



# Department of Environmental Protection

Lawton Chiles  
Governor

Virginia B. Wetherell  
Secretary

February 13, 1998

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Brian P. Smith, Vice President  
Crusher Contractors, Inc.  
135 Timber Lane  
Jupiter, Florida 33458

Re: DRAFT Permit No. 7775057-001-AC  
Construction Permit for a Mobile Asphalt Crusher

Dear Mr. Smith:

Enclosed is one copy of the Draft Air Construction Permit for a mobile crusher to operate at asphalt plant sites in Florida. The Technical Evaluation and Preliminary Determination, the Department's Intent to Issue Air Construction Permit and the "PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT" are also included.

The "PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT" must be published in a newspaper having general circulation in each county you intend to operate in within 30 (thirty) days of receipt of this letter. Proof of publication, i.e., newspaper affidavit, must be provided to the Department's Bureau of Air Regulation office within 7 (seven) days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit.

Please submit any written comments you wish to have considered concerning the Department's proposed action to A. A. Linero, P.E., Administrator, New Source Review Section at the above letterhead address. If you have any questions, please contact Willard Hanks at 850/921-9528.

Sincerely,

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

CHF/wh

Enclosures

In the Matter of an  
Application for Permit by:

Crusher Contractors, Inc.  
135 Timber Lane  
Jupiter, Florida 33458

DRAFT Permit No. 7775057-001-AC  
Statewide Operations

### INTENT TO ISSUE AIR CONSTRUCTION PERMIT

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit (copy of DRAFT Permit attached) for the proposed project, detailed in the application specified above and the attached Technical Evaluation and Preliminary Determination, for the reasons stated below.

The applicant, Crusher Contractors, Inc., applied on January 15, 1998, to the Department for an air construction permit for a diesel powered mobile asphalt material crusher to operate at asphalt plant industrial sites in Florida.

The Department has permitting jurisdiction under provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-212. The above action is not exempt from the permitting procedures. The Department has determined that an air construction permit is required to construct the portable asphalt material crusher.

The Department intends to issue an air construction permit based on the belief that reasonable assurances have been provided to indicate that operation of this emission unit will not adversely impact air quality, and the emission unit will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C.

Pursuant to Section 403.815, F.S., and Rule 62-103.150, F.A.C., you (the applicant) are required to publish at your own expense the enclosed "PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT". The notice shall be published one time only within 30 (thirty) days in the legal advertisement section of a newspaper of general circulation in the area affected. For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used must be one with significant circulation in the area that may be affected by the permit. If you are uncertain that a newspaper meets these requirements, please contact the Department at the address or telephone number listed below. The applicant shall provide proof of publication to the Department's Bureau of Air Regulation, at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-1344; Fax 850/ 922-6979) within 7 (seven) days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit pursuant to Rule 62-103.150 (6), F.A.C.

The Department will issue the FINAL Permit, in accordance with the conditions of the enclosed DRAFT 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 and requests for public meetings concerning the proposed DRAFT Permit issuance action for a period of 14 (fourteen) days from the date of publication of "PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT." Written comments and requests for public meetings 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 the DRAFT Permits, the Department shall issue a Revised DRAFT Permits and require, if applicable, another Public Notice.

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

# Florida Department of Environmental Protection

Memorandum

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:  
 Brian P. Smith, VP  
 Crusher Contractors, Inc.  
 135 Timber Lane  
 Jupiter, FL  
 33458

4a. Article Number  
 P 265 659 294

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

7. Date of Delivery  
 2/18

5. Received By: (Print Name)

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

6.  
PS

Thank you for using Return Receipt Service.

Receipt

P 265 659 294

US Postal Service  
**Receipt for Certified Mail**  
 No Insurance Coverage Provided.  
 Do not use for International Mail (See reverse)

Sent to	Brian P. Smith
Street & Number	Crusher Contractors
Post Office, State, & ZIP Code	Jupiter FL
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	2-16-98
	7775057-001-AC

PS Form 3800, April 1995

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: 850/488-9730, 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 Number 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 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.

In addition to the above, a person subject to regulation has a right to apply 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, 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.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of

the EPA and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

Executed in Tallahassee, Florida.



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

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this INTENT TO ISSUE AIR CONSTRUCTION PERMIT (including the PUBLIC NOTICE, Technical Evaluation and Preliminary Determination, and the DRAFT permit) was sent by certified mail (\*) and copies were mailed by U.S. Mail before the close of business on 2-16-98 to the person(s) listed:

Mr. Brian Smith, Crusher Contractors, Inc. \*  
District Air Program Administrators  
County Air Program Administrators  
Mr. Eugene Schaltenbrand, Brooks & Assoc.

