

Jeb Bush
Governor

Department of Environmental Protection

Marjory Stoneman Douglas Building
3900 Commonwealth Boulevard
Tallahassee, Florida 32399-3000

David B. Struhs
Secretary

P.E. Certification Statement

Angelo's Recycled Materials, Inc., Plant No. 3
Initial Project Site:
1440 South Perimeter Road
West Palm Beach, FL 33406

DEP File No.: 7770179-002-AC
Facility ID No.: 7770179-002

Project: Modification to Relocatable Source Air Construction Permit, Plant No. 3

I HEREBY CERTIFY that the engineering features described in the above referenced application and related additional information submittals, if any, and subject to the proposed permit conditions, provide reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4 and 62-204 through 62-297. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including but not limited to the electrical, mechanical, structural, hydrological, and geological features).

This review was conducted by Ross Pollock under my responsible supervision.

Jonathan H. Holtom
Jonathan Holtom, P.E.
Registration Number: 0052664

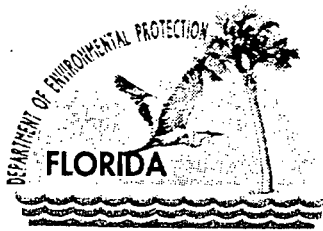
11/15/99
Date

Permitting Authority:

Florida Department of Environmental Protection
Division of Air Resources Management
Bureau of Air Regulation
New Source Review Section
Mail Station #5505
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Telephone: 850/488-0114
Fax: 850/922-6979

"Protect, Conserve and Manage Florida's Environment and Natural Resources"



Jeb Bush
Governor

Department of Environmental Protection

Marjory Stoneman Douglas Building
3900 Commonwealth Boulevard
Tallahassee, Florida 32399-3000

David B. Struhs
Secretary

NOTICE OF PERMIT EXTENSION AND MINOR MODIFICATION

Mr. Bob Coble, General Manager
Angelo's Recycled Materials, Inc.
Post Office Box 1493
Largo, Florida 33779-1493

RE: Angelo's Recycled Materilas, Inc., Plant No.3, Permit No. 7770179-002-AC (Expiration Date Extension and Minor Modification for Construction Permit No. 7770179-001-AC)

Dear Mr. Coble:

The Department received your letter dated August 30, 1999 requesting an extension of time for the above referenced air permit as well as a change in the initial location of the facility. As requested, the Department hereby amends this permit, by revising the expiration date from **September 15, 1999, to March 31, 2000**. Enclosed, please find the revised permit, which includes the changes outlined below.

The initial location of operation has been changed as follows:

From:

Central Control Road
Air Force Demolition and Debris Landfill Site
Cape Canaveral

To:

1440 South Perimeter Road
West Palm Beach, FL 33406

In addition, Appendix PC has been added to the permit and conditions 5 and 20 of the referenced permit are changed:

From:

5. Extension of Expiration Date: This air construction permit shall expire on September 15, 1999. The permittee may, for good cause, request that this construction permit be extended. Such a request shall be submitted to the Department's Bureau of Air Regulation prior to 60 days before the expiration of the permit.

[Rules 62-210.300(1), 62-4.070(4) and 62-4.210, F.A.C]

20. Test Notification: The owner or operator shall notify the Department's district office and, if applicable, appropriate local program, at least 30 days prior to the date on which each formal compliance test is to begin. Notification shall include the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.

[Rule 62-297.310(7)(a)9., F.A.C., 40 CFR 60.8]

[Note: The federal requirements of 40 CFR 60.8 require 30 days notice of the initial test and any tests required under section 114 of the Clean Air Act.]

To:

5. Extension of Expiration Date: This air construction permit shall expire on March 31, 2000. The permittee may, for good cause, request that this construction permit be extended. Such a request shall be submitted to the Department's Bureau of Air Regulation prior to 60 days before the expiration of the permit.

[Rules 62-210.300(1), 62-4.070(4) and 62-4.210, F.A.C]

20. Test Notification: The owner or operator shall notify the Department's district office and, if applicable, appropriate local program, at least 15 days prior to the date on which each formal compliance test is to begin. Notification shall include the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.

[Rule 62-297.310(7)(a)9., F.A.C., 40 CFR 60.8]

[Note: The federal requirements of 40 CFR 60.8 require 30 days notice of the initial test and any tests required under section 114 of the Clean Air Act, but the Department rules require 15 days notice for the annual compliance tests. Unless otherwise advised by the Department, provide 15 days notice prior to conducting annual tests, except for the initial test when 30 days notice is required.]

The applicant has also removed equipment from the facility since the original construction permit was issued. Therefore the facility description has been changed:

From:

This facility consists of a 200 ton per hour (TPH) Cedarapids, Inc. Model 3054 Crusher, a 200 TPH Bohringer Inc., Model RC14 secondary impact crusher and associated equipment (feeder, screens, and conveyors) and a 545 kilowatt (KW) Caterpillar Model 3412 diesel powered generator. Fugitive particulate matter emissions throughout the crushing unit are controlled by a water suppression system with spray bars located at the various emissions points throughout the plant. Emissions from the diesel engine powered generator are uncontrolled.

To:

This facility consists of a 200 ton per hour (TPH) Bohringer, Inc., Model RC14 crusher and associated equipment (feeder, screens, and conveyors) and a 545 kilowatt (KW) Caterpillar Model 3412 diesel powered generator. Fugitive particulate matter emissions throughout the crushing unit are controlled by a water suppression system with spray bars located at the various emissions points throughout the plant. Emissions from the diesel engine powered generator are uncontrolled.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: 850/488-9730; Fax: 850/487-4938). Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the permitting authority for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the permitting authority's action is based must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of how and when each petitioner received notice of the agency action or proposed action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and,
- (f) A demand for relief.

A petition that does not dispute the material facts upon which the permitting authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the permitting authority's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the permitting authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation will not be available in this proceeding.

In addition to the above, a person subject to regulation has a right to apply to the Department of Environmental Protection for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542, F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. The petition must specify the following information:

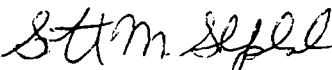
- (a) The name, address, and telephone number of the petitioner;
- (b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any;
- (c) Each rule or portion of a rule from which a variance or waiver is requested;
- (d) The citation to the statute underlying (implemented by) the rule identified in (c) above;
- (e) The type of action requested;
- (f) The specific facts that would justify a variance or waiver for the petitioner;
- (g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and,
- (h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in Section 120.542(2), F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Any party to this order has the right to seek judicial review of the permit pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the permitting authority in the Legal Office; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 (thirty) days from the date this Notice is filed with the Clerk of the permitting authority.

This application is being processed and is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Florida Department of Environmental Protection, 111 South Magnolia, Tallahassee, Florida 32301.

Executed in Tallahassee, Florida.

for 
C. H. Fancy, P.E., Chief,
Bureau of Air Regulation

Certificate of Service

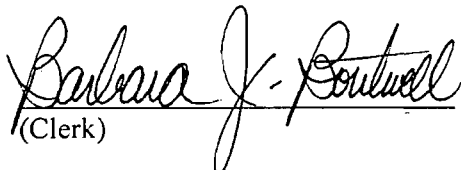
The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT EXTENSION AND MINOR MODIFICATION was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 11/19/99 to the persons listed:

Mr. Bob Coble, General Manager, Angelo's Recycled Materials, Inc.*
Mr. Bernard A. Ball, Jr., Central Florida Testing Laboratories
Len Kozlov, DEP Central District
Isidore Goldman, DEP Southeast District
James Stomer, Palm Beach County Health Department
Marie Driscoll, Orange County Environmental Protection Department

11/19/99 cc - Reading File

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Sec. 120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.


(Clerk) 11/19/99
(Date)

**Amendment to Technical Evaluation and Preliminary Determination
Angelo's Recycled Materials, Inc., Plant No. 3
Permit No. 7770179-002-AC
Relocatable Concrete and Asphalt Crusher**

Angelo's Recycled Materials, Inc. has previously applied for and received a construction permit for this facility. Angelo's Recycled Materials, Inc. has applied for a modification to the construction permit due to minor changes to the facility, and to change the initial location of operation. Due to the changes in the facility the Department has reevaluated the potential impact of emissions from the facility.

The applicant has removed equipment from the facility, including a secondary impact crusher and a feeder, since the original construction permit was issued. Therefore, the facility description has been changed:

From:

This facility consists of a 200 ton per hour (TPH) Cedarapids, Inc. Model 3054 Crusher, a 200 TPH Bohringer Inc., Model RC14 secondary impact crusher and associated equipment (feeder, screens, and conveyors) and a 545 kilowatt (KW) Caterpillar Model 3412 diesel powered generator. Fugitive particulate matter emissions throughout the crushing unit are controlled by a water suppression system with spray bars located at the various emissions points throughout the plant. Emissions from the diesel engine powered generator are uncontrolled.

To:

This facility consists of a 200 ton per hour (TPH) Bohringer, Inc., Model RC14 crusher and associated equipment (feeder, screens, and conveyors) and a 545 kilowatt (KW) Caterpillar Model 3412 diesel powered generator. Fugitive particulate matter emissions throughout the crushing unit are controlled by a water suppression system with spray bars located at the various emissions points throughout the plant. Emissions from the diesel engine powered generator are uncontrolled.

The changes in the facility have resulted in a change in emissions from the facility. The emissions have changed as follows:

From:

Pollutants	Estimated Hourly Emissions lb/hr	Estimated Annual Emissions TPY
Crusher		
PM/PM ₁₀	0.1	0.2
Diesel Power		
NO _x	18.3	28.5
SO ₂	1.2	1.9
CO	3.9	6.1
PM ₁₀	1.3	2.0
VOC	1.5	2.3

To:

Pollutants	Estimated Hourly Emissions lb/hr	Estimated Annual Emissions TPY
Crusher		
PM/PM ₁₀	2.1	3.3
Diesel Power		
NO _x	15.2	23.7
SO ₂	1.0	1.6
CO	3.3	5.1
PM ₁₀	1.1	1.7
VOC	1.2	1.9

[Note: The particulate matter emissions from the crusher in the original Technical Evaluation are only for the primary crusher. The emissions in the modification reflect particulate matter emissions from feeders, conveyors and screeners at the facility resulting in higher emissions.]

Conclusion

Based on the previous technical evaluation of the original application, and an evaluation of the request to modify the construction permit the Department has made a preliminary determination that the proposed project will comply with all applicable state and federal air pollution regulations provided the Department's restrictions described in the Specific Conditions of the proposed permit are met. The General and Specific Conditions are listed in the attached permit.

TECHNICAL EVALUATION
AND
PRELIMINARY DETERMINATION

Angelo's Recycled Materials
Aggregate Processing Plant No. 3

Portable Concrete and Asphalt Crusher
State Wide Operation

Air Construction Permit No. 7770179-001-AC

Facility ID No. 7770179
Unit No. 01 (Crusher, Conveyors, Materials handling)
Unit No. 02 (Diesel Engine Powered Generator)
Relocatable Unit

Department of Environmental Protection
Division of Air Resources Management
Bureau of Air Regulation

January 13, 1999

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

1. APPLICATION INFORMATION

1.1 Applicant's Name and Address

Mr. Bob Coble, General Manager
Angelo's Recycled Materials, Inc.
P. O. Box 1493
Largo, Florida 33779-1493

1.2 *Reviewing and Processing Schedule*

November 2, 1998 Date of Receipt of Complete Application

2. FACILITY INFORMATION

2.1 *Relocatable concrete and asphalt crushing unit operating throughout Florida.*

Angelo's Recycled Materials, Inc. plans to operate a 200 TPH Cedarapids, Inc. Model No. 3054 mobile crushing unit at sites in Florida. Major components of the crusher are a grizzly feeder, impact crusher, vibrating screen, conveyors, and 545 KW Caterpillar Model No.3412 diesel powered generator. Water will be added as needed to control fugitive dust emissions.

2.2 *Standard Industrial Classification Code (SIC)*

Major Group No.	14	Mining and Quarrying of Nonmetallic Minerals
Group No.	1429	Stone Quarrying/Processing

2.3 *Facility Category*

The portable crusher emits particulate matter from the handling and crushing of the concrete and asphalt material and the normal products of combustion from the diesel fuel burned in the diesel engine used to power the crusher.

The portable crusher operated by the applicant is classified as a minor air pollutant emitting facility. Air pollutant emissions are less than 100 TPY of any single criteria air pollutant.

This facility is not on the list of the 28 Major Facility Categories, Table 62-212.400-1. This facility is also classified as a synthetic non-Title V facility.

Based on the specific conditions in the draft permit and the physical restrictions of the equipment, this facility is classified as a *minor source* of air pollution.

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

3. PROJECT DESCRIPTION

3.1 *This permit addresses the following emissions units:*

EMISSION UNIT NO.	SYSTEM	EMISSION UNIT DESCRIPTION
001	Size Reduction	Cedarapids, Inc. Crusher, Model No. 3054
002	Diesel Powered Generator	545 KW Caterpillar Model 3412 diesel powered generator

4. PROCESS DESCRIPTION

4.1 *General Information*

Concrete or asphalt material is fed to the crusher and reduced in size. The crushed material is screened and stored in an open area. It is loaded and unloaded from trucks. Dust from the crushing of the rocks will be controlled by wetting with water when necessary. Power for the unit comes from a diesel engine which burns a maximum of 30 gallons per hour of fuel containing up to 0.5 percent sulfur.

5. RULE APPLICABILITY

The proposed project is subject to preconstruction review requirements under the provisions of Chapter 403, Florida Statutes, and Chapters 62-4, 62-204, 62-210, and 62-212, of the Florida Administrative Code (F.A.C.).

This relocatable facility may operate in more than one county in Florida. The proposed project is not subject to review under Rule 62-212.400., F.A.C., Prevention of Significant Deterioration (PSD), because it is a minor unit and the potential emission increases for all criteria pollutants do not exceed the significant emission rates given in Chapter 62-212, Table 62-212.400-2, F.A.C.

A determination of Best Available Control Technology (BACT) is not required for this minor facility. No analysis of the air quality impact of the proposed project's impacts on soils, vegetation and visibility; along with air quality impacts resulting from associated commercial, residential and industrial growth is required for a minor facility.

The crusher and associated equipment are subject to 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants. The diesel engine is subject to Rule 62-210.300, Permits Required, however there are no unit specific regulatory requirements that apply. Its potential emissions will be limited by the hours of operation. No regular testing is required, however if the Department has reason to believe that a violation of the facility wide visible emissions limit has occurred, a special compliance test can be ordered.

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

The emission units affected by this permit shall comply with all applicable provisions of the Florida Administrative Code and, specifically, the following Chapters and Rules:

Chapter 62-4	Permits.
Rule 62-210.300	Permits Required
Rule 62-210.350	Public Notice and Comments
Rule 62-210.370	Reports
Rule 62-210.650	Circumvention
Rule 62-210.700	Excess Emissions
Rule 62-210.900	Forms and Instructions
Rule 62-212.300	General Preconstruction Review Requirements
Rule 62-296.320	General Pollutant Emission Limiting Standards
Rule 62-297.310	General Test Requirements
Rule 62-297.400	EPA Methods Adopted by Reference
Rule 62-297.401	EPA Test Procedures

6. SOURCE IMPACT ANALYSIS

6.1 Emission Limitations

The proposed portable crusher will emit the following PSD pollutants (Table 212.400-2): particulate matter, sulfur dioxide, nitrogen oxides, volatile organic compounds, and carbon monoxide. The estimated emissions for these emission units are summarized in the following table.

6.2 Emission Summary

The unit is a minor source for all criteria air pollutants. Following are the estimated emissions which are based on 3,120 hours per year of operation.

Pollutants	Estimated Hourly Emissions lb/hr	Estimated Annual Emissions TPY
Crusher		
PM/PM ₁₀	0.8	3.49
Diesel Power		
NO _x	18.3	28.5
SO ₂	1.2	1.9
CO	3.9	6.1
PM ₁₀	1.3	2.0
VOC	1.5	2.3

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

6.3 *Control Technology Review*

The crusher unit and associated conveyors are potential sources of fugitive particulate matter emissions. Emissions shall be controlled by wetting the material being processed when needed.

The diesel engine powering the crusher will emit products of combustion. However, there are no unit specific regulatory requirements which apply to the diesel engine. In order to reasonably assure that the facility does not become subject to Title V regulations, at the applicant's request, a facility-wide limitation to the hours of operation has been imposed.

Emissions from these units are limited by production and hours per year operation limits.

6.4 *Air Quality Analysis*

An air quality analysis was not conducted for this project. The Department does not expect the low emissions from this operation to have a significant impact on the ambient air quality.

7. CONCLUSION

Based on the foregoing technical evaluation of the application, the Department has made a preliminary determination that the proposed project will comply with all applicable state and federal air pollution regulations provided the Department's restrictions described in the Specific Conditions of the proposed permits are met. The General and Specific Conditions are listed in the attached permit.

Permit Engineer: Ross Pollock

Reviewed and Approved by: Jonathan Holtom, P.E.

PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DRAFT Permit No.: 7770179-002-AC
Angelo's Recycled Materials, Inc.

