In the Matter of an
Application for Permit:

Ajax Paving Industries, Inc.
510 Gene Green Road
Nokomis, Florida 34275

FID No.: 7770060
Permit No.: 7770060-004-AC
SIC No.: 2951
Expires: November16, 2005

NOTICE OF FINAL AIR CONSTRUCTION PERMIT

Enclosed is the Final Air Construction Permit, No. 7770060-004-AC, for a relocatable drum type hot mix asphalt plant, with a rock crushing unit that will be operated at sites in those counties throughout Florida as designated in Appendix PC. This permit is issued pursuant to Chapter 403, Florida Statutes (F.S.).

Any party to this order (permit) 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 Department 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 Department.

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 AIR CONSTRUCTION PERMIT was sent by certified mail (*) and copies were mailed by U.S. Mail, or electronic mail (as noted) before the close of business on 2/8/01 to the person(s) listed:

Michael Horan *, President, Ajax Paving Industries, Inc., 510 Gene Green Road, Nokomis, FL 34275
Bernard Ball Jr., Central Florida Testing Laboratories, Inc., 12625 40th Street, Clearwater, FL 33762
Ron Blackburn, DEP, South District

2/8/01 cc: Reading File

Clerk Stamp

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

Barbara J. Friday 2/8/01
(Clerk) (Date)

Department of Environmental Protection

Jeb Bush
Governor

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

David B. Struhs
Secretary

PERMITTEE

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510 Gene Green Road
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AUTHORIZED REPRESENTATIVE

Mr. Michael Horan, President

PROJECT

This permit allows the applicant to construct a drum mix asphalt plant, which will include a crusher unit operation.

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).

APPENDICES

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-DESCRIPTION AND INFORMATION

FACILITY DESCRIPTION

Ajax Paving Industries, Inc., plans to operate a 250 TPH Bitumina Construction & Engineering Company (BCE) drum mix asphalt plant at sites in Florida. Major components of the asphalt plant are a primary dry cyclone separator, BCE Model 400 baghouse system, Gentec/Hy-Way Model HGYO 200 oil heating system rated at 2.0 MMBTU/hr, BCE Reclaimed Asphalt Vibrating Screener, crusher, conveyors, hoppers, and stockpiles.

The asphalt plant burner is fired using No. 5 used fuel oil with a 0.5% sulfur limit, by weight. No. 2 virgin diesel fuel oil with a sulfur limit of 0.5%, by weight, can be used as an alternate fuel. The liquid asphalt heating system is fired with No. 2 virgin diesel fuel oil having a maximum sulfur limit of 0.5%, by weight.

The mechanical aspects of the asphalt plant and the vibrating screener are run by electric motors using commercial grid power. The crushing unit is a 200 tons per hour capacity, and will be limited to 500 hours per calendar year. The crusher may be provided by the owner or a contractor and shall operate under this permit while on site with this asphalt plant.

Water sprays will be used to control fugitive particulate matter emissions from stockpiles and unpaved roads as needed.

REGULATORY CLASSIFICATION

This facility is subject to regulation under 40 CFR 60, Subpart I, Standards of Performance for Hot Mix Asphalt Facilities; 40 CFR 60, Subpart OOO, Standards of Performance for Non-metallic Mineral Processing Plants; and, Rule 62-296.704, F.A.C., Asphalt Concrete Plants. The oil heating system portion of the facility is regulated under Rule 62-210.300, F.A.C., 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.

Air Construction Permit, 7770060-003-AC, expired May 31, 2000
Application for Air Operating Permit, 7770060-004-AO, received August 3, 2000 (withdrawn)
Application for Air Construction Permit, 7770060-004-AC, received August 31, 2000
Letter requesting inclusion of a crusher received October 16, 2000
Comments by Richard Robinson with Duval County received via e-mail on December 31, 2000

PERMITTED COUNTIES

Please see Appendix PC – Permitted Counties for a list of counties in which the facility is currently permitted to operate.

OPERATING LOCATION

The facility will begin initial operation at 1740 U.S. 27 South, Moore Haven, Glades County, Florida. The UTM coordinates of this location are Zone 17; 488.9 km E; and, 2967.9 km N.

SECTION III. FACILITY WIDE 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: In addition to the specific conditions of this permit, the owner and operator are subject to and shall operate under the General Permit Conditions G.1 through G.15, contained in the attached Appendix GC – General Permit Conditions 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 five years from date of issue. 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. Notification of Intent to Relocate:
An air permit for a relocatable facility shall be amended upon each change of location of the facility. The owner or operator of the facility must submit a Notification of Intent to Relocate Air Pollutant Emitting Facility [DEP Form No. 62-210.900(6)] to the Department's District office and/or, if appropriate, the local program office, at least seven (7) days prior to the change, if the facility would be relocated to a county in which public notice of the proposed operation of the facility had been given within the previous five years pursuant to Rule 62-210.350(1), F.A.C., or otherwise thirty (30) days prior to the change. A separate form shall be submitted for each facility in the case of the relocation of multiple facilities which are jointly owned or operated.

   The notification shall be submitted to the Department's District office and any approved local program office using DEP Form No. 62-210.900(6), along with the appropriate processing fee, and a USGS topographic map showing all potential sites in such county.
[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 for testing purposes in order to determine compliance with Department rules. An operation permit is required for continued commercial 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. A copy of the compliance test results must be submitted to the Department's Bureau of Air Regulation in Tallahassee, as well as the district office or local program, which has compliance jurisdiction over the location where the test took place.
[Rules 62-4.030, 62-4.050, 62-4.220 and 62-210.300(2), F.A.C.]