Clerk Stamp

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

Keri Isber  
(Clerk)

2-16-98  
(Date)

**PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT**

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DRAFT Permit No. 7775057-001-AC  
Portable Asphalt Material Crusher

**NOTICE TO BE PUBLISHED  
IN THE NEWSPAPER**

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit to Crusher Contractors, Inc. for a diesel engine powered portable asphalt material crusher that will be operated at asphalt plants 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 the unit. The applicant's name and address are: Crusher Contractors, Inc., 135 Timber Lane, Jupiter, Florida 33458.

The applicant proposes to construct and operate a portable asphalt crusher powered by diesel engines at asphalt plants in counties in Florida that this notice appear in. The crusher will emit particulate matter and the products of combustion from the diesel fuel.

Maximum emissions of pollutants from this facility (crusher and 2 diesel engines) are estimated to be:

<u>Pollutant</u>	<u>Hourly Emissions</u> pounds per hour	<u>Annual Emissions</u> tons per year
Particulate matter(PM/PM <sub>10</sub> )	5.2	4.5
Nitrogen Oxides (NO <sub>x</sub> )	4.4	10.6
Carbon Monoxide (CO)	1.0	2.4
Sulfur dioxide (SO <sub>2</sub> )	0.3	0.7
Volatile Organic Compounds (VOC)	0.4	1.0

The facility is not expected to cause or contribute to any violation of an ambient air quality standard.

The Department will issue the FINAL Permit, in accordance with the conditions of the DRAFT 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 DRAFT 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 these DRAFT Permit, the Department shall issue a Revised DRAFT Permit and require, if applicable, another Public Notice.

The Department will issue the FINAL Permit with the conditions of the DRAFT 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 (or a request for mediation, as discussed below) 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

# NOTICE TO BE PUBLISHED IN THE NEWSPAPER

Draft Permit No. 7775057-001-AC  
Page 2 of 3

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 complete project file 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:

Dade County Department of  
Environmental Resources Mgmt.  
33 Southwest 2nd Ave., Suite 900  
Miami, Florida 33130-1540  
Telephone: 305/372-6925

Broward County Department of  
Natural Resource Protection  
218 Southwest 1st Avenue  
Fort Lauderdale, Florida 33301  
Telephone: 954/519-1220

Hillsborough County Environmental  
Protection Commission  
1410 North 21 Street  
Tampa, Florida 33605  
Telephone: 813/272-5530

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

Air Quality Division  
Pinellas County Department of  
Environmental Management  
300 South Garden Avenue  
Clearwater, Florida 34616  
Telephone: 813/464-4422

Air and Water quality Division  
Regulatory and Environmental  
Services Department  
421 West Church Street, Suite 412  
Jacksonville, Florida 32202-4111  
Telephone: 904/630-3484

Dept. of Environmental Protection  
Northwest District  
160 Government Center, Suite 308  
Pensacola, Florida 32501-5791  
Telephone: 904/444-8300

Dept. of Environmental Protection  
Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida  
Telephone: 813/744-6100

Dept. of Environmental Protection  
South Florida District  
2295 Victoria Avenue, Suite 364  
Fort Myers, Florida 33901  
Telephone: 813/332-6975

Dept. of Environmental Protection  
Northeast District  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256  
Telephone: 904/448-4300

Dept. of Environmental Protection  
Central District  
3319 Maguire Boulevard, Suite 232  
Orlando, Florida 32803-3767  
Telephone: 407/984-7555

Dept. of Environmental Protection  
Southeast District  
400 North Congress Avenue  
West Palm Beach, Florida 33416-5425  
Telephone: 561/681-6600

The complete project file includes the application, technical evaluations, Draft Permit, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Administrator, New Resource Review Section at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/488-1344, for additional information.

TECHNICAL EVALUATION  
AND  
PRELIMINARY DETERMINATION

Crusher Contractors, Inc.

Portable Asphalt Material Crusher  
State Wide Operation

Air Construction Permit Number:

7775057-001-AC

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

February 13, 1998



# TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

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## 1. APPLICATION INFORMATION

### 1.1 Applicant's Name and Address

Mr. Brian P. Smith, Vice President  
Crusher Contractors, Inc.  
135 Timber Lane  
Jupiter, Florida 33458

### 1.2 Reviewing and Process Schedule

January 15, 1998      Date of Receipt of Application  
January 21, 1998      Department's Incompleteness Letter  
January 30, 1998      Response to DEP January 21 letter

## 2. FACILITY INFORMATION

### 2.1 This application is for a 200 TPH Kemco Dynabreaker relocatable asphalt material crushing unit that may be operated throughout Florida.

Major components of the crusher system are a crusher, screen, conveyors, two diesel engines, and a water spray system to control fugitive dust emissions.

The portable crusher emits particulate matter from the handling and crushing of asphalt material and the normal products of combustion from the diesel fuel burned in the diesel engines used to power the crusher. Water will be added to the material being processed 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.	1400	Asphalt Material Processing

### 2.3 Facility Category

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 non-Title V facility.