The Department of Environmental Protection (Department) gives notice of its intent to issue an amended air construction permit to Angelo's Recycled Materials, Inc. for a diesel engine powered portable concrete and asphalt material crusher that will be operated at construction and industrial sites throughout Florida. The crusher is a minor source of air pollution and not subject to the Prevention of Significant Deterioration (PSD) regulations, Rule 62-212.400, F.A.C. A Best Available Control Technology determination was not required for this facility. The applicant's name and address are: Angelo's Recycled Materials, Inc., P. O. Box 1493, Largo, Florida 33779-1493.

The applicant proposes to operate the facility in counties covered by this notice. The proposed initial location is 1440 South Perimeter Road, West Palm Beach, Palm Beach County. The units will emit fugitive particulate matter and the products of combustion from the diesel fuel. Air pollution control is accomplished by wetting as needed.

Total emissions of pollutants from the facility are estimated to be:

Pollutants	Estimated Hourly Emissions lb/hr	Estimated Annual Emissions TPY
Crusher		
PM/PM ₁₀	2.1	3.3
Diesel Power		
NO _x	15.2	23.7
SO ₂	1.0	1.6
CO	3.3	5.1
PM ₁₀	1.1	1.7
VOC	1.2	1.9

Because of the low emissions and limited time of operation at any one site, the crusher will not cause or contribute to any violation of an ambient air quality standard.

The Department will issue the Amended Construction Permit unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed Amended Construction Permit issuance actions for a period of 14 (fourteen) days from the date of publication of this Notice. Written comments should be provided to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this Amended Permit, the Department shall issue a Revised Permit and require, if applicable, another Public Notice.

The Department will issue the Amended Construction Permit unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57 F.S. Mediation is not available for this action. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57 F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000, telephone: 850/488-9370, fax: 850/487-4938. Petitions must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. A petitioner must mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under

Sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-5.207 of the Florida Administrative Code.

A petition must contain the following information: (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Permit File Numbers and the county in which the project is proposed; (b) A statement of how and when each petitioner received notice of the Department's action or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the material facts disputed by petitioner, if any; (e) A statement of the facts that the petitioner contends warrant reversal or modification of the Department's action or proposed action; (f) A statement identifying the rules or statutes that the petitioner contends require reversal or modification of the Department's action or proposed action; and (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take with respect to the Department's action or proposed action addressed in this notice of intent.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

A copy of the amended construction permit and the technical evaluation are available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Florida Dept. of Environmental
Protection
Bureau of Air Regulation
111 S. Magnolia Drive, Suite 4
Tallahassee, Florida 32301
Telephone: 850/488-0114

Palm Beach County Health Department
Division of Environmental Science &
Engineering
901 Evermia Street
West Palm Beach, Florida 33401
Telephone: 561/355-3070

Dept. of Environmental Protection
Southeast District
400 North Congress Avenue
West Palm Beach, Florida 33401
Telephone: 561/681-6600

The complete project file, which includes the application, technical evaluation, permits, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S., is available in the office of the permitting authority in Tallahassee. Interested persons may contact either Jonathan Holtom, P.E. or Ross Pöllock, project engineer at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/488-0114, for additional information.



Jeb Bush
Governor

Department of Environmental Protection

Marjory Stoneman Douglas Building
3900 Commonwealth Boulevard
Tallahassee, Florida 32399-3000

David B. Struhs
Secretary

PERMITTEE

Angelo's Recycled Materials, Inc.
Aggregate Processing Plant No. 3
P.O. Box 1493
Largo, Florida 33779-1493

FID No.:	7770179
Permit No.:	7770179-002-AC
SIC No.:	1429
Expires:	March 31, 2000

AUTHORIZED REPRESENTATIVE:

Mr. Dennis Price, General Manager

PROJECT

This permit allows the applicant to construct a relocatable diesel engine powered portable concrete and asphalt material crushing plant.

STATEMENT OF BASIS

This construction permit is issued under the provisions of Chapter 403 of the Florida Statutes (F.S.), and the Florida Administrative Code (F.A.C.) Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297. The above named permittee is authorized to construct the facility in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department of Environmental Protection (Department).

APPENDIX

The attached appendices are a part of this permit:

Appendix GC General Permit Conditions
Appendix PC Permitted Counties

Howard L. Rhodes, Director
Division of Air Resources
Management

SECTION II. FACILITY-WIDE SPECIFIC CONDITIONS

FACILITY DESCRIPTION

This facility consists of a 200 ton per hour (TPH) Bohringer, Inc., Model RC14 crusher and associated equipment (feeder, screens, and conveyors) and a 545 kilowatt (KW) Caterpillar Model 3412 diesel powered generator. Fugitive particulate matter emissions throughout the crushing unit are controlled by a water suppression system with spray bars located at the various emissions points throughout the plant. Emissions from the diesel engine powered generator are uncontrolled.

REGULATORY CLASSIFICATION

The crusher portion of this facility is subject to regulation under 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants. The generator portion of the facility is regulated under 62-210.300, Permits Required, however there are no unit specific regulatory requirements that apply.

RELEVANT DOCUMENTS

The documents listed below are the basis of the permit. They are specifically related to this permitting action. These documents are on file with the Department.

- Application received (Bureau of Air Regulation) November 2, 1998
- Draft Permit issued January 20, 1999
- Public Notice of Intent published January 29, 1999 in the Orlando Sentinel
- Public Notice of Intent published February 8, 1999 in the Tampa Tribune
- Draft Permit comments received from Gary Robbins, Pinellas County February 10, 1999
- Request for permit extension and modification received September 13, 1999

PERMITTED COUNTIES

See Appendix PC – Permitted Counties.

OPERATING LOCATION

The facility will begin initial operation at 1440 South Perimeter, West Palm Beach, Palm Beach County. The UTM coordinates of this location are Zone 17 ; 592.1 km E ; 2951.4 km N. Latitude 26° 40' 55"N/Longitude 80° 04' 27"W.

SECTION II. FACILITY-WIDE SPECIFIC CONDITIONS

The following specific conditions apply to all emissions units at this facility.

ADMINISTRATIVE

1. Regulating Agencies: All documents relating to the initial application for a permit to operate and all initial compliance tests shall be submitted to the Department's Bureau of Air Regulation in Tallahassee. Subsequent applications for permit renewals, reports, tests, minor modifications, and notifications shall be submitted to the district office or local program that has permitting/compliance jurisdiction over the current or proposed operating location.
2. General Conditions: The owner and operator are subject to and shall operate under the attached General Permit Conditions G.1 through G.15 listed in Appendix GC of this permit. General Permit Conditions are binding and enforceable pursuant to Chapter 403 of the Florida Statutes.
[Rule 62-4.160, F.A.C.]
3. Terminology: The terms used in this permit have specific meanings as defined in the corresponding chapters of the Florida Administrative Code.
4. Forms and Application Procedures: The permittee shall use the applicable forms listed in Rule 62-210.900, F.A.C. and follow the application procedures in Chapter 62-4, F.A.C.
[Rule 62-210.900, F.A.C.]
5. Extension of Expiration Date: This air construction permit shall expire on March 31, 2000. The permittee may, for good cause, request that this construction permit be extended. Such a request shall be submitted to the Department's Bureau of Air Regulation prior to 60 days before the expiration of the permit.
[Rules 62-210.300(1), 62-4.070(4) and 62-4.210, F.A.C.]
6. Relocation Notification: At least 7 days prior to relocating the plant to an approved county where public notice was published within the last 5 years, the permittee shall notify the air program administrator for the Department's district office and/or, if applicable, appropriate local program. The notification shall be submitted using DEP Form 62-210.900(3), F.A.C., along with the appropriate processing fee. All potential operation sites shall be shown on a USGS topographic map. A county license, a discretionary public notice, or additional restrictions for the operation at a specific site may be imposed by the district office or local program. If the public notice for a proposed county is more than 5 years old, or if the proposed county was never covered by a public notice, this form shall be submitted at least 30 days in advance of the move and a public notice shall be published prior to operating in the proposed county. Each time that the permittee submits a Notice to Relocate, the operation permit shall be revised to reflect the new location.
[Rule 62-210.370(1), F.A.C.]
7. Operation Permit Required: This permit authorizes construction and/or installation of the permitted emissions unit and initial operation to determine compliance with Department rules. An operation permit is required for regular operation of the permitted emissions unit. The owner or operator shall apply for and receive an operation permit prior to expiration of this permit. To apply for an operation permit, the applicant shall submit the appropriate application fee and, in quadruplicate, the appropriate application form, a certification that construction was completed with a notation of any deviations from the conditions in the construction permit, compliance test results, and such additional information as the Department may by law require.
[F.A.C. Rules 62-4.030, 62-4.050, 62-4.220 and 62-210.300(2)]

SECTION II. FACILITY-WIDE SPECIFIC CONDITIONS

8. Applicable Regulations: Unless otherwise indicated in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of Chapter 403, F.S. and Florida Administrative Code Chapters 62-4, 62-110, 62-204, 62-296, 62-297 and the Code of Federal Regulations Title 40, Part 60, adopted by reference in the Florida Administrative Code (F.A.C.) regulations. Issuance of this permit does not relieve the facility owner or operator from compliance with any applicable federal, state, or local permitting or regulations.
[Rules 62-204.800 and 62-210.300, F.A.C.]

EMISSION LIMITING STANDARDS

9. General Visible Emissions Standard: Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions elsewhere in this permit, no person shall cause, let, permit, suffer, or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20% opacity). If a special compliance test is required (see specific condition 21), the test method for visible emissions shall be EPA Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C.
[Rule 62-296.320(4)(b)1, F.A.C.]
10. Unconfined Emissions of Particulate Matter:
- (a) No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions.
 - (b) Any permit issued to a facility with emissions of unconfined particulate matter shall specify the reasonable precautions to be taken by that facility to control the emissions of unconfined particulate matter.
 - (c) Reasonable precautions committed to by the permittee:
 - Emissions that might be generated from various emission points throughout the crushing unit are controlled by a water suppression system with spray bars located at the various emissions points located throughout the plant.
 - All stockpiles and roadways where this crushing unit is located are watered on a regular basis by water truck equipped with spray bars, to control any fugitive emissions that may be generated by vehicular traffic or prevailing winds.
 - (d) In determining what constitutes reasonable precautions for a particular source, the Department shall consider the cost of the control technique or work practice, the environmental impacts of the technique or practice, and the degree of reduction of emissions expected from a particular technique or practice.
- [Rule 62-296.320(4)(c), F.A.C. and Permit Application received 11/2/98.]

SECTION II. FACILITY-WIDE SPECIFIC CONDITIONS

11. General Pollutant Emission Limiting Standards:

- (a) No person shall store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department.
- (b) No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor.

[Note: An objectionable odor is defined in Rule 62-210.200(198), F.A.C., as any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance.]

[Rule 62-296.320(1)(a)&(2), F.A.C.]

OPERATIONAL REQUIREMENTS

- 12. Modifications: No emissions unit or facility subject to this rule shall be constructed or modified without obtaining an air construction permit from the Department. Such permit must be obtained prior to the beginning of construction or modification.
[Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]
- 13. Plant Operation - Problems: If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by hazard of fire, wind or by other cause, the permittee shall immediately notify the Department's district office and, if applicable, appropriate local program. The notification shall include pertinent information as to the cause of the problem, and what steps are being taken to correct the problem and to prevent its recurrence, and where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with Department rules.
[Rule 62-4.130, F.A.C.]
- 14. Circumvention: No person shall circumvent any air pollution control device or allow the emission of air pollutants without the applicable air pollution control device operating properly.
[Rule 62-210.650, F.A.C.]
- 15. Hours of Operation: This facility is allowed to operate up to 3,120 hours during any calendar year.
[Rule 62-210.200, F.A.C., Definitions-potential to emit (PTE) and applicant request.]
- 16. Excess Emissions: The following excess emissions provisions can not be used to vary any NSPS requirements (from any subpart of 40 CFR 60).
 - (a) Excess emissions resulting from start-up, shutdown or malfunction of any emissions units shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized, but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration.
[Rule 62-210.700(1), F.A.C.]
 - (b) Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during start-up, shutdown, or malfunction shall be prohibited.
[Rule 62-210.700(4), F.A.C.]

SECTION II. FACILITY-WIDE SPECIFIC CONDITIONS

COMPLIANCE MONITORING AND TESTING REQUIREMENTS

17. Operating Rate During Testing: Unless otherwise stated in the applicable emission limiting standard rule, testing of emissions shall be conducted with the emissions unit operating at permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity (i.e., at less than 90 percent of the maximum operation rate allowed by the permit); in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted provided however, operations do not exceed 100 percent of the maximum operation rate allowed by the permit. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity.
[Rule 62-297.310(2), F.A.C.]
18. Test Procedures shall meet all applicable requirements of Rule 62-297.310(4), F.A.C.
[Rule 62-297.310(4), F.A.C.]
19. Determination of Process Variables:
- (a) Required Equipment. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.
 - (b) Accuracy of Equipment. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.
[Rule 62-297.310(5), F.A.C.]
20. Test Notification: The owner or operator shall notify the Department's district office and, if applicable, appropriate local program, at least 15 days prior to the date on which each formal compliance test is to begin. Notification shall include the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.
[Rule 62-297.310(7)(a)9., F.A.C., 40 CFR 60.8]

[Note: The federal requirements of 40 CFR 60.8 require 30 days notice of the initial test and any tests required under section 114 of the Clean Air Act, but the Department rules require 15 days notice for the annual compliance tests. Unless otherwise advised by the Department, provide 15 days notice prior to conducting annual tests, except for the initial test when 30 days notice is required.]

SECTION II. FACILITY-WIDE SPECIFIC CONDITIONS

21. Special Compliance Tests: When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the facility to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions units and to provide a report on the results of said tests to the Department.
[Rule 62-297.310(7)(b), F.A.C.]

REPORTING AND RECORD KEEPING REQUIREMENTS

22. Duration of Record Keeping: Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These records shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
[Rule 62-4.160(14)(a)&(b), F.A.C.]
23. Test Reports: The owner or operator of an emissions unit for which a compliance test is required shall file a report with the Department on the results of each such test. The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed. The test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. As a minimum, the test report, other than for an EPA or DEP Method 9 test, shall provide the applicable information listed in Rule 62-297.310(8)(c), F.A.C.
[Rule 62-297.310(8), F.A.C.]
24. Excess Emissions Report: If excess emissions occur, the owner or operator shall notify the Department within one working day of: the nature, extent, and duration of the excess emissions; the cause of the excess emissions; and the actions taken to correct the problem. In addition, the Department may request a written summary report of the incident. Pursuant to the Standards of Performance for New Stationary Sources, excess emissions shall also be reported in accordance with 40 CFR 60.7, Subpart A.
[Rule 62-4.130, F.A.C.]
25. Excess Emissions Report - Malfunctions: In case of excess emissions resulting from malfunctions, each owner or operator shall notify the Department or the appropriate local program in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report if requested by the Department.
[Rule 62-210.700(6), F.A.C.]

SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

The following specific conditions apply to the following emissions units after construction:

EMISSIONS UNIT NO.	EMISSIONS UNIT DESCRIPTION
001	This unit consists of a 200 TPH Bohringer, Inc. Model RC14 impact crusher and associated equipment (feeder, screens, and conveyors).
002	545 KW Caterpillar Model 3412 diesel powered generator.

NOTE: Emissions unit 001 is subject to 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants (40 CFR 60.670 - 60.676) and 40 CFR 60 Subpart A, revised as of July 1, 1997.

OPERATIONAL REQUIREMENTS

- Hours of Operation:** These emissions units are allowed to operate up to 3,120 hours during any calendar year.
[Rule 62-210.200, F.A.C., Definitions-potential to emit (PTE) and applicant request]
- Permitted Capacity:** The crusher may process up to 200 TPH (monthly average) and 624,000 TPY of material (total).
[Rule 62-210.200, F.A.C., Definitions-potential to emit (PTE) and applicant request]
- Operation and Maintenance (O&M):** The permittee shall keep an O&M plan for the air pollution control equipment with the facility. The O&M log shall include the list of the parameters being monitored, the frequency of the check/maintenance, observations, and comments.
[Rule 62-4.070(3), F.A.C.]

EMISSION LIMITATIONS AND PERFORMANCE STANDARDS

- Visible Emissions:** The emission points described in unit 001 are subject to the visible emission limits of 40 CFR 60 Subpart OOO, as outlined below in Table 1.

Table 1: Process Emission Source Visible Emission Limits

Emission Source	VE Limit (% Opacity)
Receiving Hopper/Grizzly Feeder	10
Crusher	15*
Portable Belt Conveyor(s)	10**
Screen(s)	15
Truck Loading/Unloading	<20

* This limit applies since no capture system is used.

** This limit applies to transfer points onto conveyor belts only.

[40 CFR 60.672]

SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

5. No Visible Emissions - Saturated Materials: No owner or operator shall cause to be discharged into the atmosphere any visible emissions from:
- (a) Wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin.
 - (b) Screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line.