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.; Chapters 62-4, 62-204, 62-210, 62-296, and 62-297, F.A.C.; and, the Code of Federal Regulations Title 40, Parts 60 and 61, adopted by reference in the Florida Administrative Code. 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, 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 operation shall be 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 shall be watered on a regular basis by water trucks 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 8/31/2000]

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. [Note: Nothing was deemed necessary at the time of issuance.]

(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, F.A.C., Definitions, 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.]

[Rules 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.]

REPORTING AND RECORDKEEPING REQUIREMENTS

15. Annual Operating Report for Air Pollutant Emitting Facility: The Annual Operating Report for Air Pollutant Emitting Facility (DEP Form 62-210.900(5)) shall be completed each year for facilities with the potential to emit ten (10) tons per year or more of volatile organic compounds or twenty-five (25) tons per year or more of nitrogen oxides and located in an ozone nonattainment area or ozone air quality maintenance area. Therefore, the form Annual Operating Report for Air Pollutant Emitting Facility (DEP Form No. 62-210.900(5)) shall be completed for each year that the facility exceeds 1,175 hours of operation in any one of the following counties: Broward, Dade, Duval, Hillsborough, Orange, Palm Beach, or Pinellas. The form shall be submitted to the Department's District office or local program, which has permitting/compliance jurisdiction over the facility, by March 1 of the following year.
[Rule 62-210.370(3)(a), F.A.C.]

The following specific conditions apply to the following emissions points/activities after construction:

EMISSIONS POINT/ACTIVITY	DESCRIPTION
001	250 TPH BCE relocatable drum mix asphalt plant
002	GENTEC Hi-Way Oil Heating System 2MM BTU
003	BCE Reclaimed Asphalt Screener 90 TPH
004	Fugitive Emissions from Paved and Unpaved Roads
005	Fugitive Emissions from Conveyors and Stockpiles
006	Crusher Unit

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

1. Hours of Operation: The asphalt plant, with the exception of the oil heating system, is allowed to operate for 4,000 hours per calendar year. The oil heating system is allowed to operate continuously (8760 hours per calendar year). The crusher unit is allowed to operate 500 hours per calendar year. **[Rule 62-210.200, F.A.C., Definitions-potential to emit (PTE); and, applicant request]**

2. Permitted Capacity: The asphalt plant is allowed to process up to 250 TPH and up to 1,000,000 tons per calendar year of asphaltic concrete hot mix (total). The crusher is allowed to process a maximum of 200 TPH of RAP or other aggregate (maximum 100,000 tons per calendar year). **[Rule 62-210.200, F.A.C., Definitions-PTE; and, applicant request]**

3. Fuel Limitation: The asphalt plant is allowed to burn a maximum of 3.0 million gallons of fuel oil during any consecutive 12-month period. The asphalt plant is allowed to burn either on-specification used fuel oil or No. 2 virgin diesel fuel oil. Used oil shall not be burned during periods of startup or shutdown. The oil heating system and any internal combustion engines shall burn only new No. 2 diesel fuel oil, or better.

EMISSION LIMITATIONS AND PERFORMANCE STANDARDS

4. Particulate Matter: Particulate matter emissions from the hot mix drum stack shall not exceed 90 mg/dscm (0.04 grains/dscf). **[40 CFR 60.92; and, Rule 62-296.704, F.A.C.]**

5. Visible Emissions: Visible emissions from the hot mix drum stack and any screening operation shall not exceed 20 percent opacity. Visible emissions from the crusher unit that uses no capture system shall not exceed 15 percent opacity. The exception is when operating within a particulate matter maintenance area. More stringent visible emissions standards apply in air quality maintenance areas. When subject to both limits, the more stringent limit takes precedence. **[40 CFR 60.92; and, Rule 62-296.704, F.A.C.]**

   In Hillsborough County: The following area is designated maintenance for particulate matter:

   That portion of Hillsborough County which falls within the area of the circle having a centerpoint at the intersection of U. S. 41 South and State Road 60 and a radius of 12 kilometers.

   When operating in Hillsborough County, the permittee shall not cause, permit, or allow any visible emissions (five percent opacity). This includes, but is not limited to any receiving hopper, crusher, screener, mixer, heater, belt conveyor and truck loading/unloading.

6. Fuel Sulfur Limit Fuel oil burned, whether new or used, at this facility shall not contain more than 0.5 percent sulfur, by weight.

7. 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.]

8. 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:
   - Unconfined fugitive particulate matter emissions that might be generated from various emission points throughout the crushing operation shall be controlled by a water suppression system with spray bars located at the various emissions points of the operation including, but not limited to, the Grizzly feeder, the entrance and exit of the impact crusher, the classifier screens and conveyor drop points.
   - All stockpiles, roadways and work-yard, where this crushing operation is located, shall apply water (by water trucks equipped with spray bars) and/or an effective dust suppressant(s) on a regular basis to control any unconfined fugitive particulate matter 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.; application received 8/31/2000; and, applicant's letter received 10/13/2000]

USED OIL LIMITATIONS

9. Used Oil. Burning of on-specification used oil is allowed in this emissions unit in accordance with all other conditions of this permit and the following conditions:

   a. On-specification Used Oil Emissions Limitations: This emissions unit is permitted to burn "on-specification" used oil, which contains a PCB concentration of less than 50 ppm. "On-specification" used oil is defined as used oil that meets the specifications of 40 CFR 279 - Standards for the Management of Used Oil, listed below. "Off-specification" used oil shall not be burned. Used oil which fails to comply with any of these specification levels is considered "off-specification" used oil.

