NAME: Angelo's Recycled Materials, Inc. - Plant No.4

STREET ADDRESS: 1201 East 148th Avenue | CITY: Tampa

MAILING ADDRESS: Post Office Box 1493

CITY: Largo | STATE: Florida | ZIP: 33779

PHONE/KEY CONTACT: | SOURCE PERMIT NUMBER: 7775092-001-AC

PROCESS EQUIPMENT: Cedarapids - Portable Crushing Unit #4 | OPERATING MODE: *See Below

CONTROL EQUIPMENT: Water Spray Bar System | OPERATING MODE: 50-52 psi

DESCRIBE EMISSION PT.: At top of Feeding Hopper where loader dumps material & material vibrated to crusher

DISTANCE TO EMISS. PT. START: 86' END: 86' | DIRECTION TO EMISS. PT. (DEGREES) START: 270° END: 270°

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

VERTICAL ANGLE TO OBS. PT. START: 9° END: 9° | DIRECTION TO OBS PT. (DEGREES) START: 270° END: 270°

APPROX. DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV. PT START: We read atop of feeder

DESCRIBE EMISSIONS START: None END: None

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

DESCRIBE PLUME BACKGROUND START: Sky END: Sky

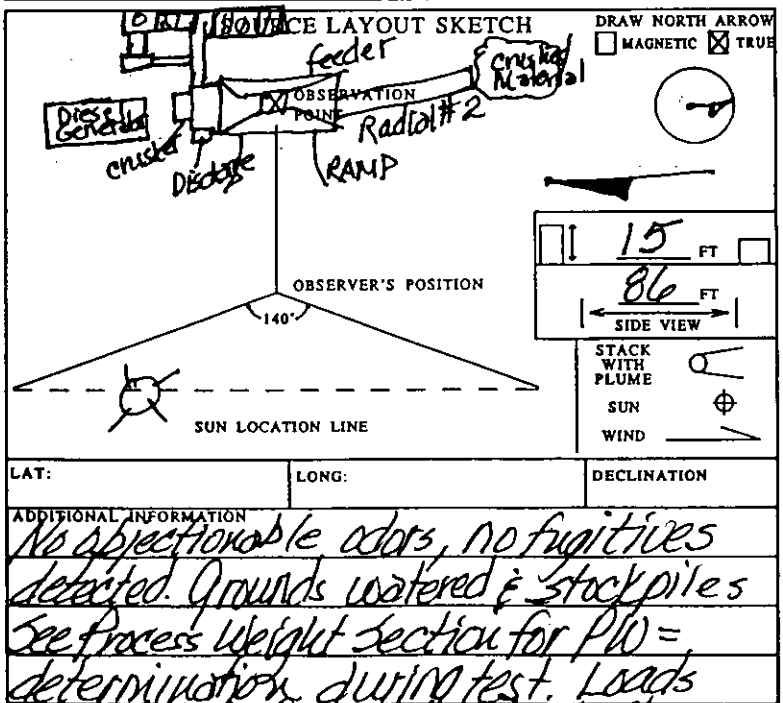
BACKGROUND COLOR START: Blue END: Blue | SKY CONDITIONS START: Clear END: Clear

WIND SPEED START: 0-2 mph END: 0-2 mph | WIND DIRECTION START: North From North END: North From North

AMBIENT TEMPERATURE START: °F END: 44.3°F | WET BULB TEMP. | PERCENT RH: 45%

SOURCE LAYOUT SKETCH

DRAW NORTH ARROW: ☐ MAGNETIC ☒ TRUE



LAT: | LONG: | DECLINATION

ADDITIONAL INFORMATION: No objectionable odors, no fugitives detected. Grounds watered & stockpiles See Process Weight Section for PW = determination during test. Loads consisted of concrete & asphalt

OBSERVATION DATE: 04-04-2000 | START TIME: 10:35:00 AM | END TIME: 11:34:45 AM

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

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

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

OBSERVER'S SIGNATURE: Bernard A. Ball Jr. | DATE: 4/4/2000

ORGANIZATION: Central Florida Testing Laboratories, Inc.

CERTIFIED BY: E.T.A. - Tampa | DATE: 2/2000

CENTRAL FLORIDA TESTING LABORATORIES, INC.

VISIBLE EMISSIONS OBSERVATION FORM

EP 002 - Jaw Crusher

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

FORM NUMBER | PAGE 1 OF 1

CONTINUED ON VEO NUMBER

COMPANY NAME: Angelo's Recycled Materials, Inc. - Plant No.4

STREET ADDRESS: 1201 East 148th Avenue | CITY: Tampa

MAILING ADDRESS: Post Office Box 1493

CITY: Largo | STATE: Florida | ZIP: 33779

PHONE/KEY CONTACT | SOURCE PERMIT NUMBER: 7775092-001-AC

PROCESS EQUIPMENT: Cedarapids Portable Crushing Unit No.4 | OPERATING MODE: See below

CONTROL EQUIPMENT: Water Spray Bar System | OPERATING MODE: 50-52psi

DESCRIBE EMISSION PT.: Bottom of crusher where material is discharged to conveyor belt