[40 CFR 60.672 (h)(1)&(2)]

COMPLIANCE MONITORING AND TESTING REQUIREMENTS

6. Test Frequency: The owner or operator of the facility shall conduct visible emissions tests annually, in accordance with the conditions listed below.
[Rule 62-297.310(7)(a)4.a. F.A.C.]
7. Visible Emissions Test Duration - Truck Loading/Unloading: For the truck loading/unloading operation, compliance with the visible emissions limitation shall be determined using EPA Method 9 as contained in Rule 62-297.401, F.A.C. The visible emissions test shall be conducted by a certified observer and be a minimum of: 12 minutes in duration (or 3 batches) during truck loading. The visible emissions test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. The minimum requirements for stationary point source emission test procedures shall be in accordance with Rule 62-297, F.A.C., and 40 CFR 60, Appendix A.
[Rule 62-210.200, F.A.C.]
8. Visible Emissions Test Method: In determining compliance with the particulate matter standards in 40 CFR 60.672 (b) and (c) (see specific condition 4), the owner or operator shall use Method 9 and the procedures in 40 CFR 60.11, with the following additions:
- (a) The minimum distance between the observer and the emissions source shall be 4.57 meters (15 feet).
 - (b) The observer shall, when possible, select a position that minimizes interference from other fugitive emissions units (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.
 - (c) For affected emissions units using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.

[40 CFR 60.675(c)(1)(i), (ii) & (iii)]

SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

9. Visible Emissions Test Duration - Initial

(a) When determining compliance with the fugitive emissions standard for any affected facility described under 40 CFR 60.672(b) (see specific condition 3), the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:

- (i) There are no individual readings greater than 10 percent opacity; and
- (ii) There are no more than 3 readings of 10 percent for the 1-hour period.

[40 CFR 60.675(c)(3)(i) & (ii)]

(b) When determining compliance with the fugitive emissions standard for any crusher at which a capture system is not used as described under 40 CFR 60.672(c), the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:

- (i) There are no individual readings greater than 15 percent opacity; and
- (ii) There are no more than 3 readings of 15 percent for the 1-hour period.

[40 CFR 60.675(c)(4)(i) & (ii)]

10. Visible Emissions Test Duration – Annual

When either EPA Method 9 or DEP Method 9 is specified as the applicable opacity test method, the required minimum period of observation for a compliance test shall be sixty (60) minutes for emissions units which emit or have the potential to emit 100 tons per year or more of particulate matter, and thirty (30) minutes for emissions units which have potential emissions less than 100 tons per year of particulate matter and are not subject to a multiple-valued opacity standard. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur.

[Rule 62-297.310(4)(a)2]

11. Visible Emissions Test - Emissions Interference: For the method and procedure of 40 CFR 60.675(c) [specific condition 8 of Section III of this permit, above], if emissions from two or more emissions units continuously interfere so that the opacity of fugitive emissions from an individual affected emissions unit cannot be read, either of the following procedures may be used:

- (a) Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected emissions units contributing to the emissions stream
- (b) Separate the emissions so that the opacity of emissions from each affected emissions unit can be read.

[40 CFR 60.675(e)(1)(i)&(ii)]

12. No Tests Required - Saturated Materials: Method 9 performance tests under 40 CFR 60.11 and 40 CFR 60.675 are not required for:

- (a) Wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to, but not including the next crusher, grinding mill or storage bin.
- (b) Screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, that process saturated materials up to the first crusher, grinding mill, or storage bin in the production line.

[40 CFR 60.675(h)(1)&(2)]

SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

REPORTING AND RECORD KEEPING REQUIREMENTS

13. Log: The permittee shall maintain a log showing the annual hours of operation per year and fuel consumption. Operators shall keep a log to include, at a minimum, the following information:

- (a) The daily location and production rate.
- (b) The daily hours of operation of the crusher system.
- (c) Daily diesel fuel usage.
- (d) Maintenance and repair logs for any work performed on the permitted emissions units.
- (e) Daily logs regarding the use of wetting agents to control fugitive dust.

This data shall be made available to the Department or county upon request.

[Rule 62-4.070(3), F.A.C.]

14. Test Reports: The owner or operator shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b) and 40 CFR 60.672(c).

(b) The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed.

(c) The test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. As a minimum, the test report, other than for an EPA Method 9 test, shall provide the following information:

- 1. The type, location, and designation of the emissions unit tested.
- 2. The facility at which the emissions unit is located.
- 3. The owner or operator of the emissions unit.
- 4. The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.
- 5. The method, raw data and computations used to determine the amount of fuels used and materials processed, if necessary to determine compliance with an applicable emission limiting standard.
- 6. The type of air pollution control devices installed on the emissions unit, its general condition, their normal operating parameters (pressure drops, total operating current and GPM scrubber water), and their operating parameters during each test run.

[40 CFR 60.676(f), Rule 62-297.310(8)(b)&(c)1. - 6., F.A.C.]

15. Change From Saturated to Unsaturated Material: The owner or operator of any screening operation, bucket elevator, or belt conveyor that processes saturated material and is subject to 40 CFR 60.672(h) and subsequently processes unsaturated materials, shall submit a report of this change within 30 days following such change. This screening operation, bucket elevator, or belt conveyor is then subject to the 10 percent opacity limit in 40 CFR 60.672(b) and the emission test requirements of 40 CFR 60.11 and 40 CFR Subpart OOO. Likewise a screening operation, bucket elevator, or belt conveyor that processes unsaturated material but subsequently processes saturated material shall submit a report of this change within 30 days following such change. This screening operation, bucket elevator, or belt conveyor is then subject to the no visible emission limit in 40 CFR 60.672(h).

[40 CFR 60.676(g)]

SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

16. Records Retention: This facility shall maintain a central file containing all measurements, records, and other data that are required to be collected pursuant to the various specific conditions of this permit. (See also, specific condition 22, Section II of this permit.)
[Rule 62-4.160(14)(a)&(b), F.A.C.]

SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

NSPS GENERAL PROVISIONS

[Note: The numbering of the original rules in the following conditions has been preserved for ease of reference.]

17. Pursuant to 40 CFR 60.7 Notification And Record Keeping:

- (a) Any owner or operator subject to the provisions of 40 CFR 60 shall furnish the Administrator written notification as follows:
- (4) A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice.
- (b) The owner or operator subject to the provisions of 40 CFR 60 shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.
- (f) The owner or operator subject to the provisions of 40 CFR 60 shall maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by 40 CFR 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least three years following the date of such measurements, maintenance, reports, and records.

[40 CFR 60.7]

18. Pursuant to 40 CFR 60.8 Performance Tests:

- (a) Within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility and at such other times as may be required by the Administrator under section 114 of the Act, the owner or operator of such facility shall conduct performance test(s) and furnish the Administrator a written report of the results of such performance test(s).
- (b) Performance tests shall be conducted and data reduced in accordance with the test methods and procedures contained in each applicable subpart unless the Administrator (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, (3) approves the use of an alternative method the results of which he has determined to be adequate for indicating whether a specific source is in compliance, (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Administrator's satisfaction that the affected facility is in compliance with the standard, or (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors. Nothing in this paragraph shall be construed to abrogate the Administrator's authority to require testing under section 114 of the Act.

SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

- (c) Performance tests shall be conducted under such conditions as the Administrator shall specify to the plant operator based on representative performance of the affected facility. The owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of the performance tests. Operations during periods of startup, shutdown, and malfunction shall not constitute representative conditions for the purpose of a performance test nor shall emissions in excess of the level of the applicable emission limit during periods of startup, shutdown, and malfunction be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard.
- (d) The owner or operator of an affected facility shall provide the Administrator at least 30 days prior notice of any performance test, except as specified under other subparts, to afford the Administrator the opportunity to have an observer present.

[40 CFR 60.8]

19. Pursuant to 40 CFR 60.11 Compliance With Standards And Maintenance Requirements:

- (a) Compliance with standards in 40 CFR 60, other than opacity standards, shall be determined only by performance tests established by 40 CFR 60.8, unless otherwise specified in the applicable standard.
- (b) Compliance with opacity standards in 40 CFR 60.11 shall be determined by conducting observations in accordance with Reference Method 9 in appendix A of 40 CFR 60.11, any alternative method that is approved by the Administrator, or as provided in 40 CFR 60.11(e)(5). [Under certain conditions (40 CFR 60.675(c)(3)&(4)), Method 9 observation time may be reduced from 3 hours to 1 hour. Some affected facilities are exempted from Method 9 tests (40 CFR 60.675 (h)). See specific condition 9, Section III, above for test duration requirements.]
- (c) The opacity standards set forth in 40 CFR 60.11 shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided in the applicable standard.
- (d) At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
- (g) For the purpose of submitting compliance certifications or establishing whether or not a person has violated or is in violation of any standard in this part, nothing in this part shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed.

[40 CFR 60.11]

SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

20. Pursuant to 40 CFR 60.12 Circumvention:

No owner or operator subject to the provisions of 40 CFR 60.12 shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

[40 CFR 60.12]

21. Pursuant to 40 CFR 60.19 General notification and reporting requirements:

- (a) For the purposes of this part, time periods specified in days shall be measured in calendar days, even if the word "calendar" is absent, unless otherwise specified in an applicable requirement.
- (b) For the purposes of this part, if an explicit postmark deadline is not specified in an applicable requirement for the submittal of a notification, application, report, or other written communication to the Administrator, the owner or operator shall postmark the submittal on or before the number of days specified in the applicable requirement. For example, if a notification must be submitted 15 days before a particular event is scheduled to take place, the notification shall be postmarked on or before 15 days preceding the event; likewise, if a notification must be submitted 15 days after a particular event takes place, the notification shall be delivered or postmarked on or before 15 days following the end of the event. The use of reliable non-Government mail carriers that provide indications of verifiable delivery of information required to be submitted to the Administrator, similar to the postmark provided by the U.S. Postal Service, or alternative means of delivery agreed to by the permitting authority, is acceptable.
- (c) Notwithstanding time periods or postmark deadlines specified in this part for the submittal of information to the Administrator by an owner or operator, or the review of such information by the Administrator, such time periods or deadlines may be changed by mutual agreement between the owner or operator and the Administrator. Procedures governing the implementation of this provision are specified in paragraph (f) of this section.
- (d) If an owner or operator of an affected facility in a State with delegated authority is required to submit periodic reports under this part to the State, and if the State has an established timeline for the submission of periodic reports that is consistent with the reporting frequency(ies) specified for such facility under this part, the owner or operator may change the dates by which periodic reports under this part shall be submitted (without changing the frequency of reporting) to be consistent with the State's schedule by mutual agreement between the owner or operator and the State. The allowance in the previous sentence applies in each State beginning 1 year after the affected facility is required to be in compliance with the applicable subpart in this part. Procedures governing the implementation of this provision are specified in paragraph (f) of this section.
- (f)(1)(i) Until an adjustment of a time period or postmark deadline has been approved by the Administrator under paragraphs (f)(2) and (f)(3) of this section, the owner or operator of an affected facility remains strictly subject to the requirements of this part.
- (ii) An owner or operator shall request the adjustment provided for in paragraphs (f)(2) and (f)(3) of this section each time he or she wishes to change an applicable time period or postmark deadline specified in this part.

SECTION III. EMISSIONS UNITS SPECIFIC CONDITIONS

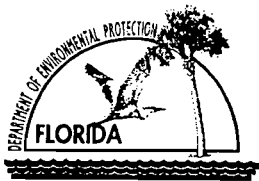
- (2) Notwithstanding time periods or postmark deadlines specified in this part for the submittal of information to the Administrator by an owner or operator, or the review of such information by the Administrator, such time periods or deadlines may be changed by mutual agreement between the owner or operator and the Administrator. An owner or operator who wishes to request a change in a time period or postmark deadline for a particular requirement shall request the adjustment in writing as soon as practicable before the subject activity is required to take place. The owner or operator shall include in the request whatever information he or she considers useful to convince the Administrator that an adjustment is warranted.
- (3) If, in the Administrator's judgment, an owner or operator's request for an adjustment to a particular time period or postmark deadline is warranted, the Administrator will approve the adjustment. The Administrator will notify the owner or operator in writing of approval or disapproval of the request for an adjustment within 15 calendar days of receiving sufficient information to evaluate the request.
- (4) If the Administrator is unable to meet a specified deadline, he or she will notify the owner or operator of any significant delay and inform the owner or operator of the amended schedule.

[40 CFR 60.19]

**ANGELO'S RECYCLED
MATERIALS, INC.
Portable Crushing Plant No.3**

Revision to FDEP Construction Permit
FDEP Construction Permit No. 7770179-001-AC

SEPTEMBER - 1999



Department of Environmental Protection

Division of Air Resources Management

APPLICATION FOR AIR PERMIT - NON-TITLE V SOURCE

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

I. APPLICATION INFORMATION

Identification of Facility

1. Facility Owner/Company Name: ANGELO'S RECYCLED MATERIALS, INC.	
2. Site Name: ANGELO'S RECYCLED MATERIALS, INC. - CRUSHING UNIT NO. 3	
3. Facility Identification Number: <input type="checkbox"/> Unknown	
4. Facility Location: Street Address or Other Locator: 1440^{South} Perimeter Road City: West Palm Beach County: Palm Beach Zip Code: 33406	
5. Relocatable Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6. Existing Permitted Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Application Contact

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

Current construction permit number: _____

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

Current construction permit number: 7770179-001-AC.

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: _____

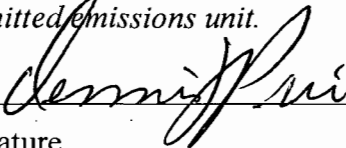
Reason for revision: _____

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. Dennis Price, Environmental Manager
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>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.</i>  Signature _____ Date <u>9/10/99</u>

* 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 or to revise or amend construction permit (check here [X], if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.

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

Signature

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.	ACM2	N/A
002	Bohringer, Inc. Model #RC14 Impact Crushing Unit and Discharge Pan – where crushed material exits crushing unit and falls onto conveyor belt	ACM2	
003	Cedarapids/Simplicity – Vibrating Screening Deck (7' x 20') – used to separate crushed material into a desired size.	ACM2	
004	Crushed Material Feed Conveying System (4' x 30') , used to convey crushed material from crusher to magnet to screen conveyor	ACM2	
005	Pre-Screening Conveying System (4' x 50') – used to convey crushed material from magnet drop point to vibrating screener	ACM2	
006	Radial Stacker Belt No.1 (4'x 80') – drop point were material falls from belt to crushed material stockpile	ACM2	
007	Radial Stacker Belt No.2 (4'x 60') – drop point were material falls from belt to crushed material stockpile	ACM2	
008	Emissions from 325 H.P. Caterpillar, Model # 3412 (545kW) Diesel Generator – fired on No.2 virgin diesel fuel – used to power all equipment employed by this crushing – aggregate processing unit.	ACM2	N/A
009	Fugitive emissions from paved and unpaved roads.		
010	Fugitives from on site storage piles		

Application Processing Fee

Check one: [] Attached - Amount: **\$250.00** [] Not Applicable

Construction/Modification Information

1. Description of Proposed Project or Alterations:

This project consists of the amendment of FDEP State Wide Construction Permit No. 7770179-001-AC for a portable Aggregate Crushing & Processing Plant owned and operated by Angelo's Recycled Materials, Inc. This crushing unit was located at the Air Force Demolition and Debris Landfill Site at Cape Canaveral, but due to governing factors Angelo's Recycled Materials had to remove the crushing unit from the above mentioned site and store it in Jasper, Florida. Angelo's Recycled Materials has intentions to move this crusher, minus some of the originally permitted parts which were sent back to their office in Michigan, to a site at 1440 Perimeter Road, West Palm Beach, West Palm Beach County, Florida. This crushing unit will serve the sole purpose of crushing and processing and reclaimed asphalt concrete that is recycled from the road, buildings, etc. that will be reused in the building or construction industry.

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 the amendment of FDEP State Wide Construction Permit No. 7770179-001-AC for a portable Aggregate Crushing & Processing Plant owned and operated by Angelo's Recycled Materials, Inc. This crushing unit was located at the Air Force Demolition and Debris Landfill Site at Cape Canaveral, but due to governing factors Angelo's Recycled Materials had to remove the crushing unit from the above mentioned site and store it in Jasper, Florida. Angelo's Recycled Materials has intentions to move this crusher, minus some of the originally permitted parts which were sent back to their office in Michigan, to a site at 1440 Perimeter Road, West Palm Beach, West Palm Beach County, Florida. This crushing unit will serve the sole purpose of crushing and processing and reclaimed asphalt concrete that is recycled from the road, buildings, etc. that will be reused in the building or construction industry.