Based on the specific conditions in the draft permits and the physical restrictions of the equipment, this facilities is classified as minor sources of air pollution.

# TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

## 3. PROJECT DESCRIPTION

3.1 The permit for this facility addresses the following emission units:

EMISSION UNIT NO.	Plt. ID SYSTEM	FACILITY DESCRIPTION
001	1	200 TPH Kemco Dynabreaker Portable Crusher
002	2	Caterpillar Model 3408 Diesel Engine
003	3	Cummins Diesel Engine

## 4. PROCESS DESCRIPTION

### 4.1 General Information

Asphalt material is fed to the crusher and reduced in size. The crushed material is screened and stored in an open area. Dust from the crushing of the material will be controlled by wetting with water when necessary. Power for the units comes from diesel engines which burn a maximum of 5 gallons per hour (GPH) of fuel containing up to 0.5 percent sulfur by Unit 002 and 2 GPH by Unit 003.

## 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.).

The relocatable facility may operate in more than one county in Florida. These areas contain land that is designated as maintenance for ozone and particulate matter, unclassifiable for PM10 and sulfur dioxide, and lead and attainment for all other criteria pollutants in accordance with Rule 62-204.340, F.A.C. The proposed project is not subject to review under Rule 62-212.400., F.A.C., Prevention of Significant Deterioration (PSD), because the crusher is a minor unit and the potential emission for all criteria pollutants do not exceed the significance 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 crushing system is subject to Rule 62-296.700, F.A.C., Reasonable Available Control Technology for particulate matter (PM RACT), when operated in a maintenance area for particulate matter (parts of Duval and Hillsborough Counties).

The unit is subject to 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants, because asphalt material is primarily sand and gravel.

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

# TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

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 facility 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 unit are summarized in the following table.

### 6.2 Emission Summary

The facility is a minor sources for all criteria air pollutants. Following are the estimated emissions from the unit which are based on processing 200 TPH material while burning 7 GPH diesel fuel during 4,800 hours per year operation.

Pollutants	Hourly Emissions lb/hr	Annual Emissions TPY
<b>Crusher</b>		
PM/PM <sub>10</sub>	4.9	3.8
<b>Diesel Power</b>		
NO <sub>x</sub>	4.4	10.6
SO <sub>2</sub>	0.3	0.7
CO	1.0	2.4
PM/PM <sub>10</sub>	0.3	0.7
VOC	0.4	1.0

### 6.3 Control Technology Review

The crusher unit and associated screens and conveyors are potential sources of fugitive particulate matter emissions. Emissions from the process equipment and work area shall be controlled by wetting the asphalt material when needed.

## TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

The diesel engines powering the crusher will emit the products of combustion. Diesel fuel for off road service use contains a maximum of 0.5 percent sulfur.

The federal regulations limit visible emissions from the crusher to 15 percent opacity and from the belt conveyors/transfer points to 10 percent opacity. The state regulations for this facility limit visible emissions of the diesel engines and other parts of the operation to 20 percent opacity.

The Reasonably Available Control Technology regulations for these operations (Rule 62-296.711, F.A.C.) limit visible emissions to 5 percent opacity. Thus, when this facility operates in maintenance areas for particulate matter (parts of Duval and Hillsborough Counties), it will have to control the visible emissions to the more restrictive emission standards.

Emissions from this facility are limited by production and hours per year operation limits.

### 6.4 Air Quality Analysis

An air quality analysis was not conducted for this unit. The Department does not expect the 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 and additional information submitted by Crusher Contractors, Inc., 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 draft conditions of approval.

*Permit Engineer: Willard Hanks*

*Reviewed and Approved by C. H. Fancy, P.E.*



# Department of Environmental Protection

# DRAFT

Lawton Chiles  
Governor

Virginia B. Wetherell  
Secretary

## PERMITTEE:

Crusher Contractors, Inc.  
135 Timber Lane  
Jupiter, Florida 33458

FID No.	7775057
Permit No.	7775057-001-AC
Expires:	October 1, 1998

## Authorized Representative:

Mr. Brian P. Smith, Vice President

## PROJECT AND LOCATION:

This permit authorizes Crusher Contractors, Inc. to construct a diesel engine powered portable asphalt material crusher for statewide operation. This facility may operate in any county covered by a notice of intent to issue air permit published within 5 years of the proposed relocation and at any asphalt plant industrial sites listed on the Notification of Intent to Relocate Air Pollutant Emitting Facility provided a permit for this facility has been issued or amended to authorize operation in the county.

It may operate in other counties within the state provided that the public notice requirements have been met in the counties and the unit's permit has been amended to authorize operation in the other counties.