DISTANCE TO EMISS. PT. START: 86' END: 86' | DIRECTION TO EMISS. PT. (DEGREES) START: 268° END: 268°

HEIGHT OF EMISS PT. START: 5' END: 5' | HEIGHT TO EMISS. PT. REL. TO OBSERVER START: ~2' END: ~2'

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

APPROX. DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV. PT START: We read @ crusher discharge ✓ END:

DESCRIBE EMISSIONS START: None END: None

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

DESCRIBE PLUME BACKGROUND START: Gray Equipment END: Gray Equipment

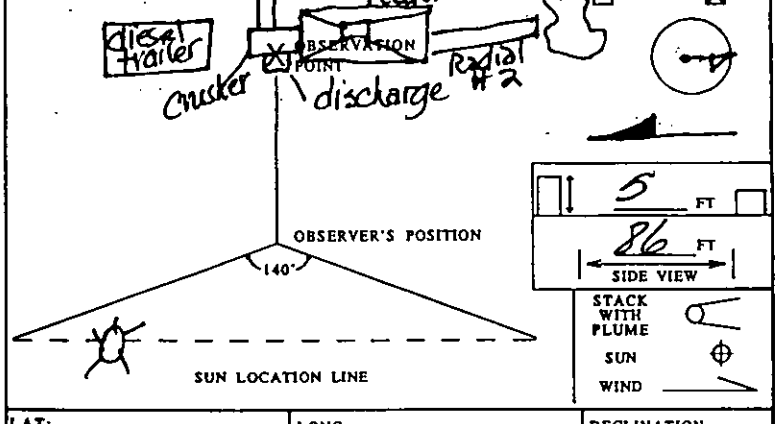
BACKGROUND COLOR START: Gray END: Gray | SKY CONDITIONS START: clear END: clear

WIND SPEED START: 0-2mph END: 0-2mph | WIND DIRECTION START: North FROM END: North

AMBIENT TEMPERATURE START: 42.0°F END: 44.1°F | WET BULB TEMP. | PERCENT RH: 45%

SOURCE LAYOUT SKETCH

DRAW NORTH ARROW ☐ MAGNETIC ☒ TRUE



LAT:	LONG:	DECLINATION

ADDITIONAL INFORMATION: No objectionable odors, no fugitives detected grounds & stockpiles watered. See Process Weight Section of Test for PW = Determination Crushing mixed concrete and asphalt

OBSERVATION DATE: 04-04-2000 | START TIME: 10:35:00AM | END TIME: 11:34:45AM

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

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

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

OBSERVER'S SIGNATURE: Bernard A Ball Jr. | DATE: 4/4/2000

ORGANIZATION: Central Florida Testing Laboratories, Inc.

CERTIFIED BY: E.T.A. - Tampa | DATE: 2/2000

CENTRAL FLORIDA TESTING LABORATORIES, INC.

VISIBLE EMISSIONS OBSERVATION FORM

EP003 - Cone Crusher

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

FORM NUMBER | PAGE 1 OF 1

CONTINUED ON VEO NUMBER

COMPANY NAME: Angelo's Recycled Materials, Inc. - Plant No.4

STREET ADDRESS: 1201 East 148th Avenue | CITY: Tampa

MAILING ADDRESS: Post Office Box 1493

CITY: Largo | STATE: Florida | ZIP: 33779

PHONE/KEY CONTACT | SOURCE PERMIT NUMBER: 7775092-001-AC

PROCESS EQUIPMENT: Cedarapids Portable Crushing Unit No.4 | OPERATING MODE: # See Below

CONTROL EQUIPMENT: Water Spray Bar System | OPERATING MODE: 50-52 psi

DESCRIBE EMISSION PT.: Top of cone crusher where material drops in.

DISTANCE TO EMISS. PT. START 56' END 56' | DIRECTION TO EMISS. PT. (DEGREES) START 302° END 302°

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

VERTICAL ANGLE TO OBS. PT. START 10° END 10° | DIRECTION TO OBS. PT. (DEGREES) START 302° END 302°

APPROX. DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV. PT START VE read atop of cone crusher ✓ END

DESCRIBE EMISSIONS START None END None

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

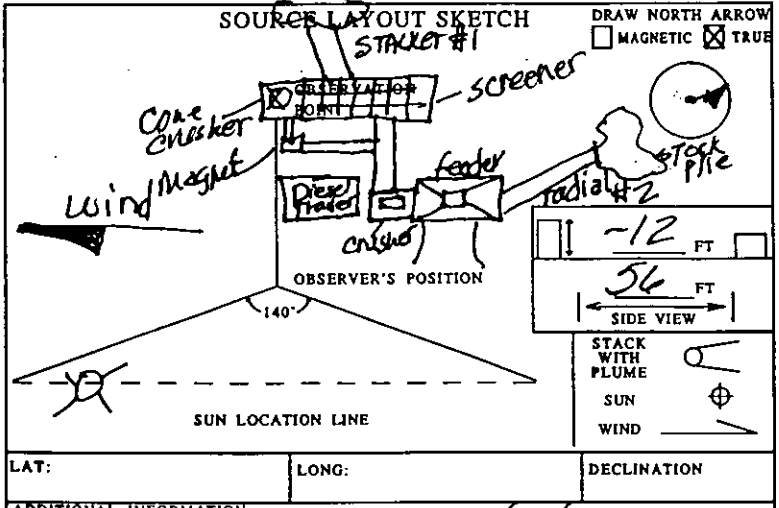
DESCRIBE PLUME BACKGROUND START Sky END Sky

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

WIND SPEED START 0-2mph END 0-2mph | WIND DIRECTION START North From END North

AMBIENT TEMPERATURE START 38.4°F END 42°F | WET BULB TEMP. | PERCENT RH 41%

SOURCE LAYOUT SKETCH — DRAW NORTH ARROW ☐ MAGNETIC ☒ TRUE



LAT: | LONG: | DECLINATION

ADDITIONAL INFORMATION: No objectionable odors, no fugitives detected. Grounds & stockpiles watered. See Process weight Section of Test for PW= Determination Crushing mixed concrete and asphalt.