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): 592.1 North (km): 2951.4			
2. Facility Latitude/Longitude: Latitude (DD/MM/SS): 26°40'55" N Longitude (DD/MM/SS): 80°04'27" 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 the amendment of FDEP State Wide Construction Permit No. 7770179-001-AC for a portable Aggregate Crushing & Processing Plant owned and operated by Angelo's Recycled Materials, Inc. This crushing unit was located at the Air Force Demolition and Debris Landfill Site at Cape Canaveral, but due to governing factors Angelo's Recycled Materials had to remove the crushing unit from the above mentioned site and store it in Jasper, Florida. Angelo's Recycled Materials has intentions to move this crusher, minus some of the originally permitted parts which were sent back to their office in Michigan, to a site at 1440 Perimeter Road, West Palm Beach, West Palm Beach County, Florida. This crushing unit will serve the sole purpose of crushing and processing and reclaimed asphalt concrete that is recycled from the road, buildings, etc. that will be reused in the building or construction industry. 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. Dennis Price, Environmental Manager
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. <input type="checkbox"/> Small Business Stationary Source?	<input checked="" type="checkbox"/> Unknown
2. <input checked="" type="checkbox"/> Synthetic Non-Title V Source?	
3. <input checked="" type="checkbox"/> Synthetic Minor Source of Pollutants Other than HAPs?	
4. <input checked="" type="checkbox"/> Synthetic Minor Source of HAPs?	
5. <input checked="" type="checkbox"/> One or More Emissions Units Subject to NSPS?	
6. <input type="checkbox"/> 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		4. Basis for Emissions Cap	5. Pollutant Comment
		lb/hour	tons/year		
PM10	SM	NA	NA	RULE	<10% opacity from drop points, storage Piles, <15% from crusher
PM	SM	NA	NA	RULE	
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: <u>I</u> [] Not Applicable [] Waiver Requested
2. Facility Plot Plan: [X] Attached, Document ID: <u>II</u> [] Not Applicable [] Waiver Requested
3. Process Flow Diagram(s): [X] Attached, Document ID: <u>III</u> [] Not Applicable [] Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: [X] Attached, Document ID: <u>IV</u> [] Not Applicable [] Waiver Requested
5. Supplemental Information for Construction Permit Application: [X] Attached, Document ID: <u>VII</u> [] Not Applicable
6. Supplemental Requirements Comment:

EMISSIONS ID. NO. 001

Cedarapids/Simplicity – 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) <input type="checkbox"/> 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). <input type="checkbox"/> 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. <input checked="" type="checkbox"/> 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/Simplicity Inc. – Raw Material Receiving Hopper / Vibrating Grizzly Feeder System – used to feed uncrushed material to crusher.		
3. Emissions Unit Identification Number: <input type="checkbox"/> No ID ID: 001 <input type="checkbox"/> ID Unknown		
3. Emissions Unit Status Code: ACTIVE	4. Initial Startup Date: UNKNOWN	5. Emissions Unit Major Group SIC Code: 14
6. Emissions Unit Comment: (Limit to 500 Characters): <p style="text-align: center;">THIS AGGREGATE PROCESSING UNIT WILL CRUSH AND SCREEN RECLAIMED ASPHALT AND CONCRETE, THEREFORE EMISSIONS WILL BE NIL TO NONE FROM THIS EMISSIONS UNIT. SHOULD ANY EMISSIONS OCCUR THE MATERIAL INTRODUCED TO THE GRIZZLY FEEDER WILL BE SPRAYED WITH WATER IN IT'S STOCKPILE AND AT THE FEEDER, AS TO CONTROL ANY EMISSIONS THAT MAY BE GENERATED.</p>		

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 IN IT'S STOCKPILES AND IN THE FEEDER 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/SIMPLICITY, INC.**

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 dampening of materials in the stockpile and in the grizzly feeder / receiving to control any emissions that may be generated.

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): 592.1 North (km): 2951.4			
14. Emission Point Comment (limit to 200 characters): EMISSIONS POINT WILL BE FUGITIVE IF ANY EMISSIONS GENERATED AT ALL			

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/Simplicity, Inc. – Raw Material Receiving Hopper / Vibrating Grizzly Feeder System – used to feed uncrushed material to crusher.		
1. 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):		

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 Table 11.19.2-2 & footnote c Reference: AP-42		8. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): $PM_{10} = (200 \text{ lb/ton})(0.0021 \text{ lb/ton}) = 0.42 \text{ lb/hr}$ $PM_{10_{\text{yearly}}} [(200 \text{ lb/hr})(3120 \text{ hr/yr})(0.0021 \text{ lb/ton})] / 2000 \text{ lb/ton} = 0.65 \text{ ton/yr}$ $PM = [(200 \text{ lb/ton})(0.0021 \text{ lb/ton})] (2.1) = 0.88 \text{ lb/hr}$ $PM_{10_{\text{yearly}}} [(200 \text{ lb/hr})(3120 \text{ hr/yr})(0.0021 \text{ lb/ton})] / 2000 \text{ lb/ton} (2.1) = 1.36 \text{ ton/yr}$			
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):	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

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

EMISSIONS ID. NO. 002

Bohringer Model RC14 Impact 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) <input type="checkbox"/> 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). <input type="checkbox"/> 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. <input checked="" type="checkbox"/> 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): Bohringer, Inc. Model #RC14 Impact Crusher and Discharge Pan – where crushed material exits crushing unit and falls onto conveyor belt.		
3. Emissions Unit Identification Number: ID: 002 <input type="checkbox"/> No ID. <input type="checkbox"/> ID Unknown 		
10. Emissions Unit Status Code: ACTIVE	11. Initial Startup Date: UNKNOWN	12. Emissions Unit Major Group SIC Code: 14
13. Emissions Unit Comment: (Limit to 500 Characters): THIS AGGREGATE PROCESSING UNIT WILL CRUSH AND SCREEN RECLAIMED ASPHALT AND CONCRETE, THEREFORE EMISSIONS WILL BE NIL TO NONE FROM THIS EMISSIONS UNIT. SHOULD ANY EMISSIONS OCCUR THE MATERIAL INTRODUCED TO THE GRIZZLY FEEDER WILL BE SPRAYED WITH WATER IN IT'S STOCKPILE AND AT THE FEEDER, AS TO CONTROL ANY EMISSIONS THAT MAY BE GENERATED.		

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 IN IT'S STOCKPILE AND IN THE GRIZZLY FEEDER 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: **BOHRINGER, INC.**

Model Number: **RC14**

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

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.

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): 592.1 North (km): 2951.4			
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): Bohringer, Inc. – Portable Impact Crushing Unit Model RC14 – Crusher Discharge Pan/Belt. (Material Handling – Emissions related to dropping material out of crusher onto belt.)		
2. Source Classification Code (SCC): 30502003		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 = 0.48 lb/hr & 0.75 ton/hr PM = 1.01 lb/hr & 1.57 ton/hr		7. Synthetically Limited? [X]	
8. Emission Factor: 0.0024 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): $PM_{10} = (200 \text{ lb/ton})(\overset{0.00059}{0.0024} \text{ lb/ton}) = \overset{0.12 \text{ lb/hr}}{0.48 \text{ lb/hr}}$ $PM_{10 \text{ yearly}} = [(200 \text{ lb/hr})(3120 \text{ hr/yr})(\overset{0.00059 \text{ lb/ton}}{0.0024} \text{ lb/ton})] / 2000 \text{ lb/ton} = \overset{0.18}{0.75} \text{ ton/yr}$ $PM = [(200 \text{ lb/ton})(\overset{0.00059}{0.0024} \text{ lb/ton})] (2.1) = 1.01 \text{ lb/hr}$ $PM_{10 \text{ yearly}} = [(200 \text{ lb/hr})(3120 \text{ hr/yr})(0.0024 \text{ lb/ton})] / 2000 \text{ lb/ton} (2.1) = 1.57 \text{ ton/yr}$ <p><i>0.00059 → Factor for uncontrolled 0.00059 should be used. Spike w/ Bernard Ball 11/8/99</i></p>			
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):	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

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

EMISSIONS ID. NO. 003

Cedarapids/Simplicity 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) <input type="checkbox"/> 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). <input type="checkbox"/> 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. <input checked="" type="checkbox"/> 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. – Triple Deck 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: 003		<input type="checkbox"/> No ID <input type="checkbox"/> ID Unknown
17. Emissions Unit Status Code: ACTIVE	18. Initial Startup Date: UNKNOWN	19. Emissions Unit Major Group SIC Code: 14
20. Emissions Unit Comment: (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 being dampened in it's stockpile and in the grizzly feeder.		

Cedarapids – Triple Deck 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 two Radial Stacker Belts are controlled by a water spray bar system on a as needed basis, mounted in this area. This material is still moist enough as to cause little to no fugitive emissions at this drop point. This material is still moist from being dampened in it's stockpile and in the grizzly feeder.

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

Emissions Unit Details

1. Package Unit: **TRIPLE DECK VIBRATING SCREENER**

Manufacturer: **CEDARAPIDS**

Model Number: **7 x 20**

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

21. 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 two Radial Stacker Belts are controlled by a water spray bar system on a as needed basis, mounted in this area. This material is still moist enough as to cause little to no fugitive emissions at this drop point. This material is still moist from being dampened in it's stockpile and in the grizzly feeder.

Cedarapids – Triple Deck Vibrating Screener

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? 003 (Vibrating Screener)		11. Emission Point Type Code: 4	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): NONE			
12. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NONE			
13. 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: (unit figures below are W. Palm location) Zone: 17 East (km): 592.1 North (km): 2951.4			
14. Emission Point Comment (limit to 200 characters): EMISSIONS POINT WILL BE FUGITIVE IF ANY EMISSIONS GENERATED AT ALL.			

Cedarapids – Triple Deck 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 – Triple Deck 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.)		
3. Source Classification Code (SCC): 30502003		3. SCC Units: TONS OF PRODUCT PROCESSED
4. Maximum Hourly Rate: 200 tph	14. 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, 0.96 ton/yr PM = 0.88 lb/hr, 1.38 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		22. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): $PM10_{\text{yearly}} = [(200 \text{ ton/hr})(3120 \text{ hr/yr})(0.0021 \text{ lb/ton})] / (2000 \text{ lb/ton}) = 0.66 \text{ ton/yr}$ $PM10_{\text{hour}} = [(200 \text{ ton/hr})(0.0021 \text{ lb/ton})] = 0.42 \text{ lb/hr}$ $TSP_{\text{yearly}} = [(200 \text{ ton/hr})(3120 \text{ hr/yr})(0.0021 \text{ lb/ton})] (2.1) / (2000 \text{ lb/ton}) = 1.38 \text{ ton/yr}$ $TSP_{\text{hour}} = [(200 \text{ ton/hr})(0.0021 \text{ lb/ton})] (2.1) = 0.88 \text{ lb/hr}$			
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):	

Cedarapids Vibrating Screener

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

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

EMISSIONS ID. NO. 004

Crushed Material Feed Conveying System

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) <input type="checkbox"/> 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). <input type="checkbox"/> 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. <input checked="" type="checkbox"/> 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): Feed Conveyor Transfer Point – Transfer Point where metal is extracted from crushed material drops to the pre-screener conveyor belt. (drop point from feed conveyor belt to pre-screener)		
3. Emissions Unit Identification Number: <input type="checkbox"/> No ID <input type="checkbox"/> ID Unknown ID: 004		
24. Emissions Unit Status Code: ACTIVE	25. Initial Startup Date: UNKNOWN	26. Emissions Unit Major Group SIC Code: 14
27. Emissions Unit Comment: (Limit to 500 Characters): The fugitive emissions generated from this drop point where crushed material leaves the feed conveyor, any metal is extracted by a magnet, and is dropped onto a the pre-screener transfer belt. Any emissions generated at this point will be controlled by the water spray bar system on a as needed basis, mounted in this area if needed. 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 it's stockpile.		

Material Feed Conveyor Drop 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 feed conveyor and is dropped onto the pre-screener belt will be controlled by the water spray bar system on a as needed basis, mounted in this area. 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 it's stockpile.

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

Emissions Unit Details

1. Package Unit: **Material Feed Conveyor Drop Point to Pre-Screener Conveyor**

Manufacturer: **Bohringer** Model Number: **RC14**

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

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

The fugitive emissions generated from this drop point where crushed material leaves the feed conveyor and is dropped onto the pre-screener belt will be controlled by the water spray bar system on a as needed basis, mounted in this area. 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 it's stockpile.

Material Feed Conveyor Drop Point

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? 004 (Material Conveyor Drop Pt.)		15. Emission Point Type Code: 4	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): NONE			
16. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NONE			
17. 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: (unit figures below are for W. Palm Location) Zone: 17 East (km): 592.1 North (km): 2951.4			
14. Emission Point Comment (limit to 200 characters): EMISSIONS AT THIS DROP POINT WILL BE FUGITIVE IF ANY EMISSIONS GENERATED AT ALL.			

Material Feed Conveyor Drop Point

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Bohringer, Inc. – Portable Crushing Unit – Material Feed Conveyor Drop Point to Pre-Screener Conveyor. (Material Handling - Emissions related to conveying of reclaimed crushed material from one belt to another)		
4. Source Classification Code (SCC): 30502006		3. SCC Units: TONS OF PRODUCT PROCESSED
4. Maximum Hourly Rate: 200 tph	18. 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 = 0.28 lb/hr, 0.44 ton/yr PM = 0.59 lb/hr, 0.92 ton/yr		7. Synthetically Limited? [X]	
8. Emission Factor: 0.0014 lb/ton Reference: AP-42 (Table 11.19.2-2 uncontrolled) and footnote © for PM Emissions (worst case scenario)		28. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): $PM10_{\text{yearly}} = [(200 \text{ ton/hr})(3120 \text{ hr/yr})(0.0014 \text{ lb/ton})] / (2000 \text{ lb/ton}) = 0.44 \text{ ton/yr}$ $PM10_{\text{hour}} = [(200 \text{ ton/hr})(0.0014 \text{ lb/ton})] = 0.28 \text{ lb/hr}$ $TSP_{\text{yearly}} = [(200 \text{ ton/hr})(3120 \text{ hr/yr})(0.0014 \text{ lb/ton})] (2.1) / (2000 \text{ lb/ton}) = 0.92 \text{ ton/yr}$ $TSP_{\text{hour}} = [(200 \text{ ton/hr})(0.0014 \text{ lb/ton})] (2.1) = 0.59 \text{ lb/hr}$			
11. Pollutant Potential Emissions Comment (limit to 200 characters): Material Feed Drop 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):	

Material Feed Conveyor – 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):	

Material Feed Conveyor – Drop Point

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

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

EMISSIONS ID. NO. 005
Pre-Screening Conveying System

Emissions Unit Information Section 5 of 10
 Pre-Screening Material Conveyor Drop Point

III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in This Section: (Check one) <input type="checkbox"/> 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). <input type="checkbox"/> 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. <input checked="" type="checkbox"/> 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.		
29. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Pre-Screening Conveyor Drop – Drop Point where crushed material drops to the pre-screener conveyor belt to vibrating screener.		
3. Emissions Unit Identification Number: ID: 005		<input type="checkbox"/> No ID <input type="checkbox"/> ID Unknown
30. Emissions Unit Status Code: ACTIVE	31. Initial Startup Date: UNKNOWN	32. Emissions Unit Major Group SIC Code: 14
33. Emissions Unit Comment: (Limit to 500 Characters): The fugitive emissions generated from this drop point where crushed material leaves the pre-screener and is dropped onto the vibrating triple deck screener. Any emissions generated at this point will be controlled by the water spray bar system on a as needed basis, mounted in this area of the previous drop point if needed. 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 it's stockpile.		

Pre-Screening Material Conveyor Drop 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 pre-screener and is dropped onto the vibrating triple deck screener. Any emissions generated at this point will be controlled by the water spray bar system on a as needed basis, mounted in this area of the previous drop point if needed. 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 it's stockpile.

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

Emissions Unit Details

1. Package Unit: Pre-Screener Conveyor Drop Point to Triple Deck Vibrating Screener		
Manufacturer: Bohringer	Model Number: RC14	
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
6. Operating Capacity/Schedule Comment (limit to 200 characters): The fugitive emissions generated from this drop point where crushed material leaves the pre-screener and is dropped onto the vibrating triple deck screener. Any emissions generated at this point will be controlled by the water spray bar system on a as needed basis, mounted in this area of the previous drop point if needed. 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 it's stockpile.		

Pre-Screening Material Conveyor Drop Point

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? 005 (Pre-Screener Conveyor Drop Pt.)		19. Emission Point Type Code: 4	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): NONE			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NONE			
5. 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: (unit figures below are for W. Palm Location) Zone: 17 East (km): 592.1 North (km): 2951.4			
14. Emission Point Comment (limit to 200 characters): EMISSIONS AT THIS DROP POINT WILL BE FUGITIVE IF ANY EMISSIONS GENERATED AT ALL.			