## 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 and 62-212. The above named permittee is authorized to construct the units 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).

## Attached appendices and Tables are made a part of this permit:

Appendix GC      Permit General Conditions  
Appendix CSC     Permit Common Specific Conditions

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Howard L. Rhodes, Director  
Division of Air Resources  
Management

AIR CONSTRUCTION PERMIT 7775057-001-AC  
SECTION I. FACILITY INFORMATION

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## SUBSECTION A. FACILITY DESCRIPTION

This facility consist of a Kemco Dynabreaker portable crusher with associated equipment (crusher, one screen, five conveyors, and a water spray system) powered by two diesel engines (Caterpillar 3408 and 4 cylinder Cummins). Fugitive dust is controlled by wetting the material being process as needed. The unit is used at asphalt plant industrial sites to reduce the size of asphalt material.

## SUBSECTION B. EMISSION UNITS

This permit addresses the following emission units at crushing system No. 1.

EMISSIONS UNIT NO.	SYSTEM	EMISSIONS UNITS DESCRIPTION
001	Raw Material Processed	Material Handling and Crushing (fugitive emissions)
002	Power	Caterpillar 3408 Diesel Engine
003	Power	Cummins Diesel Engine

## SUBSECTION C. REGULATORY CLASSIFICATION

This facility has an SIC Code No. 1422 : Stone Quarrying/Processing. The relocatable plant is a Non-Title V minor source of air pollution.

## SUBSECTION D. PERMIT SCHEDULE

- 01/15/98 Received application for Construction Permit.
- 01/21/98 Department letter requesting additional information.
- 01/30/98 Letter supplying the requested information received.
- 01/30/98 Construction Permit Application deemed complete.

## SUBSECTION E. 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 January 15, 1998.
- Department's letter dated January 21, 1998.
- Brooks & Associates letter dated January 28, 1998..
- Technical Evaluation and Preliminary Determination dated XXXXXX
- Public Notice of Intent published in the XXXXXX on XXXXXX.

AIR CONSTRUCTION PERMIT 7775057-001-AC  
SECTION II. EMISSION UNIT(S) GENERAL REQUIREMENTS

**DRAFT**

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**SUBSECTION A. ADMINISTRATIVE**

- A.1. Regulating Agencies: All documents related to the permit to operate, reports, tests, minor modifications and notifications shall be submitted to the District or County Environmental office which has jurisdiction over the facility operating these units.
- A.2. Changes/Modifications: All applications for permits to operate or modify these emission unit(s) should be submitted to the Bureau of Air Regulation (BAR), Florida Department of Environmental Protection (FDEP) located at 2600 Blairstone Road, Tallahassee, Florida 32399-2400 and phone number (850)488-1344.
- A.3. General Conditions: The owner and operator is 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.]
- A.4. Terminology: The terms used in this permit have specific meanings as defined in the corresponding chapters of the Florida Administrative Code.
- A.5. 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.]
- A.6. Expiration: This air construction permit shall expire on October 1, 1998. [Rule 62-210.300(1), F.A.C.]. The permittee may, for good cause, request that the construction permit be extended. Such a request shall be submitted to the BAR prior to 60 days before the expiration of the permit. However, the permittee shall promptly notify the permitting authority office of any delays in completion of the project which would affect the startup day by more than 90 days. [Rule 62-4.090, F.A.C.]
- A.7. Applicable Regulations: Unless otherwise indicated in this permit, the construction and operation of the portable crusher and diesel powered units shall be in accordance with the capacities and specifications stated in the application. This facility is subject to all applicable provisions of Chapter 403, F.S. and Florida Administrative Code Chapters 62-4; 62-103; 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297. Issuance of this permit does not relieve the facility owner or operator from compliance with any applicable federal, state, or local permitting requirements or regulations. [Rule 62-210.300, F.A.C.]
- A.8. Relocation Notification: At least 7 days prior to relocating the plant to an approved county whose public notice was published within the last 5 years, the permittee shall notify the air program administrator for the Department's District and, if applicable, county environmental program. The notification will be on DEP Form 62-210.900(3), F.A.C. All potential operation sites may be shown on a USGS topographic map. Unless notified otherwise by an environmental agency, the plant may be relocated and operated in any county on the list. A county license, a discretionary public notice, or additional restrictions for the operation at a specific site may be imposed by the environmental agency. If the public notice for a county is more than 5 years old, the Form shall be submitted at least 30 days

AIR CONSTRUCTION PERMIT 7775057-001-AC  
SECTION II. EMISSION UNIT(S) GENERAL REQUIREMENTS

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in advance of the move and a new public notice is required prior to operating in the county. If the facility was never authorized to operate in the county, the permittee shall obtain an amendment to this permit prior to relocating to the county.