CONSTITUENT/PROPERTY	ALLOWABLE LEVEL
Arsenic	5 ppm maximum
Cadmium	2 ppm maximum
Chromium	10 ppm maximum
Lead	100 ppm maximum
Total Halogens	1000 ppm maximum
Flash point	100 degrees F minimum

b. Quantity Limited: The maximum quantity of used oil that may be burned by the asphalt plant is 3.0 million gallons in any consecutive 12-month period.

c. PCB Limitation: Used oil containing a PCB concentration of 50 or more ppm shall not be burned at this facility. Used oil shall not be blended to meet this requirement.

d. Operational Requirements: On-specification used oil with a PCB concentration of 2 to less than 50 ppm shall be burned only at normal source operating temperatures. On-specification used oil with a PCB concentration of 2 to less than 50 ppm shall not be burned during periods of startup or shutdown. Before accepting from each marketer the first shipment of on-specification used oil with a PCB concentration of 2 to less than 50 ppm, the owner or operator shall provide each marketer with a one-time written and signed notice certifying that the owner or operator will burn the used oil in a qualified combustion device and must identify the class of combustion device. The notice must state that EPA or a RCRA-delegated state agency has been given a description of the used oil management activities at the facility and that an industrial boiler or furnace will be used to burn the used oil with a PCB concentration of 2 to 49 ppm. The description of the used oil management activities shall be submitted to the Administrator, Hazardous Waste Regulation Section, Florida Department of Environmental Protection, 2600 Blair Stone Road, Tallahassee, FL 32399-2400.

[40 CFR 279.61 and 761.20(e)]

10. Used Oil Certification Required: The owner or operator shall receive from the marketer, for each load of used oil received, a certification that the used oil meets the specifications for on-specification used oil and contains a PCB concentration of less than 50 ppm. This certification shall also describe the basis for the certification, such as analytical results.
Used oil to be burned for energy recovery is presumed to contain quantifiable levels (2 ppm) of PCB unless the marketer obtains analyses (testing) or other information that the used oil fuel does not contain quantifiable levels of PCBs. Note that a claim that used oil does not contain quantifiable levels of PCBs (that is, that the used oil contains less than 2 ppm of PCBs) must be documented by analysis or other information. The first person making the claim that the used oil does not contain PCBs is responsible for furnishing the documentation. The documentation can be tests, personal or special knowledge of the source and composition of the used oil, or a certification from the person generating the used oil claiming that the used oil contains no detectable PCBs.
[40 CFR 761.20]

11. Used Oil Testing Required: If the owner or operator does not receive certification from the marketer as described above, the owner or operator shall sample and analyze each batch of used oil to be burned for the following parameters:

(a) Arsenic, cadmium, chromium, lead, total halogens, flash point, PCBs*, and percent sulfur content by weight, ash, and BTU value (BTU per gallon).

(b) Testing (sampling, extraction and analysis) shall be performed using approved methods specified in EPA Publication SW-846 (Test Methods for Evaluating Solid Waste, Physical/Chemical Methods), latest edition.

(c) Analysis for PCBs is not required for each lot of on spec fuel, if the vendor certifies that the used oil does not contain quantifiable levels of PCBs. If the owner or operator relies on certification from the vendor as described above, the owner or operator shall, at a minimum, for each calendar quarter, sample one load of used oil received, selected at random by the owner or operator, and analyze the sample for the above parameters. If the analytical results show that the used oil **does not meet** the specification for on-specification used oil, or that it contains a PCB concentration of **50 ppm or greater**, the owner or operator shall:

a. immediately notify the appropriate district or local program, and provide the analytical results for the above parameters; and

b. indicate the proposed means of disposal of the used oil.

[Rule 62-4.070(3), F.A.C.; 40 CFR 279; and, 40 CFR 761]

12. Used Oil Recordkeeping Required: The owner or operator shall obtain, make, and keep the following records related to the use of used oil in a form suitable for inspection at the facility by the Department:

(1) The gallons of on-specification used oil received and burned each month (This record shall be completed no later than the fifteenth day of the succeeding month.).

(2) The total gallons of on-specification used oil burned in the preceding consecutive 12-month period (This record shall be completed no later than the fifteenth day of the succeeding month.).

(3) The name and address of all marketers delivering used oil to the facility.

(4) Copies of the marketer certifications, if obtained, and any supporting information.

(5) Documentation that the used oil contains less than 2 ppm PCBs, if claimed, including the name and address of the person making the claim.

(6) Results of the analyses required above.

(7) A copy of the notice to EPA and a copy of the one-time written notice provided to each marketer.

(8) The total amount of lead emitted from burning used oil each month (calculated from the amount burned, the specific gravity of the used oil and the concentration of lead in the used oil), and the total amount of lead emitted in the preceding consecutive 12-month period (This record shall be completed no later than the fifteenth day of the succeeding month.).

[Rule 62-4.070(3), F.A.C.; 40 CFR 279.61; and, 40 CFR 761.20(e)]

13. Used Oil Reporting Required: The owner or operator shall submit to the appropriate district or local program, within thirty days of the end of each calendar quarter, the analytical results and the total amount of on-specification used oil received and burned during the quarter.
[Rule 62-4.070(3), F.A.C.; 40 CFR 279; and, 40 CFR 761]

COMPLIANCE MONITORING AND TESTING REQUIREMENTS

14. Test Frequency: Prior to obtaining an operation permit for this facility, the owner or operator shall conduct visible emissions and particulate matter compliance tests to demonstrate compliance with the standards of this permit, in accordance with the conditions listed below.
[Rule 62-297.310(7)(a)1., F.A.C.]
(a) The owner or operator of the facility shall conduct visible emissions tests annually.
[Rule 62-297.310(7)(a)4.a., F.A.C.]
(b) The owner or operator shall conduct a particulate matter test that demonstrates compliance with the standards of this permit prior to obtaining a renewed operation permit.
[Rule 62-297.310(7)(a)3., F.A.C.]