Pre-Screening Material Conveyor Drop Point

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Bohringer, Inc. – Portable Crushing Unit – Pre-Screener Feed Conveyor Drop Point to Triple Deck Vibrating Screener . (Material Handling - Emissions related to conveying of reclaimed crushed material from one belt to another object.)		
5. Source Classification Code (SCC): 30502006		3. SCC Units: TONS OF PRODUCT PROCESSED
4. Maximum Hourly Rate: 200 tph	20. 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 = 0.28 lb/hr, 0.44 ton/yr PM = 0.59 lb/hr, 0.92 ton/yr		7. Synthetically Limited? [X]	
8. Emission Factor: 0.0014 lb/ton Reference: AP-42 (Table 11.19.2-2 uncontrolled) and footnote © for PM Emissions (worst case scenario)		34. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): $\text{PM10}_{\text{yearly}} = [(200 \text{ ton/hr})(3120 \text{ hr/yr})(0.0014 \text{ lb/ton})] / (2000 \text{ lb/ton}) = 0.44 \text{ ton/yr}$ $\text{PM10}_{\text{hour}} = [(200 \text{ ton/hr})(0.0014 \text{ lb/ton})] = 0.28 \text{ lb/hr}$ $\text{TSP}_{\text{yearly}} = [(200 \text{ ton/hr})(3120 \text{ hr/yr})(0.0014 \text{ lb/ton})] (2.1) / (2000 \text{ lb/ton}) = 0.92 \text{ ton/yr}$ $\text{TSP}_{\text{hour}} = [(200 \text{ ton/hr})(0.0014 \text{ lb/ton})] (2.1) = 0.59 \text{ lb/hr}$			
11. Pollutant Potential Emissions Comment (limit to 200 characters): Material Feed Drop 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):	

Pre-Screener Conveyor – Drop Point to Vibrating Screener

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

EMISSIONS ID. NO. 006

Emissions From Radial Stacker Belt No.1

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)		
<input type="checkbox"/> 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).		
<input type="checkbox"/> 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.		
<input checked="" type="checkbox"/> 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: <input type="checkbox"/> No ID ID: 006		
35. Emissions Unit Status Code: ACTIVE	36. Initial Startup Date: UNKNOWN	37. Emissions Unit Major Group SIC Code: 14
38. Emissions Unit Comment: (Limit to 500 Characters):		
<p>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 AND DAMPENED THROUGHT THE CRUSHING AND PROCESSING PROCESS AS TO CONTROL ANY EMISSIONS GENERATED.</p>		

Emissions Unit Information Section 6 of 10
Radial Stacker Conveyor No.1 Drop Point to Storage Piles
Emissions Unit Control Equipment

21. 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 THROUGHOUT THE CRUSHING AND AGGREGATE PROCESSING PROCESS 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 NO.1	
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

39. Operating Capacity/Schedule Comment (limit to 200 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 AND DAMPENED THROUGHT THE CRUSHING AND PROCESSING PROCESS AS TO CONTROL ANY EMISSIONS GENERATED. THIS RADIAL STACKER WILL NOT ALWAYS CARRY THE FULL LOAD OF 200 TPH AS THE OTHER RADIAL STACKER WILL CARRY PART OF THIS LOAD DEPENDENT ON MATERIAL SIZING.

Emissions Unit Information Section 6 of 10
 Radial Stacker Conveyor No.1 Drop Point to Storage Piles

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? 006 (Radial Stacker)		22. Emission Point Type Code: 4	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): NONE			
23. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NONE			
24. 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 W. Palm location) Zone: 17 East (km): 592.1 North (km): 2951.4			
14. Emission Point Comment (limit to 200 characters): EMISSIONS POINT WILL BE FUGITIVE IF ANY EMISSIONS GENERATED AT ALL.			

Radial Stacker Conveyor No.1 Drop Point to Storage Piles

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Self Fabricated – Radial Stacker Belt No.1 – Material Drop Point to Stockpile (Material Handling – Emissions related to conveying and dropping of material.)		
6. Source Classification Code (SCC): 30502006		3. SCC Units: TONS OF PRODUCT PROCESSED
4. Maximum Hourly Rate: 200 tph	25. 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 = 0.28 lb/hr & 0.44 ton/hr PM = 0.59 lb/hr & 0.92 ton/hr		7. Synthetically Limited? [X]	
8. Emission Factor: 0.0014 lb/ton ✓ Reference: AP-42 (Table 11.19.2-2 uncontrolled) and footnote © for PM Emissions (worst case scenario)		40. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): $PM10 = (200 \text{ lb/ton})(0.0014 \text{ lb/ton}) = 0.28 \text{ lb/hr}$ $PM10_{\text{yearly}} [(200 \text{ lb/hr})(3120 \text{ hr/yr})(0.0014 \text{ lb/ton})] / 2000 \text{ lb/ton} = 0.44 \text{ ton/yr}$ $PM = [(200 \text{ lb/ton})(0.0014 \text{ lb/ton})] (2.1) = 0.59 \text{ lb/hr}$ $PM10_{\text{yearly}} [(200 \text{ lb/hr})(3120 \text{ hr/yr})(0.0014 \text{ lb/ton})] / 2000 \text{ lb/ton} (2.1) = 0.92 \text{ ton/yr}$			
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):	

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 to Storage Pile

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

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

EMISSIONS ID. NO. 007

Emissions From Radial Stacker Belt No.2

**Emissions Unit Information Section 7 of 10
 Radial Stacker Conveyor No.2 Drop Point to Storage Piles**

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) <input type="checkbox"/> 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). <input type="checkbox"/> 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. <input checked="" type="checkbox"/> 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: <input type="checkbox"/> No ID ID: 007		
41. Emissions Unit Status Code: ACTIVE	42. Initial Startup Date: UNKNOWN	43. Emissions Unit Major Group SIC Code: 14
44. Emissions Unit Comment: (Limit to 500 Characters): <p style="text-align: center;">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 CONVEY RECLAIMED ASPHALT & CONCRETE, THEREFORE EMISSIONS WILL BE NIL TO NONE FROM THIS EMISSIONS UNIT. SHOULD ANY OCCUR THE MATERIAL WILL BE SPRAYED AND DAMPENED THROUGHOUT THE CRUSHING AND PROCESSING PROCESS AS TO CONTROL ANY EMISSIONS GENERATED.</p>		

Emissions Unit Information Section 7 of 10
 Radial Stacker Conveyor No.2 Drop Point to Storage Piles
Emissions Unit Control Equipment

26. 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 THROUGHOUT THE CRUSHING AND AGGREGATE PROCESSING PROCESS 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 NO.2 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

45. Operating Capacity/Schedule Comment (limit to 200 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 CONVEY RECLAIMED ASPHALT & CONCRETE, THEREFORE EMISSIONS WILL BE NIL TO NONE FROM THIS EMISSIONS UNIT. SHOULD ANY OCCUR THE MATERIAL WILL BE SPRAYED AND DAMPENED THROUGHOUT THE CRUSHING AND PROCESSING PROCESS AS TO CONTROL ANY EMISSIONS GENERATED. THIS RADIAL STACKER WILL NOT ALWAYS CARRY THE FULL LOAD OF 200 TPH AS THE OTHER RADIAL STACKER WILL CARRY PART OF THIS LOAD DEPENDENT ON MATERIAL SIZING.

Radial Stacker Conveyor No.2 Drop Point to Storage Piles

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? 007(Radial Stacker#2)		27. Emission Point Type Code: 4	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): NONE			
28. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NONE			
29. 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 W. Palm location) Zone: 17 East (km): 592.1 North (km): 2951.4			
14. Emission Point Comment (limit to 200 characters): EMISSIONS POINT WILL BE FUGITIVE IF ANY EMISSIONS GENERATED AT ALL.			

Radial Stacker Conveyor No.2 Drop Point to Storage Piles

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Self Fabricated – Radial Stacker Belt No.2– Material Drop Point to Stockpile (Material Handling – Emissions related to conveying and dropping of material.)		
7. Source Classification Code (SCC): 30502006		3. SCC Units: TONS OF PRODUCT PROCESSED
4. Maximum Hourly Rate: 200 tph	30. 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 7 of 10
 Radial Stacker Belt No.2 – Drop Point to Storage Pile

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 = 0.28 lb/hr & 0.44 ton/hr PM = 0.59 lb/hr & 0.92 ton/hr		7. Synthetically Limited? [X]	
8. Emission Factor: 0.0014 lb/ton Reference: AP-42 (Table 11.19.2-2 uncontrolled) and footnote © for PM Emissions (worst case scenario)		46. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): $PM_{10} = (200 \text{ lb/ton})(0.0014 \text{ lb/ton}) = 0.28 \text{ lb/hr}$ $PM_{10 \text{ yearly}} [(200 \text{ lb/hr})(3120 \text{ hr/yr})(0.0014 \text{ lb/ton})] / 2000 \text{ lb/ton} = 0.44 \text{ ton/yr}$ $PM = [(200 \text{ lb/ton})(0.0014 \text{ lb/ton})] (2.1) = 0.59 \text{ lb/hr}$ $PM_{10 \text{ yearly}} [(200 \text{ lb/hr})(3120 \text{ hr/yr})(0.0014 \text{ lb/ton})] / 2000 \text{ lb/ton} (2.1) = 0.92 \text{ ton/yr}$			
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):	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

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

EMISSIONS ID. NO. 008

Emissions Caterpillar Diesel Generator

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) <input checked="" type="checkbox"/> 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). <input type="checkbox"/> 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. <input type="checkbox"/> 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: <input type="checkbox"/> No ID ID: 008		
47. Emissions Unit Status Code: ACTIVE	48. Initial Startup Date: UNKNOWN	49. Emissions Unit Major Group SIC Code: 14
50. Emissions Unit Comment: (Limit to 500 Characters): 325 H.P. Caterpillar Diesel Generator (545 kW) – 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 Information Section 8 of 10
Caterpillar Model 3412 Diesel Generator Set
Emissions Unit Control Equipment

31. 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: 3412
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: 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
51. 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.

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? 008 (Generator)		32. Emission Point Type Code: 4	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): NONE			
33. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NONE			
34. 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 – W. Palm location) Zone: 17 East (km): 592.1 North (km): 2951.4			
14. Emission Point Comment (limit to 200 characters):			

Emissions Unit Information Section 8 of 10

Caterpillar Model 3412 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.		
8. Source Classification Code (SCC): 20222200401		3. SCC Units: 1000 gallons burned
4. Maximum Hourly Rate: 25 ga/hr @ worst case	35. 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 Information Section 8 of 10
 Caterpillar Model 3412 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		52. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): $\text{PM10} = (25 \text{ gal/hr fuel usage})(138,000 \text{ BTU/gal}) = 3.45 \text{ MMBTU/hr}$ $(3.45 \text{ MMBTU/hr})(0.31 \text{ lb/MMBTU}) = 1.07 \text{ lb/hr}$ $(1.07 \text{ lb/hr})(3120 \text{ hrs/yr}) / 2000 \text{ lb/ton} = 1.67 \text{ ton/hr}$			
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 Information Section 8 of 10

Caterpillar Model 3412 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		53. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): $\text{NO}_x = (25 \text{ gal/hr fuel usage})(138,000 \text{ BTU/gal}) = 3.45 \text{ MMBTU/hr}$ $(3.45 \text{ MMBTU/hr})(4.41 \text{ lb/MMBTU}) = 15.21 \text{ lb/hr}$ $(15.21 \text{ lb/hr})(3120 \text{ hrs/yr}) / 2000 \text{ lb/ton} = 23.73 \text{ ton/yr}$			
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 Information Section 8 of 10
 Caterpillar Model 3412 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		54. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): $CO = (25 \text{ gal/hr fuel usage})(138,000 \text{ BTU/gal}) = 3.45 \text{ MMBTU/hr}$ $(3.45 \text{ MMBTU/hr})(0.95 \text{ lb/MMBTU}) = 3.28 \text{ lb/hr}$ $(3.28 \text{ lb/hr})(3120 \text{ hrs/yr}) / 2000 \text{ lb/ton} = 5.12 \text{ ton/hr}$			
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 Information Section 8 of 10

Caterpillar Model 3412 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		55. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): $\text{SOx} = (25 \text{ gal/hr fuel usage})(138,000 \text{ BTU/gal}) = 3.45 \text{ MMBTU/hr}$ $(3.45 \text{ MMBTU/hr})(0.29 \text{ lb/MMBTU}) = 1.00 \text{ lb/hr}$ $(1.00 \text{ lb/hr})(3120 \text{ hrs/yr}) / 2000 \text{ lb/ton} = 1.56 \text{ ton/hr}$			
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 Information Section 8 of 10

Caterpillar Model 3412 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		56. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): $\text{TOC} = (25 \text{ gal/hr fuel usage})(138,000 \text{ BTU/gal}) = 3.45 \text{ MMBTU/hr}$ $(3.45 \text{ MMBTU/hr})(0.36 \text{ lb/MMBTU}) = 1.24 \text{ lb/hr}$ $(1.24 \text{ lb/hr})(3120 \text{ hrs/yr}) / 2000 \text{ lb/ton} = 1.93 \text{ ton/hr}$			
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 Information Section 8 of 10
Caterpillar Model 3412 Diesel Generator Set

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: <u>III</u> [] Not Applicable [] Waiver Requested
2. Fuel Analysis or Specification <input checked="" type="checkbox"/> Attached, Document ID: <u>VII</u> [] Not Applicable [] Waiver Requested can be found in supplemental section of application
3. Detailed Description of Control Equipment <input checked="" type="checkbox"/> Attached, Document ID: <u>V</u> [] Not Applicable [] Waiver Requested
4. Description of Stack Sampling Facilities [] Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable [] Waiver Requested
5. Compliance Test Report [] Attached, Document ID: _____ [] Previously submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown [] Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable [] Waiver Requested
7. Operation and Maintenance Plan <input checked="" type="checkbox"/> Attached, Document ID: <u>VI</u> [] Not Applicable [] Waiver Requested
8. Supplemental Information for Construction Permit Application <input checked="" type="checkbox"/> Attached, Document ID: <u>VII</u> [] Not Applicable
9. Other Information Required by Rule or Statute [] Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment:

EMISSIONS ID. NO. 009

Emissions From Paved and Unpaved Surfaces

Emissions Unit Information Section 9 of 10
FUGITIVE EMISSIONS FROM PAVED & UNPAVED AREAS

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

<p>1. Type of Emissions Unit Addressed in This Section: (Check one)</p> <p><input type="checkbox"/> 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).</p> <p><input type="checkbox"/> 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.</p> <p><input checked="" type="checkbox"/> 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.</p>		
<p>2. Description of Emissions Unit Addressed in This Section (limit to 60 characters):</p> <p>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.</p>		
<p>3. Emissions Unit Identification Number: <input type="checkbox"/> No ID ID: NA <input type="checkbox"/> ID Unknown</p>		
<p>1. Emissions Unit Status Code: NA</p>	<p>2. Initial Startup Date: ASAP</p>	<p>3. Emissions Unit Major Group SIC Code: 1422</p>
<p>4. Emissions Unit Comment: (Limit to 500 Characters): <i>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.</i></p>		

Emissions Unit Information Section 9 of 10

FUGITIVE EMISSIONS FROM PAVED & UNPAVED AREAS

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? 009 – 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: (@ W. Palm Location) Zone: 17 East (km): 592.1 E North (km): 2951.4 N			
14. Emission Point Comment (limit to 200 characters): This emission point subject to 62-296.310 FAC Rules and Regulations.			

Emissions Unit Information Section 9 of 10

FUGITIVE EMISSIONS FROM PAVED & UNPAVED AREAS

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):		

Emissions Unit Information Section 9 of 10
FUGITIVE EMISSIONS FROM PAVED & UNPAVED AREAS

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 : 1.25 lb/hr, 2.34 ton/yr		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): $E = k(5.9)[s/12][S/30][W/3]^{0.7}[w/4]^{0.5}[365-P/365]$ $E = 0.36(5.9)[8.9/12][5/30][31.3/3]^{0.7}[10/4]^{0.5}[365-120/365] = 2.0 \text{ lb/VMT}$ $E = 2.0 \text{ lb/VMT (1-0.90 control efficiency from water truck or sprinklers)} = 0.2 \text{ lb/VMT}$ $E_{\text{daily}} = (0.2 \text{ lb/VMT})(\sim 75 \text{ VMT/day}) = 15.0 \text{ lb/day}$ $E_{\text{year}} = [(15.0 \text{ lb/day}) / (\sim 12 \text{ hr/day}) (3744 \text{ hr/yr}) / 2000 \text{ lb/ton}] = 2.34 \text{ ton/yr}$			
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):	

Emissions Unit Information Section 9 of 10
FUGITIVE EMISSIONS FROM PAVED & UNPAVED AREAS

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: <u>I</u> [] Not Applicable [] Waiver Requested
2. Fuel Analysis or Specification <input checked="" type="checkbox"/> Attached, Document ID: <u>VII</u> [] Not Applicable [] Waiver Requested Can be found in supplemental information section of application
3. Detailed Description of Control Equipment <input checked="" type="checkbox"/> Attached, Document ID: <u>V</u> [] Not Applicable [] Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ [] Not Applicable [] Waiver Requested
5. Compliance Test Report <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ [] Not Applicable [] Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: <u>VI</u> [] Not Applicable [] Waiver Requested
8. Supplemental Information for Construction Permit Application <input checked="" type="checkbox"/> Attached, Document ID: <u>VII</u> [] Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ [] Not Applicable
10. Supplemental Requirements Comment:

EMISSIONS ID. NO. 010

Emissions From Stock and Storage Piles

Emissions Unit Information Section 10 of 10
Fugitive Emissions from Aggregate Storage Piles

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

<p>1. Type of Emissions Unit Addressed in This Section: (Check one)</p> <p><input type="checkbox"/> 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).</p> <p><input type="checkbox"/> 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.</p> <p><input checked="" type="checkbox"/> 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.</p>		
<p>6. Description of Emissions Unit Addressed in This Section (limit to 60 characters):</p> <p>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.</p>		
<p>3. Emissions Unit Identification Number: <input type="checkbox"/> No ID</p> <p> ID: 010 <input type="checkbox"/> ID Unknown</p>		
<p>5. Emissions Unit Status Code:</p> <p style="text-align: center;">NA</p>	<p>6. Initial Startup Date:</p> <p style="text-align: center;">ASAP</p>	<p>7. Emissions Unit Major Group SIC Code:</p> <p style="text-align: center;">1422</p>
<p>8. Emissions Unit Comment: (Limit to 500 Characters):</p> <p><i>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.</i></p>		

Emissions Unit Information Section 10 of 10
Fugitive Emissions from Aggregate Storage Piles
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 sprinkler 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:

12 hours/day 6 days/week

52 weeks/year not to exceed: 3744 hrs/year

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

Emissions Unit Information Section 10 of 10
Fugitive Emissions from Aggregate Storage Piles

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? 010 – Storage Piles, 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: (@ W. Palm location) Zone: 17 East (km): 592.1 E North (km): 2951.4 N			
14. Emission Point Comment (limit to 200 characters): This emission point subject to 62-296.310 FAC Rules and Regulations.			