- A.9. Application for an Operating Permit: An application for an operating permit must be submitted to the BAR at least 90 days prior to the expiration date of this operation permit. To obtain an operation permit, the applicant shall submit the appropriate application form, fee, a report on any physical change or major maintenance to the facility, and a compliance test report as required by this permit. [Rule 62-4.220, F.A.C.]



AIR CONSTRUCTION PERMIT 7775057-001-AC  
SECTION III. EMISSION UNIT(S) SPECIFIC CONDITIONS

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**SUBSECTION A. SPECIFIC CONDITIONS:**

The following Specific Conditions apply to the following emission units:

EMISSION UNIT NO.	System	EMISSION UNIT DESCRIPTION {EMISSIONS}
001	Material handling/processing	Kemco Dynabreaker Portable Crusher (fugitive particulate)
002	Power	Caterpillar 3408 Diesel Engine (products of combustion)
003	Power	4 Cyl. Cummins Diesel Engine (products of combustion)

**EMISSION LIMITATIONS**

A.1. The crusher processing system is subject to the General Pollutant Emission Limiting Standards, Rule 62-296.320, F.A.C., and the PM RACT regulations (Rule 62-296.700, F.A.C.). Emission unit No. 001 shall comply with all applicable provisions of Chapters 62-210, F.A.C., and 62-296, F.A.C. The process emission sources and their visible emission limits for areas designated nonattainment or maintenance for particulate matter are listed below.

Emission Source	Visible Emission Limit (percent opacity)
Jaw Crusher	5
Screens	5
Grizzly Feeder	5
Portable Discharge System	5
Belt Conveyor Transfer Points	10
Truck Loading/Unloading	5

For areas that are undesignated or attainment for particulate matter, visible emissions from any crusher shall not exceed 15 percent opacity and visible emissions from any belt conveyors/transfer points shall not exceed 10 percent opacity. [Rule 62-296.800, F.A.C.]

- A.2. The maximum visible emissions for Unit Nos. 002 and 003 (diesel engines) and any part of the crusher system operation shall not exceed 20 percent opacity. [Rule 62-296.320, F.A.C.]
- A.3. In order to minimize excess emissions during startup/shutdown/malfunction this emission units shall adhere to best operational practices. [Rule 62-210.700, F.A.C. and 40 CFR 60.7]
- A.4. The following work practices (reasonable precautions) shall be followed:
- The posted and enforced plant-wide speed limit is 5 mph;

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SECTION III. EMISSION UNIT(S) SPECIFIC CONDITIONS

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- The site yard, unpaved roadways, and stockpiles are kept wet by water gun, water truck, and/or sprinkling system as necessary to prevent the occurrence of emissions of unconfined particulate matter (Rule 62-296.320(4)(c), F.A.C.).

A.5. In order to provide reasonable assurance that the precautions and practices taken at the plant are adequate, emissions of unconfined particulate matter from the non-process emission sources shall not exceed 5 percent opacity. Exceedance of this limit shall not be considered a violation in and of itself, but an indication that additional control precautions and/or practices beyond those outlined above may be necessary. (Rule 62-4.070(3), F.A.C.).

### OPERATIONAL LIMITATIONS

A.6. These emission units are allowed to operate up to 4,800 hours during any calendar year. [Rule 62-210.200, F.A.C. Definitions-Potential to emit (PTE)].

A.7. The crusher may process up to 200 TPH (monthly average) and 960,000 TPY asphalt material (total).

A.8. The diesel engines may burn up to 7 GPH (total for both engines) and 33,600 GPY diesel fuel containing a maximum of 0.50 percent sulfur by weight.

### TEST METHODS AND PROCEDURES

A.9. ASTM D129-91, Standard Test Method for Sulfur in Petroleum Products, shall be used to determine compliance with the sulfur limit for the fuel. Certification of the sulfur content in the diesel fuel from the supplier is also acceptable. Records of the sulfur content of each delivery shall be maintained. [Rule 62-296.800, F.A.C.; 40 CFR 60.675(b)(1) and (2)]

A.10. For the truck loading/unloading operation and the diesel engine drive, compliance with the visible emissions limitation shall be determined using EPA Method 9 as contained in Rule 62-297, F.A.C. The visible emissions test shall be conducted by a certified observer and be a minimum of: 1) 12 minutes in duration (or 3 batches) during truck loading, and 2) 30 minutes in duration for the diesel engines. 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.

A.11. Compliance with the allowable emission limiting standards for the crusher system listed in the Specific Conditions shall be determined annually by using the following reference method as described in 40 CFR 60, Appendix A (1995, version) adopted by reference in Chapter 62-204, F.A.C. The owner or operator shall use the reference methods and procedures in 40 CFR 60, Appendix A, except as provided in 40 CFR 60.8(b). [Rule 62-296.800, F.A.C.; 40 CFR 60.675(a)]

Method 9 and the procedures in 40 CFR 60.11 shall be used to determine opacity. The annual test shall be for a minimum of 30 minutes duration.