15. 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.]

16. Requirements for Initial Testing: The owner or operator shall determine compliance with the particulate matter standards of 40 CFR 60.92 as follows:

(a) EPA Method 5 shall be used to determine the particulate matter concentration. The sampling time and sampling volume for each run shall be 60 minutes and 31.8 dscf.

(b) EPA Method 9 and the procedures of 40 CFR 60.11 shall be used to determine opacity.

(c) Calculation of Emission Rate: The indicated emission rate or concentration shall be the arithmetic average of the emission rate or concentration determined by each of the three separate test runs unless otherwise specified in a particular test method or applicable rule.
[40 CFR 60.93; and, Rule 62-297.310(3), F.A.C.]

17. Requirements for Annual Testing: The owner or operator shall meet all applicable requirements of Rule 62-297.310(4), F.A.C.
[Rule 62-297.310(4), F.A.C.]

18. 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.]

19. Required Stack Sampling Facilities: Sampling facilities include sampling ports, work platforms, access to work platforms, electrical power, and sampling equipment support. All stack sampling facilities must meet any Occupational Safety and Health Administration (OSHA) Safety and Health Standards described in 29 CFR Part 1910, Subparts D and E. Sampling facilities shall also conform to the requirements of Rule 62-297.310(6), F.A.C.
[Rule 62-297.310(6), 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.; and, 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.]

21. Sulfur: 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.
[Rules 62-297.440(1)(h) and 62-4.070(3), F.A.C.; and, 40 CFR 60.17]

22. 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 RECORDKEEPING REQUIREMENTS

23. 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) Maintenance and repair logs for any work performed on the permitted emissions units.
(d) 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.]

24. 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.]

25. 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 60.92, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.92.

    (a) 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.
    (b) 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.

    [Rules 62-297.310(8)(b) & (c)1. - 6., F.A.C.]

26. 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.
[Rules 62-4.160(14)(a) & (b), F.A.C.]

27. Duration of Recordkeeping: 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.
[Rules 62-4.160(14)(a) & (b), F.A.C.]

28. 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.]**

29. 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.]

NSPS GENERAL PROVISIONS
[Note: The numbering of the original rules in the following conditions has been preserved for ease of reference. In cases where the state requirements are more restrictive than the NSPS general requirements, the state requirements shall prevail.]

30. Notification and Recordkeeping:

(a) Any owner or operator subject to the provisions of 40 CFR 60 shall furnish the Administrator written notification as follows: 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.

(c) 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]

31. 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.

(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.

(e) The owner or operator of an affected facility shall provide, or cause to be provided, performance testing facilities as follows: (1) Sampling ports adequate for test methods applicable to such facility. This includes (i) constructing the air pollution control system such that volumetric flow rates and pollutant emission rates can be accurately determined by applicable test methods and procedures and (ii) providing a stack or duct free of cyclonic flow during performance tests, as demonstrated by applicable test methods and procedures. (2) Safe sampling platform(s). (3) Safe access to sampling platform(s). (4) Utilities for sampling and testing equipment.

(f) Unless otherwise specified in the applicable subpart, each performance test shall consist of three separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the three runs shall apply. In the event that a sample is accidentally lost or conditions occur in which one of the three runs must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances, beyond the owner or operator's control, compliance may, upon the Administrator's approval, be determined using the arithmetic mean of the results of the two other runs.

[40 CFR 60.8]

32. 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). For purposes of determining initial compliance, the minimum total time of observations shall be 3 hours (30 6-minute averages) for the performance test or other set of observations (meaning those fugitive-type emission sources subject only to an opacity standard).

(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]

33. 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]

34. 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.

(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]

35. **Prohibited Operations: Asbestos Containing Materials:** This facility shall **not** process Asbestos Containing Materials (ACM), whether regulated asbestos containing material (RACM), category I or category II, and whether friable or nonfriable when received at the facility.
    (1) "Asbestos" means the asbestiform varieties of serpentinite (chrysotile), riebeckite (crocidolite), cummingtonite-grunerite, anthophyllite, and actinolite-tremolite and includes trade acronyms products such as amosite.
    (2) "Asbestos-containing materials", ACM, means any materials which contain more than one percent asbestos as determined by Polarized Light Microscopy. Based on a representative composite sample.
    (3) "Asbestos removal project" means renovation or demolition operation in a facility that involves the removal of a threshold amount of regulated asbestos-containing material.
    (4) "Category I Nonfriable Asbestos-Containing Material (ACM)" means asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than 1 percent asbestos as determined using the method specified in Appendix A, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy.
    (5) "Category II Nonfriable ACM" means any material, excluding Category I Nonfriable ACM, containing more than 1 percent asbestos as determined using the methods specified in Appendix A, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy, that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

    [40 CFR 61, Subpart M; Chapter 62-257, F.A.C.; and, Rules 62-730.300 and 62-701.520, F.A.C.]

The following general conditions apply to all permits pursuant to Rule 62-4.160, F.A.C.:

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, F.S. 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), F.S., the issuance of this permit does not convey any 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.

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, F.S. Such evidence shall only be used to the extend 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 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.