Emissions Unit Information Section 10 of 10
Fugitive Emissions from Aggregate Storage Piles

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 loader operations (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): <p style="text-align: center;">FUGITIVE EMISSIONS CALCULATED AT WORST CASE SCENARIO</p>		

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 10 of 10
Fugitive Emissions from Aggregate Storage Piles

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: 80.0%	
6. Potential Emissions: PM10 : 1.62 lb/hr, 0.61 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): $E = k(0.0032)[w/5]^{1.3}[M/2]^{1.4}$ $E = 0.35(0.0032)[7/5]^{1.3} / [0.7/2]^{1.4} = 0.0081 \text{ lb/ton}$ $E = 200 \text{ ton/hr (0.0081 lb/ton)} = 1.62 \text{ lb/hr}$ $E = (1.62 \text{ lb/hr})(1-0.80 \text{ control efficiency}) (\sim 12 \text{ hr/day}) = 3.89 \text{ lb/day}$ $E = [(3.89 \text{ lb/day}) / (\sim 12 \text{ hr/day}) (3744 \text{ hr/yr}) / 2000 \text{ lb/ton}] = 0.61 \text{ ton/yr}$			
8. Pollutant Potential Emissions Comment (limit to 200 characters): <i>Aggregate Storage Piles & Conveyor Drops – Fugitive Emissions (controlled) are subject to 62-296.700 (2)(e)(f)</i>			

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: 1.62 lb/hr, 0.61 ton/hr
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):	

Emissions Unit Information Section 10 of 10
Fugitive Emissions from Aggregate Storage Piles

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: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> 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:	<input type="checkbox"/> Rule <input type="checkbox"/> 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	

Emissions Unit Information Section 10 of 10
Fugitive Emissions from Aggregate Storage Piles

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: <u>III</u> [] Not Applicable [] Waiver Requested
2. Fuel Analysis or Specification <input checked="" type="checkbox"/> Attached, Document ID: <u>VII</u> [] Not Applicable [] Waiver Requested Can be found in supplemental information section of application
3. Detailed Description of Control Equipment <input checked="" type="checkbox"/> Attached, Document ID: <u>V</u> [] Not Applicable [] Waiver Requested
4. Description of Stack Sampling Facilities [] Attached, Document ID: _____ [] Not Applicable [] Waiver Requested
5. Compliance Test Report [] Attached, Document ID: _____ [] Previously submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown [] Attached, Document ID: _____ [] Not Applicable [] Waiver Requested
7. Operation and Maintenance Plan <input checked="" type="checkbox"/> Attached, Document ID: <u>VI</u> [] Not Applicable [] Waiver Requested
8. Supplemental Information for Construction Permit Application <input checked="" type="checkbox"/> Attached, Document ID: <u>VII</u> [] Not Applicable
9. Other Information Required by Rule or Statute [] Attached, Document ID: _____ [] Not Applicable
10. Supplemental Requirements Comment:

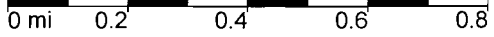
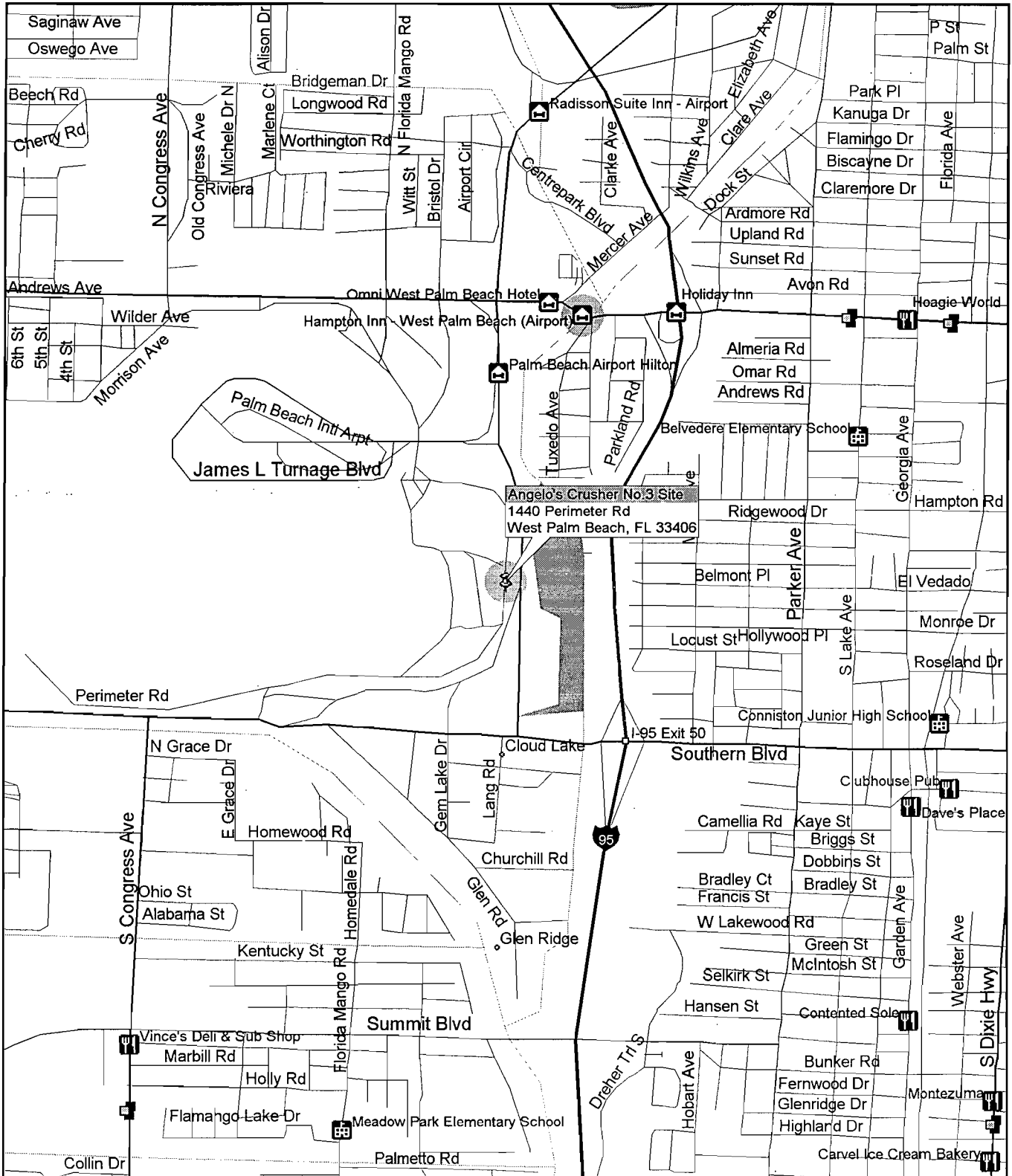
TABLE OF CONTENTS

- I. FACILITY LOCATION**
- II. SITE PLAN**
- III. FLOW DIAGRAM**
- IV. UNCONFINED EMISSIONS**
- V. CONTROL EQUIPMENT**
- VI. O & M PLAN**
- VII. SUPPLEMENTAL INFORMATION**

I. FACILITY LOCATION

ANGELO'S RECYCLED PRODUCTS, INC.

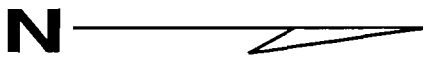
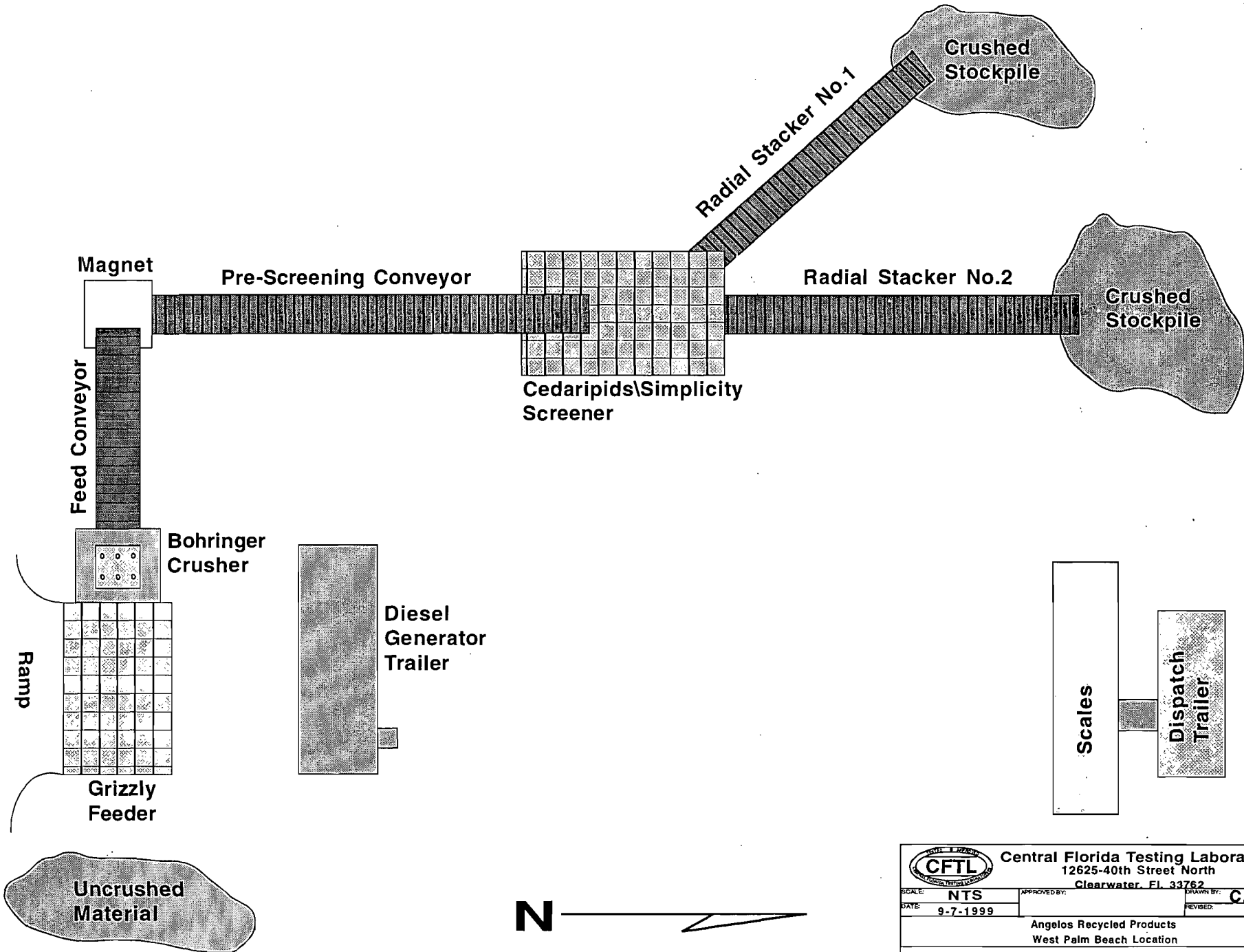
PROPOSED SITE FOR CRUSHER No. 3



Microsoft Expedia
Streets98

II. SITE PLAN

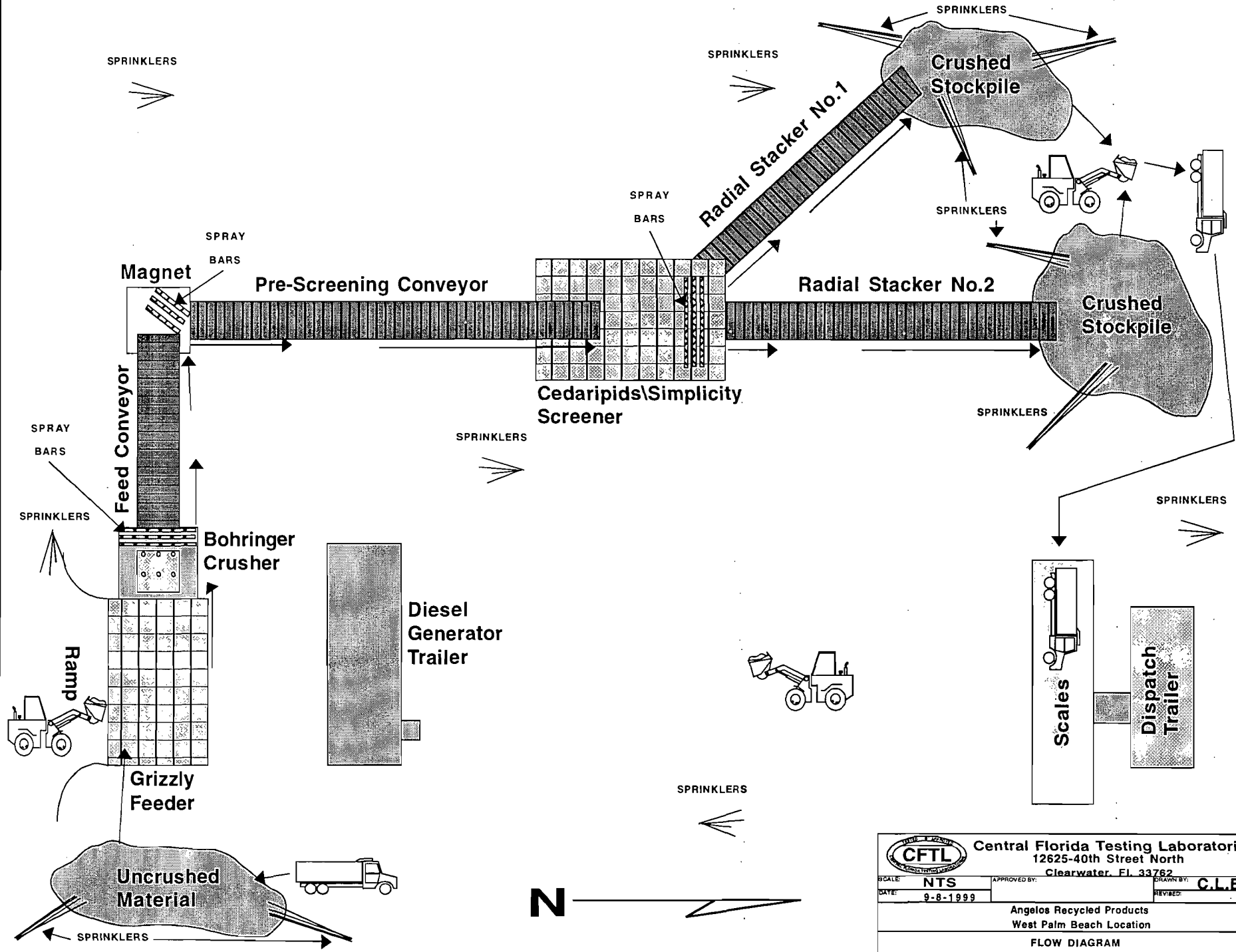
PERIMETER ROAD



 Central Florida Testing Laboratories 12625-40th Street North Clearwater, FL 33762			
SCALE: NTS	APPROVED BY:	DATE: 9-7-1999	DRAWN BY: C.L.B.
ANGELOS RECYCLED PRODUCTS West Palm Beach Location			
PLANT LAYOUT			

III. FLOW DIAGRAM

PERIMETER ROAD



 Central Florida Testing Laboratories 12625-40th Street North Clearwater, FL 33762			
SCALE: NTS	APPROVED BY:	DRAWN BY: C.L.B.	
DATE: 9-8-1999		REVISED:	
Angelos Recycled Products West Palm Beach Location			
FLOW DIAGRAM			

PROCESS DESCRIPTION

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

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

The majority of fugitive dust created during this process is generated by the vibrating feeder hopper, crushers and at the drop point below the crusher. These emission points as well as all transfer and drop points throughout the plant will be controlled by a self-made water spray bar / spray head dust suppression system that employs spray bars and spray heads at the various emission points throughout the plant. Any fugitives generated by vehicular traffic, winds and airborne particulate from stockpiles will be controlled by the constant use of a water truck employed at this facility and at the different jobsites to keep the entire facility dampened, to control these emissions.

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

IV. UNCONFINED EMISSIONS

FUGITIVE EMISSION CONTROL

Precautions to control and prevent fugitive emissions are accomplished at this site occurs in several manners. Any stockpiles at this location or any other location will be kept dampened by sprlinker systems or by water truck to control airborne emissions by prevailing winds. All traffic areas will have an enforced and instructed 5 mph speed limit as well as kept damp by water truck or sprlinker system on an as needed basis to control fugitive emissions.