AIR CONSTRUCTION PERMIT 7775057-001-AC  
SECTION III. EMISSION UNIT(S) SPECIFIC CONDITIONS

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- A. 12. In determining compliance with the particulate matter standards in 40 CFR 60.672 (b) and 40 CFR 60.672(c), the owner or operator shall use Method 9 and the procedures in 40 CFR 60.11, with the following additions:
- The minimum distance between the observer and the emission unit shall be 4.57 meters (15 feet).
  - The observer shall, when possible, select a position that minimizes interference from other fugitive emission units (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.
  - For affected emission 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. [Rule 62-296.800, F.A.C.; 40 CFR 60.675(c)(1), (2) and (3)]
- A.13. If any conveyor transfer point or affected facility for the crusher system operates indoors, that part of the facility is subject to the alternate testing and emission standards specified in 40 CFR 60.672(e). The performance test shall be conducted while all affected emission units inside the building are operating. The performance test for each building shall be at least 75 minutes in duration, with each side of the building and the roof being observed for at least 15 minutes. [Rule 62-296.800, F.A.C.; 40 CFR 60.675(d)]
- A.14. For the method and procedure of 40 CFR 60.675(c), if emissions from two or more emission units continuously interfere so that the opacity of fugitive emissions from an individual affected emission unit cannot be read, either of the following procedures may be used:
- Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected emission units contributing to the emissions stream.
  - Separate the emissions so that the opacity of emissions from each affected emission unit can be read. [Rule 62-296.800, F.A.C.; 40 CFR 60.675(e)(1)(i) and (ii)]
- A.15. The owner or operator shall submit written reports to the appropriate regulating agency 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) and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). [Rule 62-296.800, F.A.C.; 40 CFR 60.676(f)]

AIR CONSTRUCTION PERMIT 7775057-001-AC  
SECTION III. EMISSION UNIT(S) SPECIFIC CONDITIONS

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## RECORDKEEPING AND REPORTING REQUIREMENTS

A.16. The permittee shall maintain a log showing the annual hours per year operation, fuel consumption, and any major maintenance on the units. Operators shall keep a log to include, at a minimum, the following information:

- The daily location and production rate.
- The daily hours of operation of the crusher system.
- Maintenance/repair logs for any work performed on equipment or instrument which is subject to this permit.
- Daily diesel fuel usage.
- Daily comments on the use of wetting agents to control fugitive dust.

All measurements, records, and other data required to be maintained by permittee shall be retained for at least five (5) years following the date on which such measurements, records, or data are recorded. These data shall be made available to the Department or county upon request. The District or County Environmental Agency, if applicable, having jurisdiction over the site that the units are operated at shall be notified in writing at least 15 days prior to the testing (auditing) of any instrument required to be operated by these specific conditions of certification in order to allow witnessing by authorized personnel. [Rule 62-4.070(3), F.A.C.]

## DAILY OPERATION AND MAINTENANCE (O&M)

A.17. 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 the parameters being monitored, the frequency of the check/maintenance, observations, and comments.

A.18. 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.

## APPENDIX GC GENERAL PERMIT CONDITIONS [F.A.C. 62-4.160]

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- G.1 The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
- G.2 This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings or exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
- G.3 As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey and vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
- G.4 This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
- G.5 This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
- G.6 The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
- G.7 The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:
- (a) Have access to and copy and records that must be kept under the conditions of the permit;
  - (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit, and,
  - (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

- G.8 If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
- (a) A description of and cause of non-compliance; and
  - (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

APPENDIX GC  
GENERAL PERMIT CONDITIONS [F.A.C. 62-4.160]

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The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

- G.9 In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
- G.10 The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
- G.11 This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
- G.12 This permit or a copy thereof shall be kept at the work site of the permitted activity.
- G.13 This permit also constitutes:
- (a) Determination of Best Available Control Technology ( )
  - (b) Determination of Prevention of Significant Deterioration ( ); and
  - (c) Compliance with New Source Performance Standards (X).
- G.14 The permittee shall comply with the following:
- (a) 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.
  - (b) 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 or this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
  - (c) Records of monitoring information shall include:
    - 1. The date, exact place, and time of sampling or measurements;
    - 2. The person responsible for performing the sampling or measurements;
    - 3. The dates analyses were performed;
    - 4. The person responsible for performing the analyses;
    - 5. The analytical techniques or methods used; and
    - 6. The results of such analyses.
- G.15 When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.
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## APPENDIX CSC

### EMISSION UNIT(S) COMMON SPECIFIC CONDITIONS

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#### SUBSECTION 1.0 CONSTRUCTION REQUIREMENTS

- 1.1 Applicable Regulations: Unless otherwise indicated in this permit, the construction and operation of the subject emission unit(s) 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, 62-103, 62-204, 62-210, 62-212, 62-213, 62-296, 62-297; and the applicable requirements of the Code of Federal Regulations Section 40, Part 60, adopted by reference in the Florida Administrative Code regulation [Rule 62-204.800 F.A.C.]. Issuance of this permit does not relieve the facility owner or operator from compliance with any applicable federal, state, or local permitting requirements or regulations. [Rule 62-210.300, F.A.C.]