OBSERVATION DATE: 04-04-2000 | START TIME: 9:30:00am | END TIME: 10:29:45am

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

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

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

OBSERVER'S SIGNATURE: Bernard A. Ball Jr. | DATE: 4/4/2000

ORGANIZATION: Central Florida Testing Laboratories, Inc.

CERTIFIED BY: E.T.A. - Tampa | DATE: 2/2000

CENTRAL FLORIDA TESTING LABORATORIES, INC.

VISIBLE EMISSIONS OBSERVATION FORM

EP004 "Vibrating screener"

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

FORM NUMBER: | PAGE / OF /

CONTINUED ON VEO NUMBER:

COMPANY NAME: Angelo's Recycled Materials, Inc. - Plant No.4

STREET ADDRESS: 1201 East 148th Avenue | CITY: Tampa

MAILING ADDRESS: Post Office Box 1493

CITY: Largo | STATE: Florida | ZIP: 33779

PHONE/KEY CONTACT: | SOURCE PERMIT NUMBER: 7775092-001-AC

PROCESS EQUIPMENT: Cedarapids, Inc. Portable Crushing Unit #4 | OPERATING MODE: *See Below

CONTROL EQUIPMENT: Water Spray Bar System | OPERATING MODE: 50-52 psi

DESCRIBE EMISSION PT.: Double Deck Vibrating Screener

DISTANCE TO EMISS. PT. START: 57' END: 57' | DIRECTION TO EMISS. PT. (DEGREES) START: 306° (NW) END: 306° (NW)

HEIGHT OF EMISS PT. START: ~12' END: ~12' | HEIGHT TO EMISS. PT. REL. TO OBSERVER START: ~8' END: ~8'

VERTICAL ANGLE TO OBS. PT. START: 70 END: 70 | DIRECTION TO OBS. PT. (DEGREES) START: 306° (NW) END: 306° (NW)

APPROX. DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV. PT START: ~6" above top screen END: ~6" above top screen

DESCRIBE EMISSIONS START: None END: None

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

DESCRIBE PLUME BACKGROUND START: Clear Blue Sky END: Clear Blue Sky

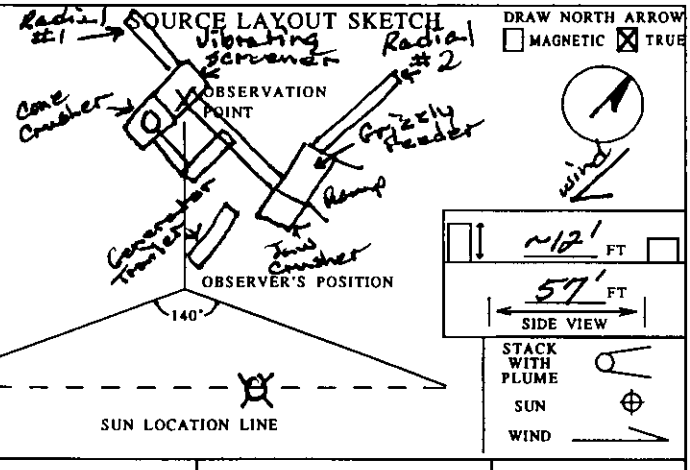
BACKGROUND COLOR START: Blue END: Blue | SKY CONDITIONS START: Clear END: Clear

WIND SPEED START: 0-2 mph END: 0-2 mph | WIND DIRECTION From START: North END: North

AMBIENT TEMPERATURE START: 58.4°F END: 62.0°F | WET BULB TEMP. | PERCENT RH: 41%

SOURCE LAYOUT SKETCH

DRAW NORTH ARROW: ☐ MAGNETIC ☒ TRUE



LAT: | LONG: | DECLINATION:

ADDITIONAL INFORMATION: No objectionable odors nor fugitives detected. See Process Weight section of test for PW determination during test. Grounds and stockpiles watered. Loads consisted of concrete and asphalt

OBSERVATION DATE: 4-4-2000 | START TIME: 9:31:00 AM | END TIME: 10:30:45 AM

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

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

OBSERVER'S NAME (PRINT): Christopher L. Briley

OBSERVER'S SIGNATURE: Christopher L. Briley | DATE: 4-4-2000

ORGANIZATION: Central Florida Testing Laboratories, Inc.

CERTIFIED BY: E.T.A. - Tampa | DATE: 2-22-2000

CENTRAL FLORIDA TESTING LABORATORIES, INC.