APPENDIX PC - PERMITTED COUNTIES

The permittee is authorized to operate in the following counties where public notice has been published:

Permitted Counties:	Date of Publication:	Permitted Counties:	Date of Publication:	Permitted Counties:	Date of Publication:
Alachua		Hamilton		Okeechobee	
Baker		Hardee		Orange	
Bay		Hendry	Jan 20, 2001	Osceola	
Bradford		Hernando		Palm Beach	
Brevard		Highlands		Pasco	
Broward		Hillsborough		Pinellas	
Calhoun		Holmes		Polk	
Charlotte	Jan 20, 2001	Indian River		Putnam	
Citrus		Jackson		St. Johns	
Clay		Jefferson		St. Lucie	
Collier	Jan 20, 2001	Lafayette		Santa Rosa	
Columbia		Lake		Sarasota	
Dade		Lee	Jan 20, 2001	Seminole	
DeSoto		Leon		Sumter	
Dixie		Levy		Suwannee	
Duval		Liberty		Taylor	
Escambia		Madison		Union	
Flagler		Manatee		Volusia	
Franklin		Marion		Wakulla	
Gasden		Martin		Walton	
Gilchrist		Monroe		Washington	
Glades	Jan 20, 2001	Nassau			
Gulf		Okaloosa			

SE

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
Mr. Michael Horan, President
Ajax Paving Industries, Inc.
510 Gene Green Road
Nokomis, Florida 34275

A. Received by *(Please Print Clearly)*: L. Fox
B. Date of Delivery: 2-12-01

C. Signature
X [signature]
☐ Agent
☐ Addressee

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number *(Copy from service label)*
7000 0600 0021 2825 2289

PS Form 3811, July 1999 Domestic Return Receipt 102595-99-M-1789

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

Article Sent To:
Mr. Michael Horan, President

Postage	$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

Postmark Here

7000 0600 0021 2825 2289

Name (Please Print Clearly) (to be completed by mailer)
Mr. Michael Horan
Street, Apt. No.; or PO Box No.
510 Gene Green Road
City, State, ZIP+4
Nokomis, Florida 34275

PS Form 3800, July 1999 See Reverse for Instructions

Ajax Paving

FAX TRANSMITTAL PAGE

DATE: 1/31/01

FROM: CFTL

FAX NO.: 1-727-299-0023

TO: Bill Leffler

COMPANY: FDEP Permitting

FAX NO.: 850-922-6979

WE ARE SENDING YOU:

( ) PROPOSAL: _____

( ) REPORT: _____

(X) LETTER: Copy of letter you requested

( ) DRAWING: _____

( ) LITERATURE: _____

( ) SPECIFICATIONS: _____

( ) OTHER: _____

ADDITIONAL COMMENTS: _____

If you did not receive this transmission, please call: (727)572-9797 Tampa Bay Area
(800)248-CFTL Florida

PAGE 1 OF 4

Central Florida Testing Laboratories, Inc.
12625 - 40th Street North, Clearwater, FL 33762

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

August 9, 2000

Mr. Christopher L. Kirts, P.E.
State of Florida
Department of Environmental Protection
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

Subject: APAC of Florida, Inc. – Tampa Division
FDEP File No. 7774805-002-AO
Construction Permit - Response Letter

Dear Mr. Kirts:

I have reviewed your letter addressed to Mr. L.F. Rollins, APAC Florida, Inc., requiring additional information regarding the modification to operation permit application for the above mentioned facility, that was submitted to your office. Please consider the following information in response to this letter:

1) Page 5 of the modification to operation permit indicates a check mark in Category III for Air construction permit to construct or modify one or more emission units within a facility (including any facility classified as a Title V source). Page 6 of the application, reference: Construction/Modification Information, clearly indicates the intention of this application, stating that, This project consists of the modification to this facility's FDEP Operation Permit, to allow this Portable - 250 tph Astec Industries, Inc., Double Drum Mix Asphalt Plant, Model No. RDB350S to burn No. 5 "on-spec" with a 0.5% sulfur limit to be burned by the plants burner system with No. 2 and No. 4 virgin diesel fuel with a 0.5% sulfur fuel being the backup fuel for this plant. The date January – 2001 indicated for completion of this project allows time for your office to complete the necessary construction permit, time for legal advertisement, time for compliance testing of this facility on the No. 5 reclaimed fuel oil and time to complete the operation permit application permit for this facility. Mr. L.F. Rollins and Mr. Luther Ellis have indicated to me that they would like the production rate of this facility to be 300 ton/hr maximum. I have included the revised pages of the modification permit application to reflect the emissions calculations at a 300 tph maximum process rate at this facility.

2) We are aware that the existing FDEP Operation Permit for this facility indicates a production rate of 334 ton/hr. According to productions records this plant hasn't produced asphalt at rates greater than 275 tons per hour.

August 9, 2000

Subject: APAC of Florida, Inc. – Tampa Division
FDEP File No. 7774805-002-AO
Construction Permit - Response Letter

The modification to Operation Permit submitted indicated a 250 tph maximum production rate which was a typo. Mr. L.F. Rollins and Mr. Luther Ellis have indicated that a 300 ton/hr maximum production rate will be sufficient for this facility at this time. Please note as stated on Page 11, B. Facility Regulations, we are aware that this facility does not meet the criteria of the Title V "conditional exemption" in 62-210.300 (3), but is considered "synthetic minor source" and is exempt from Title V permitting in accordance with EPA's definition of a major source of air pollution. as any single pollutant is below the major source pollutant threshold of less 100 ton/yr of any single pollutant and less that 25 ton/year of any Hazardous Air Pollutant. The permitting at these rates has been accepted by the FDEP throughout the state of Florida. For your review, I have listed below, a few sources , source permits and local offices that have accepted the synthetic minor source exemption in lieu of the Title V triggering that you are suggesting.

