



Department of Environmental Protection

Jeb Bush
Governor

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

David B. Struhs
Secretary

P.E. Certification Statement

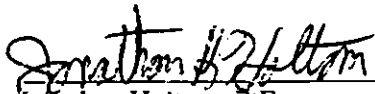
Angelo's Recycled Materials, Inc., Plant No. 3
Initial Project Site:
1440 South Perimeter Road
West Palm Beach, FL 33406

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 supervi


Jonathan Holtom, P.E.
Registration Number: 0052664

11/15/99
Date

*Called R. Pollock to ask if this is all of extension & amendment we informed me that expiration date was 4/15/2000 as it is not in here asked him to send me letter. Response was he would. He said attach this to first permit as an amendment!
DBS. 11/24/99*

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"

**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:

*expiration
to date
per Ross Pollack
FDEP is 4/15/2000.
sending letter to add.
BBH*

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 | | |
| 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.