VISIBLE EMISSIONS OBSERVATION FORM

EPOOS "Magnet"

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

FORM NUMBER | PAGE 1 OF 1

CONTINUED ON VEO NUMBER

COMPANY NAME: Angelo's Recycled Materials, Inc. - Plant No.4

STREET ADDRESS: 1201 East 148th Avenue | CITY: Tampa

MAILING ADDRESS: Post Office Box 1493

CITY: Largo | STATE: Florida | ZIP: 33779

PHONE/KEY CONTACT | SOURCE PERMIT NUMBER: 7775092-001-AC

PROCESS EQUIPMENT: Cedarapids, Ind. Portable Crushing Unit #4 | OPERATING MODE: *See Below

CONTROL EQUIPMENT: Water Spray Bar System | OPERATING MODE: 50-52 psi

DESCRIBE EMISSION PT.: Metal separator Magnet @ discharge end of Crusher discharge conveyor belt.

DISTANCE TO EMISS. PT. START ~25' END ~25' | DIRECTION TO EMISS. PT. (DEGREES) START 319°(NW) END 319°(NW)

HEIGHT OF EMISS PT. START ~7' END ~7' | HEIGHT TO EMISS. PT. REL. TO OBSERVER START ~3' END ~3'

VERTICAL ANGLE TO OBS. PT. START 20 END 20 | DIRECTION TO OBS. PT. (DEGREES) START 319°(NW) END 319°(NW)

APPROX. DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV. PT START read @ belt drop pt. END read @ belt drop pt.

DESCRIBE EMISSIONS START None END None

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

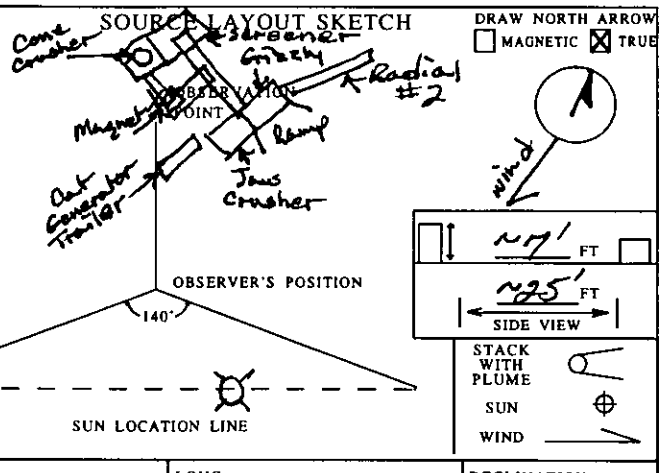
DESCRIBE PLUME BACKGROUND START Plant Machinery END Plant Machinery

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

WIND SPEED START 0-2mph END 0-2mph | WIND DIRECTION (From) START North END North

AMBIENT TEMPERATURE START 98.4°F END 42.0°F | WET BULB TEMP. | PERCENT RH 41%

SOURCE LAYOUT SKETCH



DRAW NORTH ARROW: ☐ MAGNETIC ☒ TRUE

LAT: | LONG: | DECLINATION

ADDITIONAL INFORMATION: No objectionable odors nor fugitives detected. See Process Weight section of test for PW determination during test. Grounds and stockpiles watered. Loads consisted of concrete and asphalt.

OBSERVATION DATE: 4-4-2000 | START TIME: 9:31:00 AM | END TIME: 10:30:45 AM

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

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

OBSERVER'S NAME (PRINT): Christopher L. Briley

OBSERVER'S SIGNATURE: Christopher L. Briley | DATE: 4-4-2000

ORGANIZATION: Central Florida Testing Laboratories, Inc.

CERTIFIED BY: E.T.A. - Tampa | DATE: 2-22-2000

CENTRAL FLORIDA TESTING LABORATORIES, INC.

VISIBLE EMISSIONS OBSERVATION FORM

EP006 - Radial Stacker No. 1

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

FORM NUMBER | PAGE 1 OF 1

CONTINUED ON VEO NUMBER

COMPANY NAME: Angelo's Recycled Materials, Inc. - Plant No.4

STREET ADDRESS: 1201 East 148th Avenue | CITY: Tampa

MAILING ADDRESS: Post Office Box 1493

CITY: Largo | STATE: Florida | ZIP: 33779

PHONE/KEY CONTACT | SOURCE PERMIT NUMBER: 7775092-001-AC

PROCESS EQUIPMENT: Cedarapids Portable Crushing Unit No. 4 | OPERATING MODE: See below

CONTROL EQUIPMENT: Water Spray Bar System | OPERATING MODE: 50-52 psi

DESCRIBE EMISSION PT.: where crushed material falls from Radial Stacker #1 to stockpile

DISTANCE TO EMISS. PT. START 102' END 102' | DIRECTION TO EMISS. PT. (DEGREES) START 280° END 280°

HEIGHT OF EMISS PT. START ~20' END ~20' | HEIGHT TO EMISS. PT. REL. TO OBSERVER START ~17' END ~17'

VERTICAL ANGLE TO OBS. PT. START 6° END 6° | DIRECTION TO OBS. PT. (DEGREES) START 280° END 280°

APPROX. DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV. PT. START @ drop point END We read @ drop point