Source	Permit No.	Local Permitting Office
APAC Florida, Inc. Tampa, FL.	**0570223-005-AF**	**Hillsborough**
Ajax Paving Industries Glades County	**7770060-003-AC**	**FDEP - Tallahassee**
Delta Asphalt Paving Tampa, FL.	**0570076-002-AO**	**Hillsborough**
Overstreet Paving Co. Pinellas County	**1030026-004-AO**	**FDEP - Tampa**
Gator Asphalt / APAC Manatee County	**0810040-003-AO**	**FDEP - Tampa**
Harper / APAC Ft. Myers	**0710187-001-AC**	**FDEP – Ft. Myers**
R.E. Purcell Const. Co. Pasco County	**1010027-004-AO**	**FDEP- Tampa**

Aougust 9, 2000

Subject: APAC of Florida, Inc. – Tampa Division
FDEP File No. 7774805-002-AO
Construction Permit - Response Letter

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

Sincerely,
Central Florida Testing Laboratories, Inc.

Bernard A. Ball, Jr.
Director of Environmental Services
BaB/bAb

Reviewed by:

Mr. George C. Sinn, Jr., P.E.

xc : **APAC of Florida, Inc. - Mr. Luther Ellis**

Central Florida Testing Laboratories, Inc.
Testing Development and Research
12625 - 40th Street North · Clearwater, Florida 33762

PINELLAS / HILLSBOROUGH (813) 572-9797 FLORIDA 1-800-248-CFTL FAX (813) 299-0023

January 25, 2001

Mr. William Lefflers, P.E.
State of Florida
Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Subject: Ajax Paving Industries, Inc.
FDEP File Number 7770060-004-AC
Notice of Intent

Dear Mr. Lefflers:

Attached, please find the affidavit of Public Notice published in the Ft. Myers News Press on January 20th, 2001 for Ajax Paving Industries construction and relocation of their portable asphalt plant in Moore Haven, Glades County, Florida. Sorry for the delay as the newspaper misplaced the ad sent to them in November.

Should you receive any public comment regarding the issuance of the permit for this construction, please inform us as to the nature of the comment(s) so we can resolve any problems that might arise.

Thank you for your cooperation in this matter. Should you have any questions or require any additional information to issue the permit for this facility, do not hesitate to contact our office.

Sincerely,
CENTRAL FLORIDA TESTING LABORATORIES, INC.

Bernard A. Ball Jr.

Bernard A. Ball, Jr.
Director of Environmental Services
BaB/bAb

enclosure: Affidavit of Public Notice

copies to: **Mr. Robert Ray – Ajax Paving Industries, Inc.**
Mr. Michael Horan – Ajax Paving Industries, Inc.

NEWS-PRESS

Published every morning – Daily and Sunday

Fort Myers, Florida

Affidavit of Publication

STATE OF FLORIDA
COUNTY OF LEE

Before the undersigned authority, personally appeared **Kieanna Henry** who on oath says that he/she is the **Asst. Legal Clerk** of the News-Press, a daily newspaper, published at Fort Myers, in Lee County, Florida; that the attached copy of advertisement, being a **notice of intent** in the matter of **DEP Air Construction Permit to Ajax Paving** In the_____Court was published in said newspaper in the issues of **January 20, 2001**

Affiant further says that the said News-Press is a paper of general circulation daily in Lee, Charlotte, Collier, Glades and Hendry Counties and published at Fort Myers, in said Lee County, Florida and that said newspaper has heretofore been continuously published in said Lee County; Florida, each day, and has been entered as a second class mail matter at the post office in Fort Myers in said Lee County, Florida, for a period of one year next preceding the first publication of the attached copy of the advertisement; and affiant further says that he/she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Kieanna Henry

Sworn to and subscribed before me this

22nd day of January, 2001 by

Kieanna Henry
personally known to me or who has produced

_____

as identification, and who did or did not take an oath.

Notary Public Brenda Leighton

Print Name _____

My commission Expires:

Brenda Leighton
MY COMMISSION # CC808905 EXPIRES
February 14, 2003
BONDED THRU TROY FAIN INSURANCE, INC.

PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT
STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Draft Air Construction Permit No. 7770060-004-AC
Ajax Paving Industries, Inc.

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit to Ajax Paving Industries, Inc., for a relocatable drum mixer asphalt plant and crusher. The permittee plans to operate the facility at construction and industrial sites throughout Florida. The facility is a minor source of air pollution. It is subject to New Source Performance Standards, 40 CFR 60, Subparts I and OOO. It is not subject to the Prevention of Significant Deterioration (PSD) regulations, Rule 62-212-400, Florida Administrative Code (F.A.C). A Best Available Control Technology determination was not required for this facility. The applicant's name and address is Ajax Paving Industries, inc., 510 Gene Green Road, Nokomis, Florida 32457-3624. The facility is located at 1740 U.S. Highway 27 South, Moore Haven, Glades County, Florida. The UTM coordinates are: Zone 17; 488.9 km East; and, 2967.9 km North.

The facility has been reviewed for potential operation in all counties of Florida. The facility will emit fugitive particulate matter from the asphalt mixer, the RAP screening operation, on-site traffic, material handling, material piles and a crusher unit; and, will emit the products of combustion from the diesel engines, which power the crusher, and from the oil fired heating system, which heats both the asphalt mixer and the liquid asphalt storage tanks. Control of process unconfined fugitive particulate matter emissions shall be accomplished by wetting the material using water spray bars as needed at unloading, at the RAP screener screen and conveyor transfer points, and at conveyor transfer points; and, non-process unconfined fugitive particulate matter emissions shall be controlled using watering and/or application of some dust suppressant(s) on the haul roads, work-yards and stockpiles. Because of the low emissions estimates aid limited time of operation at any one site; the asphalt plant and its related equipment will not cause or contribute to any violation of an ambient air quality standard or increment.

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 action 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 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, Florida Statutes (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, F.A.C.

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.