V. CONTROL EQUIPMENT

CONTROL EQUIPMENT

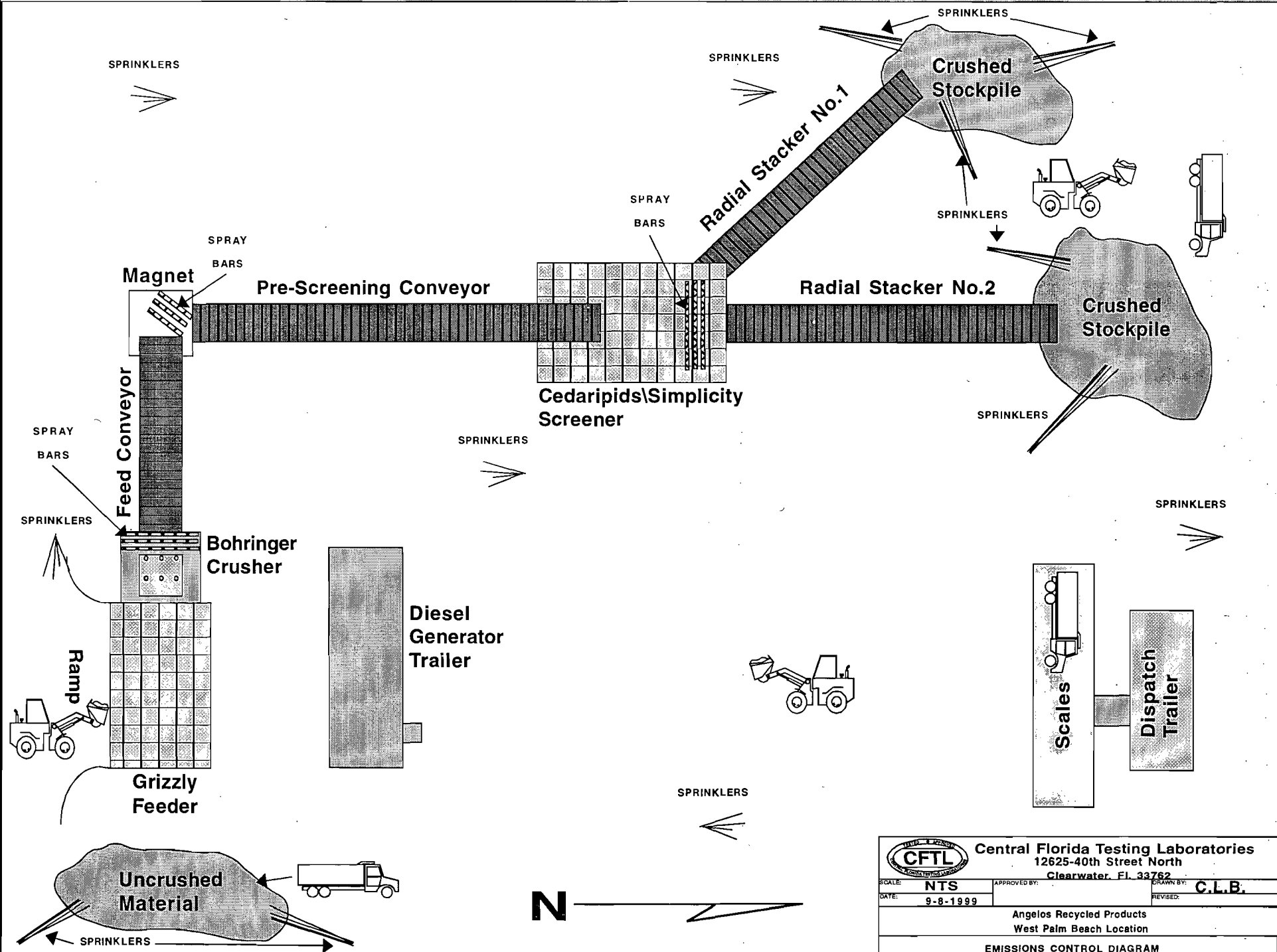
All of the equipment used to control fugitive dust emissions from this crushing unit was generated by crushing and maintenance personnel on as needed basis as this crushing unit did not come equipped with any dust suppression equipment when purchased.

The water spray bar and spray head system used on this equipment were manufactured and installed on all areas where possible fugitive dust emissions would occur during the crushing, screening and conveying operations. These areas include the grizzly feeder, the crusher, the conveyor belt drop points, screens and discharge pan.

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

In addition, plant personnel stand on top of the feeder hopper, where the material is dumped in by front loader, dampening the material that is in the loader and the material that is being dumped into this hopper with a high pressure water hose, to control any fugitive emissions generated.

PERIMETER ROAD



 Central Florida Testing Laboratories 12625-40th Street North Clearwater, FL 33762			
SCALE: NTS	APPROVED BY:	DATE: 9-8-1999	DRAWN BY: C.L.B.
Angelos Recycled Products West Palm Beach Location			
EMISSIONS CONTROL DIAGRAM			

VI. O & M PLAN

General Maintenance Intervals

The crushing unit and the general area are checked visually, daily for visible emissions. The entire compound inclusive of storage piles are continuously kept damp by a water truck. If any fugitive emissions are seen escaping the crushing plant the source is identified immediately and the problem area is corrected. Fugitive emissions at drop points are controlled by increasing and decreasing the water pressure from 25-40 psi, at the spray bars/heads.

Inspections of various parts of the Self-Made Water Spray Bar / Spray Head Dust Suppression System are done on a daily basis before startup, during operation and after shut down, as well as complete inspection on a weekly basis. If anything is found broken, not functioning or out of the ordinary it is fixed immediately by trained plant personnel. In addition, this dust suppression system is equipped with a spare pump in case of breakdown the spare pump can be used until the other pump can be fixed.

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

Water Pressure to Spray Bars & Spray Heads
Operation Mode

20-45 psi @ each head

Continuous w/ product

VII. SUPPLEMENTAL INFORMATION

ANGELO'S RECYCLED MATERIALS - PLANT NO. 3

Total Emissions Produced by Facility

3.5 5.5

Point	Emission Point Name	PM10 lb/hr	PM10 ton/yr	SOx lb/hr	SOx ton/yr	CO lb/hr	CO ton/yr	NOx lb/hr	NOx ton/yr	TOC lb/hr	TOC ton/yr
001	Receiving Hopper / Grizzly Feeder	0.42	0.66 ✓	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
002	Bohringer RC14 Impact Crusher	0.42	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
003	Vibrating Screener	0.42	0.66 ✓	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
004	Crushed Material Feed Conveyor	0.96	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
005	Pre-Screener Feed Conveyor	0.96	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
006	Radial Stacker No.1	0.96	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
007	Radial Stacker No.2	4.07	1.87 ✓	1.00	1.56	3.28	5.12	15.12	23.73	1.24	1.93
008	Caterpillar Gen-Set	1.00	1.67 ✓	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
009	Fugitives from Paved/Unpaved Areas	2.03	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
010	Fugitives from Storage Piles	2.03	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions: Plant/Generator		5.31/1.07	6.77/1.67	1.00	1.56	3.28	5.12	15.21	23.73	1.24	1.93 ✓

5.31 lb/hr 6.78 TPY

4.27/1.07 8.97/1.07 Lower ✓
 6.1/1.07 8.45/1.67 Lower ✓

Lower ✓ Lower ✓ Lower ✓ Lower

$$\frac{5.31 \text{ lb}}{\text{hr}} \times \frac{3120 \text{ hr}}{\text{yr}} \times \frac{2000 \text{ TONS}}{\text{yr}} = 0.3 \text{ TPT}$$

Subtract out
Fugitives

5.31 lb/hr	6.78	TPY
- 1.25	2.34	
- 1.62	- 0.61	
2.44	3.83	

5.3 and 0
2.4 and 3.7

PM emissions ?

PM₁₀ (w/out Fugitives and w/ corrected emissions factor)
 lb/hr Ton/yr
 2.08 (2.1) 3.26 (3.3)

central company, inc.

PETROLEUM PRODUCTS

CENTRAL OIL COMPANY, INC.

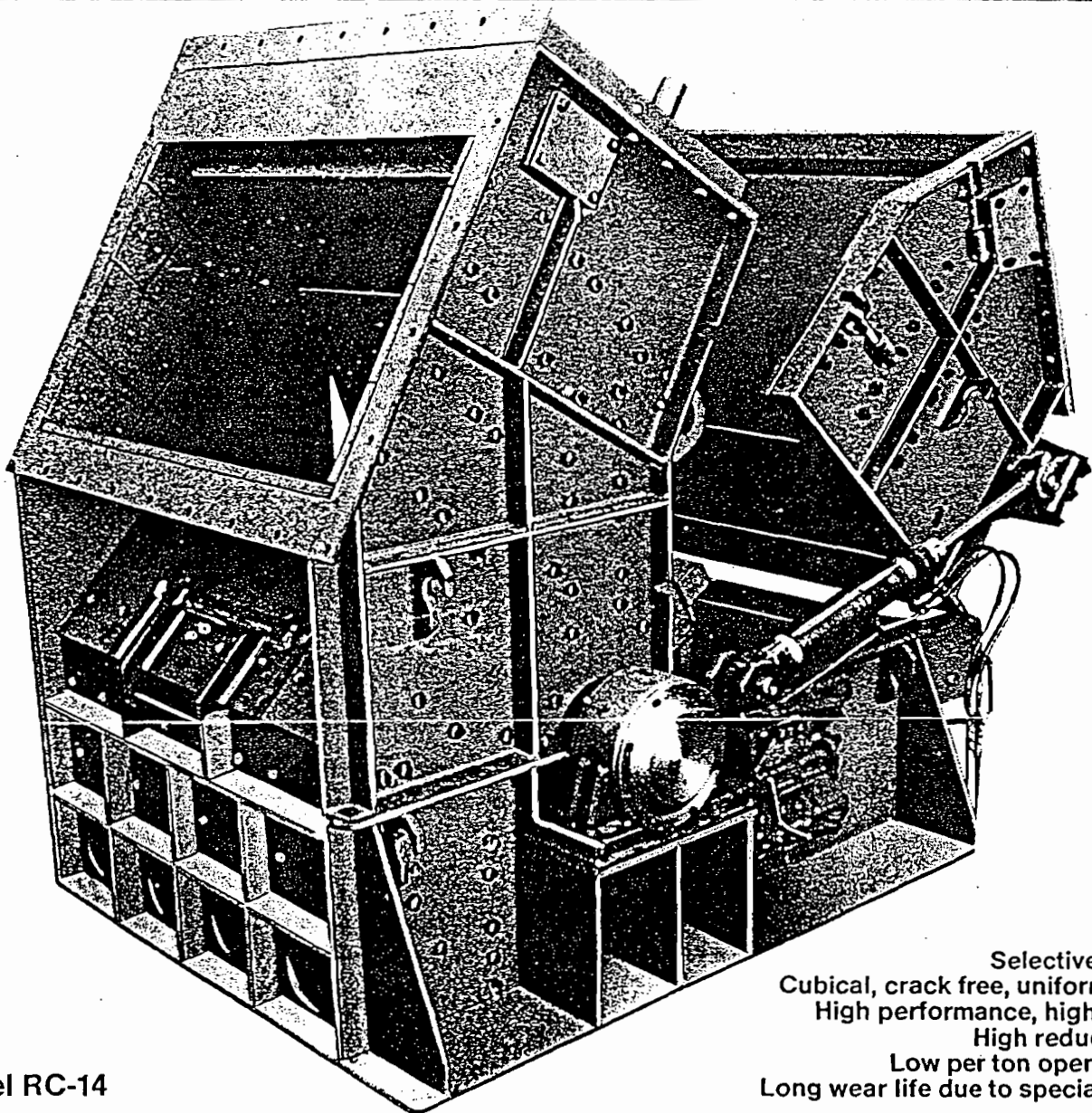
FUEL OIL #2 (DISTILLATE) SPECIFICATIONS

<u>CHARACTERISTICS</u>	<u>MIN</u>	<u>MAX</u>
GRAVITY, API AT 60°F	32.3	
SULPHUR, % WT.		0.21
POUR POINT, F		15.
BS & W. %		0.2
VISCOSITY, SSU/100F SECS	33	40.
VISCOSITY, KINEMATIC CST/40C	2.0	4.
FLASH POINT, PM CC, F	150.	
ASH, % WT.		0.01
CETANE NUMBER	40.	
CARBON RESIDUE, RAMSBOTTOM (10%)		25.
CLOUD POINT, F		0.01
SEDIMENT BY EXTRACTION, % WT.	C&B	
APPEARANCE		1.5
COLOR, ASTM		1-A
CORROSION, COPPER STRIP 3 HRS. 122°F		"REPORT"
BTU PER U.S. GALLON		138,500

BÖHRINGER

Impact Crushers – Recycling –

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



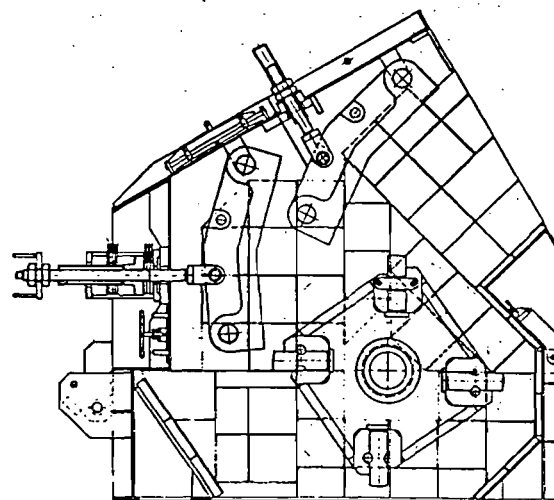
Model RC-14

Selective crushing.
Cubical, crack free, uniform product.
High performance, high capacity.
High reduction ratio.
Low per ton operating cost.
Long wear life due to special castings.

BÖHRINGER

Impact crushers „RC” series – Recycling –

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



Model RC 14

Model	Rotor Dia. (Inch) Width	Feed Opening (Inch)	Capacity (Stph)	Power required (Hp)	Weight approx. (Lbs)
RC 18	59x70	71 x 47	300 – 400	300 – 500	88,700
RC 16	49 $\frac{1}{4}$ x63	64 x 39	275 – 350	250 – 400	59,200
RC 14	49 $\frac{1}{4}$ x55 $\frac{15}{16}$	57 x 37	175 – 275	200 – 350	41,700
RC 12	47 $\frac{1}{4}$ x47 $\frac{1}{4}$	48 x 37	150 – 250	175 – 300	35,800
RC 10	43 $\frac{5}{16}$ x41 $\frac{3}{8}$	42 x 31	100 – 175	125 – 200	29,800
RC 7	39 $\frac{3}{8}$ x27 $\frac{9}{16}$	28 x 20	50 – 100	75 – 125	18,100

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

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

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

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

Stationary processing plant

Portable recycling plant

Modular skid mounted plant

"Specialing"

LINDER

**INDUSTRIAL
MACHINERY
COMPANY**

Statewide To Serve You Better

cc: Mr. Dan Sherman, LIMCO.
Mr. Jim Teague, LIMCO
QUOTATION
Mr. Jeff Chandler, LIMCO

601 S. Frontage Rd.
Trenton, Florida 33566
(813) 754-2727

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

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

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

3950 West Hwy 326
Ocala, Florida 32675
(904) 629-7585

1400 S. Orange Blossom Trail
Orlando, Florida 32805
(407) 849-6560

TO Mr. Jim Thompson
S & E Contractors, Inc.
14561 58th Street North
Clearwater, Florida 34620

REFERENCE Linder Proposal #4005,
Revision #1

DATE January 30, 1994

GENTLEMEN:

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

ITEM NO	QUANTITY	ARTICLES AND DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
	1	<p>New Boehringer Model RC-14 Portable Concrete and Asphalt Recycling Plant.</p> <p>Boehringer RC-14 Recycle Crusher:</p> <p>This impact crusher is a horizontal shaft, fixed blow bar impactor especially developed for crushing of concrete and asphalt. Aggregate may also be processed.</p> <p>Feed opening: 37" x 57"</p> <p>It consists of a lower housing with AR wear plates. The rotor is of solid construction with high WR², equipped with 4 blow bars made from special steel alloy castings that can be reversed and replaced vertically or horizontally. The rotor locks for safe maintenance. The bearings are mounted on shaft with replaceable adapter sleeves. The upper housing is protected with AR wear plates and designed with the rear part hinged, so it can be fully opened hydraulically. Two (2) impact mechanisms gravity hung with adjusting spindles (rear one adjusted hydraulically). Front apron is of single casting reversible. Rear apron fabricated with bolt-on impact plates.</p> <p>Feed Hood: of 3/4" thick welded steel reinforced construction with chain and rubber curtain. Feed spout lined 1-1/4".</p> <p>Recirculating Product Spout: 33" feed dia. made of 1/4" thick steel plate.</p>		

Magness

This Quotation includes Pages:

ABOVE PRICES ARE F.O.B. Clearwater, Florida Area
SHIPMENT Approximately 10 to 12 weeks.
TERMS See Page 10.

Bill Magness
Bill Magness /sw
Projects Manager

QUOTATION (cont'd.)