DESCRIBE EMISSIONS START None END None

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

DESCRIBE PLUME BACKGROUND START Sky END Sky

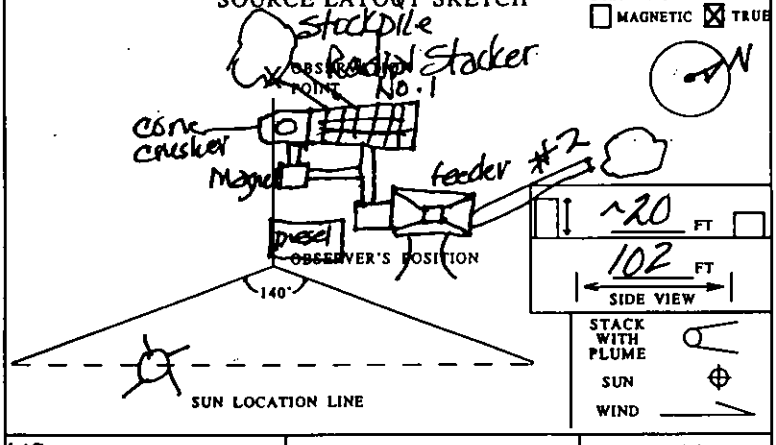
BACKGROUND COLOR START Blue END Blue | SKY CONDITIONS START Clear END Clear

WIND SPEED START 0-2 mph END 0-2 mph | WIND DIRECTION START North END North

AMBIENT TEMPERATURE START 38.9°F END 42°F | WET BULB TEMP. | PERCENT RH 41%

SOURCE LAYOUT SKETCH

DRAW NORTH ARROW: ☐ MAGNETIC ☒ TRUE



LAT: | LONG: | DECLINATION

ADDITIONAL INFORMATION: No objectionable odors, nor fugitives detected. Grounds, roadways & stockpiles being watered. See Process Weight Section of test for PW = determination. Crushing mixed concrete & asphalt for test.

OBSERVATION DATE: 04-04-2000 | START TIME: 9:30:00 am | END TIME: 10:29:45 am

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

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

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

OBSERVER'S SIGNATURE: Bernard A. Ball Jr. | DATE: 4/4/2000

ORGANIZATION: Central Florida Testing Laboratories, Inc.

CERTIFIED BY: E.T.A. - Tampa | DATE: 2/2000

CENTRAL FLORIDA TESTING LABORATORIES, INC.

VISIBLE EMISSIONS OBSERVATION FORM

"Radial #2"

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

FORM NUMBER | PAGE 1 OF 1

CONTINUED ON VEO NUMBER

COMPANY NAME: Angelo's Recycled Materials, Inc. - Plant No.4

STREET ADDRESS: 1201 East 148th Avenue | CITY: Tampa

MAILING ADDRESS: Post Office Box 1493

CITY: Largo | STATE: Florida | ZIP: 33779

PHONE/KEY CONTACT | SOURCE PERMIT NUMBER: 7775092-001-AC

PROCESS EQUIPMENT: Cedarapids, Inc. Portable Crushing Unit #4 | OPERATING MODE: *See Below

CONTROL EQUIPMENT: Water Spray Bar System | OPERATING MODE: 50-52 psi

DESCRIBE EMISSION PT.: Finished material radial discharge conveyor belt #2.

DISTANCE TO EMISS. PT. START 72' END 72' | DIRECTION TO EMISS. PT. (DEGREES) START 294°(WNW) END 294°(WNW)

HEIGHT OF EMISS PT. START ~20' END ~20' | HEIGHT TO EMISS. PT. REL. TO OBSERVER START ~16' END ~16'

VERTICAL ANGLE TO OBS. PT. START 7° END 7° | DIRECTION TO OBS. PT. (DEGREES) START 294°(WNW) END 294°(WNW)

APPROX. DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV. PT START read @ belt drop pt. END read @ belt drop pt.

DESCRIBE EMISSIONS START None END None

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

DESCRIBE PLUME BACKGROUND START Clear Blue Sky END Clear Blue Sky

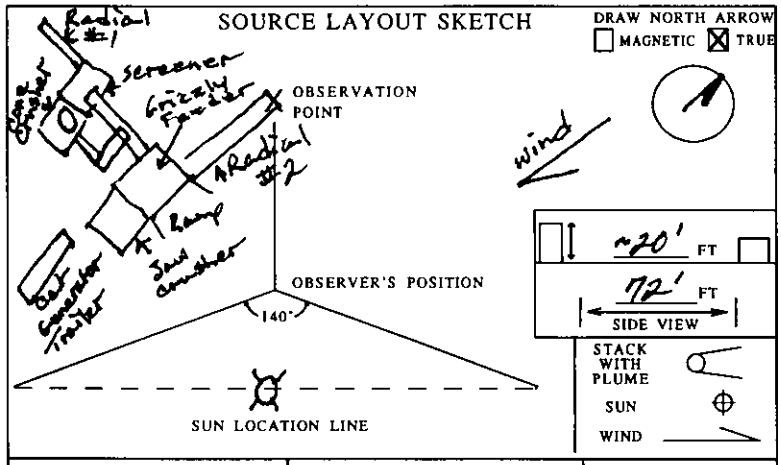
BACKGROUND COLOR START Blue END Blue | SKY CONDITIONS START Clear END Clear

WIND SPEED START 0-2 mph END 0-2 mph | WIND DIRECTION FROM START North END North

AMBIENT TEMPERATURE START 42.0°F END 44.3°F | WET BULB TEMP. | PERCENT RH 45%

SOURCE LAYOUT SKETCH

DRAW NORTH ARROW: ☐ MAGNETIC ☒ TRUE



LAT: | LONG: | DECLINATION

ADDITIONAL INFORMATION: No objectionable odors nor fugitives detected. See Process Weight section of test for PW determination during test. Grounds and stockpiles watered. Loads consisted of concrete and asphalt.