Copies of the proposed air 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 Florida Dept. of Environmental Protection, Central District Office, 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803 Telephone: 407/894-7555 Orange County Environmental Protection, Department - Air Program Section, 800 Mercy Drive, Orlando, Florida 32808 Telephone: 4077836-1400 Florida Dept. of Environmental Protection, Northwest District Office, 160 Governmental Center, Pensacola, Florida 32501 Telephone: 850/595-8300 Florida Dept. of Environmental Protection, Northeast District Office, 7825 Baymeadows Way, Suite 200B, Jacksonville, Florida 32256 Telephone: 904/488-4300 Florida Dept. of Environmental Protection, Southwest District Office, 3804 Coconut Palm Drive, Tampa, Florida 33619 Telephone: 813/744-6100 Florida Dept. of Environmental Protection, Southeast District Office, 400 North Congress Avenue, West Palm Beach, Florida 33416 Telephone: 561/681-6755 Florida Dept. of Environmental Protection, South District Office, 2295 Victoria Avenue, Suite 264, Fort Myers, Florida 33902 Telephone: 941/332-6975 Broward County Department of Natural Resource Protection, 218 Southwest First Avenue, Fort Lauderdale, Florida 33301 Telephone: 954/519-1202. Dade County Department of Environmental Resources Management, 33 Southwest Second Avenue, Suite 900, Miami, Florida 33130 Telephone: 305/372-6925 Regulatory and Environmental Services Department, 117 West Duval Street, Suite 225, Jacksonville, Florida 32202 Telephone: 904/630-3484 Hillsborough County Environmental Environmental Protection Commission, 1410 North 21 Street, Tampa, Florida 33605 Telephone: 813/272-5530 Palm Beach County Health Department, 901 Evernia Street, Post Office Box 29, West Palm Beach, Florida 33401 Telephone: 561/355-3070 Pinellas County Department of Environmental Management, 300 South Garden Avenue, Clearwater, Florida 33756 Telephone: 727/464-4422 Sarasota County Natural Resources Department, 1301 Cattleman Road, Building A, Sarasota, Florida 34232 Telephone: 941/378-6128

The complete project file, which includes the application, technical evaluation, Draft air construction permit, and the information submitted by the applicant, 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 William Leffler, P.E., project engineer, at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/921-9522, for additional information.

Jan 20 No. 34704

AFFIDAVIT OF PUBLICATION

NEWS-PRESS
"Serving Southwest Florida Since 1884"

11-29-00
BAB - FYI.
RBR

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 27, 2000

VIA FAX ONLY

Ms. Brenda Leighton
Legal Advertising Desk
The News Press
2442 Dr. Martin Luther King, Jr. Boulevard
Ft. Myers, Florida 33901-3987

This is Faxed to Newspaper
No Action Required
BAB 11/29/00

Subject: Ajax Paving Industries, Inc.
FDEP Notice of Intent – Portable Asphalt Plant

Dear Ms. Leighton:

Please have the attached legal notice published as soon as possible in the area that circulates in the Glades, Lee, Charlotte, Collier and Hendry County circulation area of the News Press. The notice needs to appear for only one (1) day in the newspaper. In addition, the FDEP now requires that all counties in which the ad was published be stated on the proof of publication.

After the legal notice has appeared in the paper, please forward an affidavit for proof of publication for the notice to this office at the following address:

Bernard A. Ball
Central Florida Testing Laboratories, Inc.
12625 – 40th Street North
Clearwater, Florida 33762

The invoice for the legal ad should then be forwarded to:

Mr. Robert Ray
Ajax Paving Industries, Inc.
510 Gene Green Road
Nokomis, Florida 34275-3624
(941) 650-4897

Subject: **Ajax Paving Industries, Inc.**
FDEP Notice of Intent – Portable Asphalt Plant

Thank you for your prompt attention to this request. Please call me at (727) 572-9797 to confirm your receipt of this request.

Sincerely,
CENTRAL FLORIDA TESTING LABORATORIES, INC.

Bernard A. Ball, Jr.
Director of Environmental Services
BaB/bAb

enclosure: **FDEP public notice of intent**

Copy to: **Mr. Robert Ray – Ajax Paving Industries, Inc.**
Mr. William Leffler – FDEP (Tallahassee)

PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Draft Air Construction Permit No. 7770060-004-AC
Ajax Paving Industries, Inc.

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit to Ajax Paving Industries, Inc., for a relocatable drum mixer asphalt plant and crusher. The permittee plans to operate the facility at construction and industrial sites throughout Florida. The facility is a minor source of air pollution. It is subject to New Source Performance Standards, 40 CFR 60, Subparts I and OOO. It is not subject to the Prevention of Significant Deterioration (PSD) regulations, Rule 62-212.400, Florida Administrative Code (F.A.C). A Best Available Control Technology determination was not required for this facility. The applicant's name and address is Ajax Paving Industries, Inc., 510 Gene Green Road, Nokomis, Florida 32457-3624. The facility is located at 1740 U.S. Highway 27 South, Moore Haven, Glades County, Florida. The UTM coordinates are: Zone 17; 488.9 km East; and, 2967.9 km North.

The facility has been reviewed for potential operation in all counties of Florida. The facility will emit fugitive particulate matter from the asphalt mixer, the RAP screening operation, on-site traffic, material handling, material piles and a crusher unit; and, will emit the products of combustion from the diesel engines, which power the crusher, and from the oil fired heating system, which heats both the asphalt mixer and the liquid asphalt storage tanks. Control of process unconfined fugitive particulate matter emissions shall be accomplished by wetting the material using water spray bars as needed at unloading, at the RAP screener screen and conveyor transfer points, and at conveyor transfer points; and, non-process unconfined fugitive particulate matter emissions shall be controlled using watering and/or application of some dust suppressant(s) on the haul roads, work-yards and stockpiles. Because of the low emissions estimates and limited time of operation at any one site, the asphalt plant and its related equipment will not cause or contribute to any violation of an ambient air quality standard or increment.