LINDER INDUSTRIAL MACHINERY COMPANY
 1601 S. Frontage Road
 Plant City, Florida 33566

PAGE: 2
 QUOTATION NO: 4005, Rev. #1
 DATE: 1-30-94

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

variable feed?
yes.

By Pass Carriage?

QUOTATION (cont'd.)

LINDER INDUSTRIAL MACHINERY COMPANY
 1601 S. Frontage Road
 Plant City, Florida 33566

PAGE: 3
 QUOTATION NO: 4005, Rev. #1
 DATE: 1-30-94

ITEM NO	QUANTITY	ARTICLES AND DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
		level plant. Power unit consists of 35 gallon oil reservoir, pump, 7-1/2 HP motor, solenoid pushbuttons with controls, hoses, etc.		
		Boehringer design 48" x 6' long vibrating feeder mounted under crusher to transfer crushed material and rebar steel onto a product discharge conveyor.		
1		New Portable Discharge System with Magnetic Separator: Includes belt protecting gathering hopper with replaceable liners, 48" x 40' channel frame type conveyor, 20° troughing idlers, oil resistant belt, 10' of skirtboard with rubber flashing, 71" track rigid axle with two (2) 10:00 x 20, 12 ply tires, lunette eye tongue, heavy gauge tool box, 10 HP, 1800 RPM, TEFC, electric motor drive.	299,775 ⁰⁰	
1		New Dings Model 44CR Continuous Belt Magnet with stainless steel discharge belt, 5 HP, 1800 RPM, TEFC, electric motor drive, and magnet transformer.	31,147 ⁰⁰	
1		New Superior 36" x 80' Portable Radial Stacking Conveyor. <ul style="list-style-type: none"> - Main frame 30" deep truss with 3" x 3" x 1/4" chord angles and lattice members of 1-1/2" x 1-1/2" x 3/16" with tapered head and tail sections. - Adjustable height undercarriage, manual raise with pin lock height adjustment. - Telescoping axle with single 10:00 x 20 tires with telescoping axle and swiveling wheels. - 25 HP head end drive Dodge TXT-515 shaft mount reducer, 1800 RPM, TEFC motor, v-belt drive, and drive guard. Drive designed for 600 TPH of 100#/CF of material at 300 FPM belt speed. - Drive pulley 16" dia. crown faced, herringbone lagged magnetic drum with cold rolled shaft. - Tail pulley 14" dia. crown faced, wing type pulley with cold rolled shaft. - Take-Ups screw type with 18" of travel. - Belting 2 ply, 1/8" x 1/16" covers, 220 PIW. - Belt splice Flexco mechanical steel fasteners. - Troughing Idlers - CEMA B, Superior 605 series, 5" dia. rolls, 35° trough, sealed for life ball bearings, placed 16" on center under loading area, 4' on center on balance of conveyor. - Return idlers - CEMA B, Superior 605 series, 5" dia. rolls, sealed for life ball bearings, placed 10' on center. 	19,139 ⁰⁰	

*Steel
 - 71/2 Power*

299,775⁰⁰

- Superior

31,147⁰⁰

19,139⁰⁰

M.T.S.

QUOTATION (cont'd.)

LINDER INDUSTRIAL MACHINERY COMPANY
 1601 S. Frontage Road
 Plant City, Florida 33566

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

ITEM NO	QUANTITY	ARTICLES AND DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
		<ul style="list-style-type: none"> - Guarding - Tail pulley shield, v-belt drive guard, pinch points and nip guards on drive pulley. - Paint - Unit to be one (1) coat primer and one (1) coat enamel painted Superior Orange <i>Grey</i> - Pivot type belt scraper with counterweight tensioning. - Towing eye for field transport. - Anchor pivot plate maintains tail end during radial travel. - Backstop for TXT-515 reducer. - Radial receiving hopper, 5' long with adjustable rubber flashing. - Fifth wheel hitch for road travel. 		
1		<p>New Superior 24" x 80' Portable Radial Stacking Conveyor. <i>[Signature]</i></p> <ul style="list-style-type: none"> - Main frame, 24" deep truss with 2-1/2" x 2-1/2" x 1/4" chord angles and lattice members of 1-1/2" x 1-1/2" x 3/16" with tapered head and tail sections and extra chord angle full length from tail end to head end and under-carriage pinning point. - Adjustable height under carriage - manual raise with pin lock height adjustment. - Telescoping axle, with single 10:00 x 20 tires with telescoping axle and swiveling wheels. - 15 HP head end drive, Dodge TXT-415 shaft mount reducer, 1800 RPM, TEFC motor, v-belt drive, and drive guard. Drive designed for 300 TPH of 100#/CF of material at 300 FPM belt speed. - Drive pulley 16" dia. crowned faced, herring-bone lagged drum with cold rolled shaft. - Tail pulley 14" dia. crown faced, wing type pulley with cold rolled shaft. - Take-ups screw type with 18" of travel. - Belting 2 ply, 1/8" x 1/16" covers, 220 PIW. - Belt splice Flexco mechanical steel fasteners. - Troughing idlers - CEMA B, Superior 605 series, 5" dia. rolls, 35° trough, sealed for life ball bearings, placed 16" on center under loading area, 4' on center on balance of conveyor. - Return idlers - CEMA B, Superior 605 series, 5" dia. rolls, sealed for life ball bearings, placed 10' on center. - Guarding - Tail pulley shield, v-belt drive guard, pinch points and nip guards on drive pulley. - Paint - Unit to be one (1) coat primer and one (1) coat finish enamel painted Superior Orange. - Pivot type belt scraper with counterweight tensioning. 		

← 25,038⁰⁰
Picking Station

QUOTATION (cont'd.)

LINDER INDUSTRIAL MACHINERY COMPANY
 1601 S. Frontage Road
 Plant City, Florida 33566

PAGE: 5
 QUOTATION NO: 4005, Rev. #1
 DATE: 1-30-94

ITEM NO	QUANTITY	ARTICLES AND DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
		<ul style="list-style-type: none"> - Towing eye - for field transport. - Anchor pivot plate - maintains tail end during radial travel. - Backstop - for TXT-415 reducer. - Radial receiving hopper, 5' long with adjustable rubber flashing. - Fifth wheel hitch, for road travel. 		
	3	<p>New Superior 24" x 60' Portable Radial Stacking Conveyors.</p> <ul style="list-style-type: none"> - Main frame, 24" deep truss with 2-1/2" x 2-1/2" x 1/4" chord angles and lattice members of 1-1/2" x 1-1/2" x 3/16" with tapered head and tail sections. - Adjustable height under carriage - manual raise with pin lock height adjustment. - Telescoping axle, with single 10:00 x 20 tires with telescoping axle and swiveling wheels. - 10 HP head end drive, Dodge TXT-315 shaft mount reducer, 1800 RPM, TEFC motor, v-belt drive, and drive guard. Drive designed for 300 TPH of 100#/CF of material at 300 FPM belt speed. - Drive pulley 16" dia. crowned faced, herring-bone lagged drum with cold rolled shaft. - Tail pulley 14" dia. crown faced, wing type pulley with cold rolled shaft. - Take-ups screw type with 18" of travel. - Belting 2 ply, 1/8" x 1/16" covers, 220 PIW. - Belt splice Flexco mechanical steel fasteners. - Troughing idlers - CEMA B, Superior 605 series, 5" dia. rolls, 35° trough, sealed for life ball bearings, placed 16" on center under loading area, 4' on center on balance of conveyor. - Return idlers - CEMA B, Superior 605 series, 5" dia. rolls, sealed for life ball bearings, placed 10' on center. - Gathering Hopper, 5' long with adjustable rubber flashing. - Guarding - Tail pulley shield, v-belt drive guard, pinch points and nip guards on drive pulley. - Paint - Unit to be one (1) coat primer and one (1) coat finish enamel painted Superior Orange. - Pivot type belt scraper with counterweight tensioning. - Towing eye - for field transport. - Anchor pivot plate - maintains tail end during radial travel. - Backstop - for TXT-315 reducer. - Radial receiving hopper. - Fifth wheel hitch, for road travel. 	<p>21,398⁰⁰</p>	
				<p>15,858⁰⁰</p>

Central Florida Testing Laboratories, Inc.

Testing Development and Research

12625 - 40TH STREET NORTH • CLEARWATER, FL 33762

TAMPA BAY AREA (727) 572-9797

FLORIDA 1-800-248-CFTL

FAX (727) 299-0023

September 9, 1999

Mr. Jonathan Holtom, P.E.
State of Florida
Department of Environmental Protection
Bureau of Air Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

RECEIVED

SEP 13 1999

BUREAU OF AIR REGULATION

**Subject: Angelo's Recycled Materials - Plant No.3
DEP File No. 7770179-001-AC
Construction Permit Extension and Revision**

Dear Mr. Holtom:

As discussed with you in our telephone conversations, Angelo's Recycled Materials - Crushing and Aggregate Processing Plant No. 3 had to leave the permitted Cape Canaveral Location. This crushing unit is now located in Jasper, Florida where is being stored and has not operated. Mr. Richard Bazinet, Director of Florida Operations has informed Central Florida Testing Laboratories, Inc. that he would like to relocate this crusher to the a site at the West Palm Beach Airport at 1440 S. Perimeter Road.

In addition, it has come to our attention due to all the confusion encountered with the situation mentioned above, that the FDEP "after-the-fact" statewide construction permit is due to expire for this Crushing Unit No.2, on September 15th, 1999.

Therefore, we respectfully request that the construction permit for the above mentioned facility be amended to reflect a six (6) month or longer extension period to allow time for Central Florida Testing Laboratories to perform the required compliance testing on this crusher and the Tallahassee Office to review and process the operation permit application as discussed. In addition, please find a revised construction permit to reflect that this crusher will be moving to West Palm Beach minus some of the equipment that was originally permitted at the Cape Canaveral Site.

Please find enclosed two (2) copies of the amended construction permit application as requested and a check for two hundred and fifty dollars (\$250.00) as required by 62-4, F.A.C. to extend the expiration date and amend the above mentioned construction permit.

Page 2

September 9, 1999

**Subject: Angelo's Recycled Materials – Plant No.3
DEP File No. 7770179-001-AC
Construction Permit Extension and Revision**

Thank you for your cooperation in this matter. Should you have any further questions or require any additional information to extend and revise this permit, do not hesitate to contact our office.

Sincerely,
Central Florida Testing Laboratories, Inc.

A handwritten signature in cursive script that reads "Bernard A. Ball, Jr.".

Bernard A. Ball, Jr.
Environmental Engineer
BaB/bAb

copies : Mr. Dennis Price – Angelo's Recycled Materials, Inc.

Central Florida Testing Laboratories, Inc.

Testing Development and Research

12625 40th Street North · Clearwater, Florida 33762

PINELLAS / HILLSBOROUGH (727) 572-9797

FLORIDA 1-800-248-CFTL

FAX (727) 299-0023

November 24, 1999

VIA FAX ONLY

Legal Advertising Desk
Palm Beach Daily News
265 Royal Poinciana Way
Palm Beach, Florida 33480

RECEIVED

NOV 29 1999

BUREAU OF AIR REGULATION

Subject: **Angelo's Recycled Materials, Inc. – Plant No.3**
FDEP Notice of Intent

Dear Legal Advertising Desk:

Please have the attached legal notice published as soon as possible in the legal ad section which circulates in the area of 1440 South Perimeter Road in West Palm Beach, Florida. The notice needs to appear for only one (1) day in the newspaper.

After the legal notice has appeared in the paper, please forward an affidavit for proof of publication for the notice to this office. Please send invoice for payment to the following address:

Mr. Dennis Price
Angelo's Recycled Materials, Inc.
Post Office Box 1493
Largo, Florida 33779
(904) 527-9671

Thank you for your prompt attention to this request. Please call me at 572-9797 to confirm your receipt of this request.

Sincerely,

CENTRAL FLORIDA TESTING LABORATORIES, INC.

Bernard A. Ball, Jr.

Bernard A. Ball, Jr.
Environmental Engineer
BaB/bAb

enclosure: FDEP Public Notice of Intent

Copy to: **Mr. Dennis Price – Angelo's Recycled Materials, Inc.**
Mr. Jonathan Holtom, FDEP (AQS) - Tallahassee

PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DRAFT Permit No.: 7770179-002-AC
Angelo's Recycled Materials, Inc.

The Department of Environmental Protection (Department) gives notice of its intent to issue an amended air construction permit to Angelo's Recycled Materials, Inc. for a diesel engine powered portable concrete and asphalt material crusher that will be operated at construction and industrial sites throughout Florida. The crusher is a minor source of air pollution and not subject to the Prevention of Significant Deterioration (PSD) regulations, Rule 62-212.400, F.A.C. A Best Available Control Technology determination was not required for this facility. The applicant's name and address are: Angelo's Recycled Materials, Inc., P. O. Box 1493, Largo, Florida 33779-1493.

The applicant proposes to operate the facility in counties covered by this notice. The proposed initial location is 1440 South Perimeter Road, West Palm Beach, Palm Beach County. The units will emit fugitive particulate matter and the products of combustion from the diesel fuel. Air pollution control is accomplished by wetting as needed.

Total emissions of pollutants from the facility are estimated to be:

Pollutants	Estimated Hourly Emissions lb/hr	Estimated Annual Emissions TPY
Crusher		
PM/PM ₁₀	2.1	3.3
Diesel Power		
NOx	15.2	23.7
SO ₂	1.0	1.6
CO	3.3	5.1
PM ₁₀	1.1	1.7
VOC	1.2	1.9

Because of the low emissions and limited time of operation at any one site, the crusher will not cause or contribute to any violation of an ambient air quality standard.

The Department will issue the Amended Construction Permit unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed Amended Construction Permit issuance actions for a period of 14 (fourteen) days from the date of publication of this Notice. Written comments should be provided to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this Amended Permit, the Department shall issue a Revised Permit and require, if applicable, another Public Notice.

The Department will issue the Amended Construction Permit unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57 F.S. Mediation is not available for this action. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57 F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000, telephone: 850/488-9370, fax: 850/487-4938. Petitions must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. A petitioner must mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under

Sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-5.207 of the Florida Administrative Code.

A petition must contain the following information: (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Permit File Numbers and the county in which the project is proposed; (b) A statement of how and when each petitioner received notice of the Department's action or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the material facts disputed by petitioner, if any; (e) A statement of the facts that the petitioner contends warrant reversal or modification of the Department's action or proposed action; (f) A statement identifying the rules or statutes that the petitioner contends require reversal or modification of the Department's action or proposed action; and (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take with respect to the Department's action or proposed action addressed in this notice of intent.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

A copy of the amended construction permit and the technical evaluation are available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Florida Dept. of Environmental
Protection
Bureau of Air Regulation
111 S. Magnolia Drive, Suite 4
Tallahassee, Florida 32301
Telephone: 850/488-0114

Palm Beach County Health Department
Division of Environmental Science &
Engineering
901 Evernia Street
West Palm Beach, Florida 33401
Telephone: 561/355-3070

Dept. of Environmental Protection
Southeast District
400 North Congress Avenue
West Palm Beach, Florida 33401
Telephone: 561/681-6600

The complete project file, which includes the application, technical evaluation, permits, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S., is available in the office of the permitting authority in Tallahassee. Interested persons may contact either Jonathan Holtom, P.E. or Ross Pollock, project engineer at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/488-0114, for additional information.

MEMORANDUM

TO: Clair Fancy, P.E.
FROM: Ross Pollock *R.P.*
THRU: Jonathan Holtom, P.E. *J.H.*
DATE: November 10, 1999
Re: Intent package for DRAFT Permit No.: 7770179-002-AC
Angelo's Recycled Materials, Inc.
Aggregate Processing Plant No. 3

Day 90: December ¹²~~14~~, 1999

This facility has previously received a construction permit. This is a permit modification for a change in the initial location of the facility and an extension to the original expiration date. Since the initial construction permit was issued, changes have also been made to the facility. The facility initially had two crushers. One of the crushers has been removed. The permit modification reflects all changes that have been made to the facility.

The applicant submitted an application, which described all changes that had been made to the facility since the initial construction permit was issued. The application was received on September 13, 1999. Due to the changes made to the facility another public notice will be required.

I recommend that this Notice of Permit Extension and Minor Modification be sent out as attached.

CHF/rjp
[electronic file name: xxxxxxx1.mem]

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1. Addressee's Address
- 2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
 Mr. Bob Coble, General Manager
 Angelo's Recycled Materials, Inc.
 Post Office Box 1493
 Largo, Florida 33779-1493

4a. Article Number
 Z 094 212 698

4b. Service Type
 Registered Certified
 Express Mail Insured
 Return Receipt for Merchandise COD

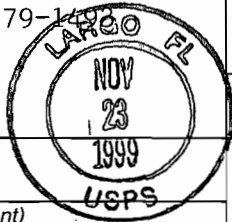
7. Date of Delivery

5. Received By: (Print Name)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)

X



PS Form 3811, December 1994

102595-98-B-0229

Domestic Return Receipt

Thank you for using Return Receipt Service.

Z 094 212 698

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to Mr. Bob Coble, General Manager	
Street & Number Post Office Box 1493	
Post Office, State, & ZIP Code Largo, Florida 33779-1493	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date 11/19/99 Angelo's Recycled Materials, Inc.-7770179-002-AC	

PS Form 3800, April 1995