#### SUBSECTION 2.0 EMISSION LIMITING STANDARDS

- 2.1 General Particulate Emission Limiting Standards. 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 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). [Rule 62-296-320(4)(b)1, F.A.C.]
- 2.2 Unconfined Emissions of Particulate Matter [Rule 62-296.320(4)(c), F.A.C.]
- (a) The owner or operators shall not cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any source whatsoever, including, but not limited to, 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 emission.
  - (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 include the following:
    - Paving and maintenance of roads, parking areas and yards.
    - Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
    - Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
    - Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.

## APPENDIX CSC

### EMISSION UNIT(S) COMMON SPECIFIC CONDITIONS

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- Landscaping or planting of vegetation.
- Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
- Confining abrasive blasting where possible.
- Enclosure or covering of conveyor systems.

*NOTE: Facilities that cause frequent, valid complaints may be required by the Permitting Authority to take these or other reasonable precautions. 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.*

#### 2.3 General Pollutant Emission Limiting Standards: [Rule 62-296.320, F.A.C.]

- (a) The owner or operator shall not 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.
- (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 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. [F.A.C. 62-210.200(198)]*

#### SUBSECTION 3.0 OPERATION AND MAINTENANCE

- 3.1 Changes/Modifications: The owner or operator shall submit to the Regulating Authority(s), for review any changes in, or modifications to: the method of operation; process or pollution control equipment; increase in hours of operation; equipment capacities; or any change which would result in an increase in potential/actual emissions. Depending on the size and scope of the modification, it may be necessary to submit an application for, and obtain, an air construction permit prior to making the desired change. *Routine maintenance of equipment will not constitute a modification of this permit.* [Rule 62-4.030, 62-210.300 and 62-4.070(3), F.A.C.]
- 3.2 Plant Operation - Problems: If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by fire, wind or other cause, the owner or operator shall notify the Regulating Authority as soon as possible, but at least within (1) working day, excluding weekends and holidays. The notification shall include: pertinent information as to the cause of the problem; the steps being taken to correct the problem and prevent future recurrence; and where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any



## APPENDIX CSC

### EMISSION UNIT(S) COMMON SPECIFIC CONDITIONS

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liability for failure to comply with the conditions of this permit and the regulations. [Rule 62-4.130, F.A.C.]

3.3 Circumvention: The owner or operator shall not circumvent the air pollution control equipment or allow the emission of air pollutants without this equipment operating properly. [Rules 62-210.650, F.A.C.]

3.4 Excess Emissions Requirements [Rule 62-210.700, F.A.C.]

(a) Excess emissions resulting from start-up, shutdown or malfunction of these 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 Regulating Authority office for longer duration. [Rule 62-210.700(1), F.A.C.]

(b) Excess emissions that are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure that may reasonably be prevented during start-up, shutdown, or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C.]

(c) In case of excess emissions resulting from malfunctions, the owner or operator shall notify Regulating Authority within one (1) working day of: the nature, extent, and duration of the excess emissions; the cause of the problem; and the corrective actions being taken to prevent recurrence. [Rule 62-210.700(6), F.A.C.]

3.5 Operating Procedures: Operating procedures shall include good operating practices and proper training of all operators and supervisors. The good operating practices shall meet the guidelines and procedures as established by the equipment manufacturers. All operators (including supervisors) of air pollution control devices shall be properly trained in plant specific equipment. [Rule 62-4.070(3), F.A.C.]

#### SUBSECTION 4.0 MONITORING OF OPERATIONS

4.1 Determination of Process Variables

(a) The permittee shall operate and maintain equipment and/or instruments necessary to determine process variables, such as process weight input or heat input, when such data is needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.

(b) Equipment and/or instruments used to directly or indirectly determine such process variables, including devices such as belt scales, weigh 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.]