OBSERVATION DATE: 4-4-2000 | START TIME: 10:35:00 AM | END TIME: 11:34:45 AM

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

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

OBSERVER'S NAME (PRINT): Christopher L. Briley

OBSERVER'S SIGNATURE: Christopher L. Briley | DATE: 4-4-2000

ORGANIZATION: Central Florida Testing Laboratories, Inc.

CERTIFIED BY: E.T.A. - Tampa | DATE: 2-22-2000

CENTRAL FLORIDA TESTING LABORATORIES, INC.

VISIBLE EMISSIONS OBSERVATION FORM

Diesel Generator EP-007

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

FORM NUMBER | PAGE 1 OF 1

CONTINUED ON VEO NUMBER

COMPANY NAME: Angelo's Recycled Materials, Inc. - Plant No.4

STREET ADDRESS: 1201 East 148th Avenue | CITY: Tampa

MAILING ADDRESS: Post Office Box 1493

CITY: Largo | STATE: Florida | ZIP: 33779

PHONE/KEY CONTACT | SOURCE PERMIT NUMBER: 7775092-001-AC

PROCESS EQUIPMENT: Cedarapids Portable Crushing Plant No.4 - Generator | OPERATING MODE: See Below

CONTROL EQUIPMENT: None | OPERATING MODE: None

DESCRIBE EMISSION PT.: 10" exhaust stack exiting top of diesel trailer

DISTANCE TO EMISS. PT. START 92' END 92' | DIRECTION TO EMISS. PT. (DEGREES) START 232° END 232°

HEIGHT OF EMISS. PT. START ~17' END ~17' | HEIGHT TO EMISS. PT. REL. TO OBSERVER START ~14' END ~14'

VERTICAL ANGLE TO OBS. PT. START 10° END 10° | DIRECTION TO OBS. PT. (DEGREES) START 232° END 232°

APPROX. DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV. PT START read at exhaust exit ✓

DESCRIBE EMISSIONS START Heat Vapors END Heat Vapors

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

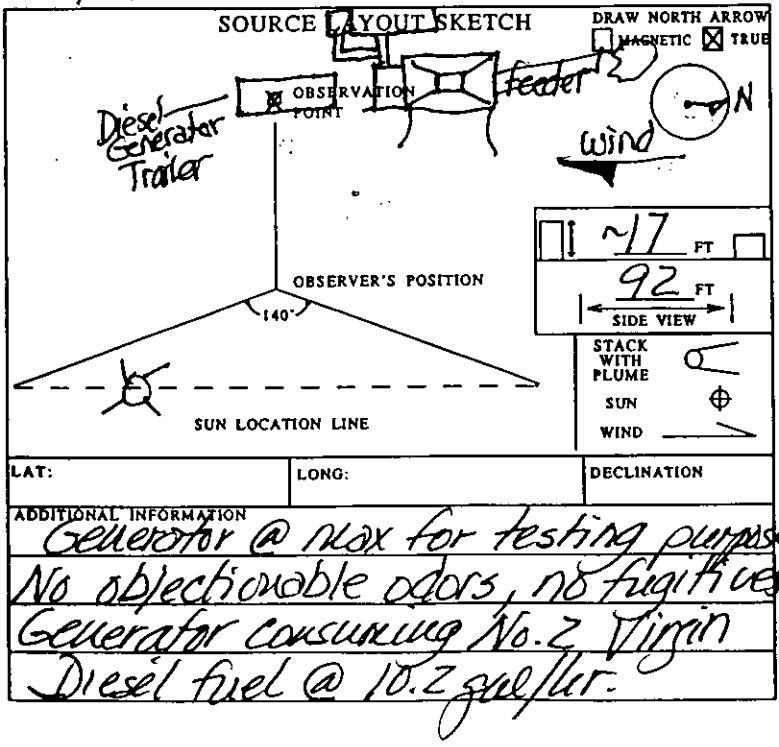
DESCRIBE PLUME BACKGROUND START Sky END Sky

BACKGROUND COLOR START Blue END Blue | SKY CONDITIONS START Clear END Clear

WIND SPEED START 0-2 mph END 0-2 mph | WIND DIRECTION START North From END North

AMBIENT TEMPERATURE START 42°F END 44.1°F | WET BULB TEMP. | PERCENT RH 45%

SOURCE LAYOUT SKETCH — DRAW NORTH ARROW ☐ MAGNETIC ☒ TRUE



LAT: | LONG: | DECLINATION

ADDITIONAL INFORMATION: Generator @ max for testing purposes
No objectionable odors, no fugitives
Generator consuming No.2 Virgin Diesel fuel @ 10.2 gal/hr.

OBSERVATION DATE: 04-04-2000 | START TIME: 10:35:00am | END TIME: 11:34:35am

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

AVERAGE OPACITY 0% | HIGHEST SIX MINUTE INTERVAL 0%

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

OBSERVER'S SIGNATURE: Bernard A. Ball Jr. | DATE: 4/4/2000

ORGANIZATION: Central Florida Testing Laboratories, Inc.

CERTIFIED BY: E.T.A. - Tampa | DATE: 4/2000

III. SUPPLEMENTAL INFORMATION
B. Process Weight Determination

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

ANGELO'S RECYCLED MATERIALS, INC.
Reclaimed Asphalt & Concrete Crushing Unit No.4
Initial Emissions Compliance Test
Determination of Process Weight

Date	Run No.	Time		Total Material Crushed (weigh bridge)	
		Start	Stop	Start	Stop
04/04/00	V.E.	9:15 a.m.	11:45 a.m.	0.0	490.5

PROCESS WEIGHT

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

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

Run No.IVE

$$Pw = \frac{(490.5)\text{ tons}}{\text{2 hour 30 minutes}} = 196.2\text{ ton/hr}$$

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 Refining&Marketing Inc.-Port Manatee
SAMPLE SUBMITTED BY: Intertek Caleb Brett
SAMPLE DESCRIPTION: DIESEL HIGH SULFUR

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

BY Marie Calhoon
MARIE F. CALHOON, CHEMIST

III. SUPPLEMENTAL INFORMATION
D. Plant Operation & Maintenance Logs

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. 1/3/00	7:00	12:00	8	1071	60	7:00	3:30	8 ½	51	Sprinklers ON!			
	12:30	3:30											
Tues. 1/4/00													
Wed. 1/5													
Thurs. 1/6													
Fri. 1/7													
Sat. 1/8													
Sun.													
Weekly Totals:			8	1071				8.5	51				

ANGELO'S RECYCLED PRODUCTS
CRUSHER @ Bearss Ave.
DAILY LOG SHEET

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. 1/10	7:30	9:30	2	250	60	7:30	9:30	02	12				
Tues. 1/11	D		0	NW	NW								
Wed. 1/12	D		0	NW	NW								
Thurs. 1/13	7:30 - 12:00 12:30	4:30	8 ½	1473	60	7:30	4:30	9	54				
Fri. 1/14	7:30 - 12:00 12:30	4:00	8	664	60	7:30	4:00	8½	51				
Sat.													
Sun.													
Weekly Totals:			18.5	2387				19½	117				

SPRINKLED

ANGELO'S RECYCLED PRODUCTS
CRUSHER @ Bearss Ave.
DAILY LOG SHEET

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. 1/17	7:30	12:00	9	1033	60	7:30	5:00	9 ½	57	sprinklers on 9 hrs			
	12:30	5:00											
Tues. 1/18	7:30 - 12:00		6 ½	1289	60	7:30	2:30	7	42	sprinklers on 5 Hrs			
	12:30 - 2:30												
Wed. 1/19	~~8:00~~	~~12:00~~	~~8~~	~~1033~~	~~60~~	~~8:00~~	~~4:30~~	~~8 ½~~	~~51~~ D	D W		~	
	~~12:30~~	~~4:30~~											
Thurs. 1/20	7:30	12:00	9	1787	60	7:30	5:00	9 ½	57	sprinklers on 7.5 hrs			
	12:30	5:00											
Fri. 1/21	8:00	12:00	7 ½	1329	60	7:00	4:00	9	54	sprinklers on 4.0 hrs			
	12:30	4:00											
Sat.													
Sun.													
Weekly Totals:			32	5438				35	210				

ANGELO'S RECYCLED PRODUCTS
CRUSHER @ Bearss Ave.
DAILY LOG SHEET

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. 1/24	DOWN												
Tues. 1/25	1:00	4:30	3½	515	60	12:30	4:30	4	24			3 HRS	
Wed. 1/26	8:00 12:00 12:30	1:30	5	963	60	7:30	1:30	6	36			2.5 HRS	
Thurs. 1/27	9:00 12:00 1:00	4:30	6½	1151	60	9:00	4:30	7½	42			5 hrs	
Fri. 1/28	8:00	1:30	5½	1024	60	8:00	1:30	6	36			3 hrs	
Sat. 1/29	Down												
Sun. 1/30	Down												
Weekly Totals:			20.5	3653				23.5	138				

ANGELO'S RECYCLED PRODUCTS
CRUSHER @ Bearss Ave.
DAILY LOG SHEET

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. 1/31													
Tues. 2/1													
Wed. 2/2													
Thurs. 2/3													
Fri. 2/4													
Sat. 2/5													
Sun. 2/6													
Weekly Totals:													

ANGELO'S RECYCLED PRODUCTS
CRUSHER @ Bearss Ave.
DAILY LOG SHEET

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. 2/7													
Tues. 2/8													
Wed. 2/9													
Thurs. 2/10													
Fri. 2/11													
Sat. 2/12													
Sun. 2/13													
Weekly Totals:													

ANGELO'S RECYCLED PRODUCTS
CRUSHER @ Bearss Ave.
DAILY LOG SHEET

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. 2/14													
Tues. 2/15													
Wed. 2/16													
Thurs. 2/17													
Fri. 2/18													
Sat. 2/19													
Sun. 2/20													
Weekly Totals:													