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### EMISSION UNIT(S) COMMON SPECIFIC CONDITIONS

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#### SUBSECTION 5.0 TEST REQUIREMENTS

- 5.1 **Test Performance** Within 60 days after achieving the maximum production rate at which these emission units will be operated, but not later than 180 days after initial startup and annually thereafter, the owner or operator of this facility shall conduct performance test(s) pursuant to 40 CFR 60.8, Subpart A, General Provisions and 40 CFR 60, Appendix A. No other test method shall be used unless approval from the Department has been received in writing. Unless otherwise stated in the applicable emission limiting standard rule, testing of emissions shall be conducted with the emission unit(s) operating at permitted capacity pursuant to Rule 62-297.310(2), F.A.C. [Rules 62-204.800, 62-297.310, 62-297.400, 62-297.401, F.A.C.]
- 5.2 **Test Procedures** shall meet all applicable requirements of the Florida Administrative Code Chapter 62-297. [Rule 62-297.310, F.A.C.]
- 5.3 **Test Notification:** The owner or operator shall notify the Regulating Authority in writing at least *(30 days (initial) and 15 days (annual))* prior to each scheduled compliance test to allow witnessing. The notification shall include the compliance test date, place of such test, the expected test time, the facility contact person for the test, and the person or company conducting the test. The (30) or (15) day notification requirement may be waived at the discretion of the Department. Likewise, if circumstances prevent testing during the test window specified for the emission unit, the owner or operator may request an alternate test date before the expiration of this window. [Rule 62-297.310 and 40 CFR 60.8, F.A.C.]
- 5.4 **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 Rule 62-204, 62-210, 62-212, 62-296 and 62-297, F.A.C. or in a permit issued pursuant to those rules is being violated, it may 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 Permitting Authority. [Rule 62-297.310(7)(b), F.A.C.]
- 5.5 **Stack Testing Facilities:** The owner or operator shall install stack testing facilities in accordance with Rule 62-297.310(6), F.A.C., if needed to determine compliance with an emission standard.
- 5.6 **Exceptions and Approval of Alternate Procedures and Requirements:** An Alternate Sampling Procedure (ASP) may be requested from the Bureau of Air Monitoring and Mobile Sources of the Florida Department of Environmental Protection in accordance with the procedures specified in Rule 62-297.620, F.A.C.
- 5.7 **Operating Rate During Testing:** Unless otherwise stated in the applicable emission limiting standard rule, testing of emissions shall be conducted with the emissions unit operation at permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new

## APPENDIX CSC

### EMISSION UNIT(S) COMMON SPECIFIC CONDITIONS

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test is conducted. 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) and (3), F.A.C.]

#### SUBSECTION 6.0 REPORTS AND RECORDS

- 6.1 Duration: All reports and records required by this permit shall be kept for at least (5) years from the date the information was recorded. [Rule 62-4.160(14)(b), F.A.C.]
- 6.2 Emission Compliance Stack Test Reports:
- (a) A *test report* indicating the results of the required compliance tests shall be filed with the Regulating Authority as soon as practical, but no later than 45 days after the last sampling run is completed. [Rule 62-297.310(8), F.A.C.]
  - b) The *test report* shall provide sufficient detail on the tested emission unit and the procedures used to allow the Department to determine if the test was properly conducted and if the test results were properly computed. At a minimum, the test report shall provide the applicable information listed in **Rule 62-297.310(8), F.A.C.**
- 6.3 Excess Emissions Report: If excess emissions occur, the owner or operator shall notify the Regulating Authority within (1) 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 New Source Performance Standards, excess emissions shall also be reported in accordance with 40 CFR 60.7, Subpart A. [Rules 62-4.130 and 62-210.700(6), F.A.C.]
- 6.4 Annual Operating Report for Air Pollutant Emitting Facility: Before March 1st of each year, the owner or operator shall submit to the Permitting Authority this required report [DEP Form No. 62-210.900(5)], which summarizes operations for the previous calendar year. [Rule 62-210.370(3), F.A.C.]

#### SUBSECTION 7.0 OTHER REQUIREMENTS

- 7.1 Waste Disposal: The owner or operator shall treat, store, and dispose of all liquid, solid, and hazardous wastes in accordance with all applicable Federal, State, and Local regulations. This air pollution permit does not preclude the permittee from securing any other types of required permits, licenses, or certifications.

Florida Department of  
Environmental Protection

Memorandum

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TO: Clair Fancy

THRU: Al Linero

FROM: Willard Hanks *wmh*

DATE: February 13, 1998

SUBJECT: Crusher Contractors, Inc.  
Draft Construction Permit for a Relocatable Crusher Unit  
FID No.: 7775057-001-AC

Attached for your approval and signature is a Technical Evaluation and Preliminary Determination (including Intent, Public Notice, and Draft Permit) for a relocatable asphalt material crusher. The crusher will operate at asphalt plants throughout the state.

The relocatable crusher is a minor air emission unit. It is subject to the new source performance standards for nonmetallic mineral plants, 40 CFR 60, Subpart OOO. The applicant will use reasonable precautions (wetting) to control emissions. These precautions can meet the 15 percent opacity standard for the crusher and the 10 percent opacity standard for the conveyors/transfer points.

I recommend your approval and signature of the Department's Intent.

WH/t

attachments