ANGELO'S RECYCLED PRODUCTS
CRUSHER @ Bearss Ave.
DAILY LOG SHEET

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													
Tues. 2/22													
Wed. 2/23													
Thurs. 2/24													
Fri. 2/25													
Sat. 2/26													
Sun. 2/27													
Weekly Totals:													

ANGELO'S RECYCLED PRODUCTS
CRUSHER @ Bearss Ave.
DAILY LOG SHEET

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. 2/28													
Tues. 2/29													
Wed. 3/1													
Thurs. 3/2													
Fri. 3/3													
Sat. 3/4													
Sun. 3/5													
Weekly Totals:													

ANGELO'S RECYCLED PRODUCTS
CRUSHER @ Bearss Ave.
DAILY LOG SHEET

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. 3/6/00													
Tues. 3/7/00													
Wed. 3/8/00													
Thurs. 3/9/00													
Fri. 3/10/00													
Sat. 3/11/00													
Sun. 3/12/00													
Weekly Totals:													

ANGELO'S RECYCLED PRODUCTS
CRUSHER @ Bearss Ave.
DAILY LOG SHEET

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. 3/13/00													
Tues. 3/14/00													
Wed. 3/15/00													
Thurs. 3/16/00													
Fri. 3/17/00													
Sat. 3/18/00													
Sun. 3/19/00													
Weekly Totals:													

ANGELO'S RECYCLED PRODUCTS
CRUSHER @ Bearss Ave.
DAILY LOG SHEET

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. 3/20/00													
Tues. 3/21/00													
Wed. 3/22/00													
Thurs. 3/23/00													
Fri. 3/24/00													
Sat. 3/25/00													
Sun. 3/26/00													
Weekly Totals:													

ANGELO'S RECYCLED PRODUCTS
CRUSHER @ Bearss Ave.
DAILY LOG SHEET

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. 3/27/00	Down												
Tues. 3/28/00	Down												
Wed. 3/29/00	Down												
Thurs. 3/30/00	Down												
Fri. 3/31/00	8:00	12:00	5	500	40	—		—	—	sprinkler		4 hrs	
	12:30	1:30											
Sat. 4/1/00	Down												
Sun. 4/2/00	Down												
Weekly Totals:			5	500									

ANGELO'S RECYCLED PRODUCTS
CRUSHER @ Bearss Ave.
DAILY LOG SHEET

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. 4/3/00	9:00	12:00	6	700	40	—		—	—	sprinkler 5.0			
	12:30	3:30											
Tues. 4/4/00	7:00	12:00	8 1/2	800	40	—		—	—	sprinkler 7.0		replace the rom -	bolts in fix wire
	12:30	3:30											
Wed. 4/5/00	7:00	12:00	8	750	40	—		—	—	sprinkler 8.0		gone back	- expose wire
	12:30	3:00											
Thurs. 4/6/00	7:00	12:00	9 1/2	1000	40	—		—	—	sprinkler 7.5		—	—
	12:30	5:00											
Fri. 4/7/00	7:00	10:00	6	600	40	—		—	—	sprinkler 5.0		straught magnet	belt on
	2:00	5:00											
Sat 4/8/00	Down												
Sun 4/9/00	Down												
Weekly Totals:			38	3850									

ANGELO'S RECYCLED PRODUCTS
CRUSHER @ Bearss Ave.
DAILY LOG SHEET

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. 4/10/00	7:00	12:00	8	1000	40	—		—	—	sprinkles 8.0		plate loose on clean up, jaw	the jaw. join.
	12:30	3:30											
Tues. 4/11/00	8:30	12:00	6½	900	40	—		—	—	sprinkles 5.5		Straight the plate under the jaw.	magnet, bolt near the
	12:30	3:30											
Wed. 4/12/00	7:00	12:00	7½	835	40	—		—	—	sprinkles 7.5		clean the steel in the conveyer, set the swle, under near the	welld the plate magnet
	12:30	3:00											
Thurs. 4/13/00	7:00	9:00	2	186	40	—		—	—	sprinkles 4.0		Toggle plate	broke
Fri. 4/14/00	Down												
Sat. 4/15/00	Down												
Sun. 4/16/00	Down												
Weekly Totals:			24	2921									

ANGELO'S RECYCLED PRODUCTS
CRUSHER @ Bearss Ave.
DAILY LOG SHEET

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. 4/17/00	7:00	12:00	8	685	40	—		—	—	sprinkles	7.5	No ram, no magnet, In and Out the ram.	
	12:30	3:30										980 C out of fuel	
Tues. 4/18/00	7:00	12:00	8	1200	40	—		—	—	sprinkles	9.0	Crusher plug, clean	
	12:30	3:30										Steel, secondary magnet broke	
Wed. 4/19/00	8:00		4	600	40	—		—	—	sprinkles	7.5	Clean up, fix wiper, fix magnet, clean metal.	
		12:00											
Thurs. 4/20/00													
Fri. 4/21/00													
Sat. 4/22/00													
Sun. 4/23/00													
Weekly Totals:													

ANGELO'S RECYCLED PRODUCTS
CRUSHER @ Bearss Ave.
DAILY LOG SHEET