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 action 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 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, Florida Statutes (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, F.A.C.

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.

Copies of the proposed air 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	Florida Dept. of Environmental Protection Central District Office 3319 Maguire Boulevard, Suite 232 Orlando, Florida 32803 Telephone: 407/894-7555	Orange County Environmental Protection Department - Air Program Section 800 Mercy Drive Orlando, Florida 32808 Telephone: 407/836-1400
Florida Dept. of Environmental Protection Northwest District Office 160 Governmental Center Pensacola, Florida 32501 Telephone: 850/595-8300	Florida Dept. of Environmental Protection Northeast District Office 7825 Baymeadows Way, Suite 200B Jacksonville, Florida 32256 Telephone: 904/448-4300	Florida Dept. of Environmental Protection Southwest District Office 3804 Coconut Palm Drive Tampa, Florida 33619 Telephone: 813/744-6100
Florida Dept. of Environmental Protection Southeast District Office 400 North Congress Avenue West Palm Beach, Florida 33416 Telephone: 561/681-6755	Florida Dept. of Environmental Protection South District Office 2295 Victoria Avenue, Suite 364 Fort Myers, Florida 33902 Telephone: 941/332-6975	Broward County Department of Natural Resource Protection 218 Southwest First Avenue Fort Lauderdale, Florida 33301 Telephone: 954/519-1202
Dade County Department of Environmental Resources Management 33 Southwest Second Avenue Suite 900 Miami, Florida 33130 Telephone: 305/372-6925	Regulatory and Environmental Services Department 117 West Duval Street, Suite 225 Jacksonville, Florida 32202 Telephone: 904/630-3484	Hillsborough County Environmental Protection Commission 1410 North 21 Street Tampa, Florida 33605 Telephone: 813/272-5530
Palm Beach County Health Department 901 Evernia Street Post Office Box 29 West Palm Beach, Florida 33401 Telephone: 561/355-3070	Pinellas County Department of Environmental Management 300 South Garden Avenue Clearwater, Florida 33756 Telephone: 727/464-4422	Sarasota County Natural Resources Department 1301 Cattleman Road, Building A Sarasota, Florida 34232 Telephone: 941/378-6128

The complete project file, which includes the application, technical evaluation, Draft air construction permit, and the information submitted by the applicant, 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 William Leffler, P.E., project engineer, at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/921-9522, for additional information.

State of Florida
Department of Environmental Protection

Memorandum

TO	Clair Fancy
THRU	Bruce Mitchell
FROM	William Leffler, P.E.
DATE	November 16, 2000
SUBJECT	Intent to Issue Package: Ajax Paving Industries, Inc. Relocatable drum mixer asphalt plant and associated equipment Draft permit 7770060-004-AC
Day 90	November 29, 2000

This draft air construction permit is for relocatable drum asphalt batch plant, presently in Moore Haven, Florida. The application history is as follows:

- On August 2, 2000, an application for an Air Operating Permit was received and rejected, because the underlying construction permit had expired. The applicant was given leave to withdraw the application for an operating permit and apply the fees to a new construction permit application.
- On August 31, 2000, an application for an air construction permit was received. The fee previously paid was applied to this application. The clock was reset.
- On October 11, 2000, the applicant requested the addition of a crushing unit not to exceed 200 TPH and 500 hours per calendar year.

The relocatable drum mixer asphalt plant is a minor facility. It will have limited operation except for the asphalt tank heating system. The applicant has requested permission to use "on spec" used oil for heating; and, appropriate permit conditions have been included to limit heavy metals, sulfur and PCB's.

Unconfined fugitive particulate matter emissions from the aggregate handling process and crusher unit will be controlled by a water spray dust suppression system: and, unconfined fugitive non-process particulate emissions from roadways, stockpiles and work-yard, will be controlled by watering and/or application of some effective dust suppressant(s). Process emissions from the dryer/mixer are controlled by a cyclone and baghouse.

I recommend that the attached Intent to Issue an Air Construction Permit be signed.

Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

November 16, 2000

CERTIFIED MAIL - Return Receipt Requested

Mr. Michael Horan, President
Ajax Paving Industries, Inc.
510 Gene Green Road
Nokomis, Florida, 34275-3624

Re: Draft Air Construction Permit No.: 7770060-004-AC
Relocatable Drum Mix Asphalt Plant

Dear Mr. Horan:

Enclosed is one copy of the Draft Air Construction Permit for a relocatable Drum Mix Asphalt Plant, oil heating system, RAP screening operation and provision for use of a crusher unit, and will be based at 1740 U.S. Highway 27 South, Moore Haven, Glades County, Florida. The air construction permit will allow the permittee to advertise in counties, to construct/install the permitted facility, to conduct performance testing, and to support an application for an air operating permit or subsequent air operating permit amendments when relocating notification is received. 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 one time only, as soon as possible, in the legal advertisement section of a newspaper of general circulation in the area in which you propose to set up or operate this facility. The publication must meet the requirements of Chapter 50, Florida Statutes, Proof of publication, i.e., newspaper affidavit, must be provided to the Department's Bureau of Air Regulation office within seven (7) days of publication. Failure to publish the notice and provide proof of publication may result in the denial of the permit. Please do not confuse the "Public Notice" part with the "Intent to Issue" part of this section.

Please note the addition of a specific condition prohibiting the crushing of asbestos containing material. Crushing, grinding, or abrading of asbestos materials is prohibited by state and federal law.

Please submit any written comments you wish to have considered concerning the Department's proposed action to William Leffler, P.E., at the above letterhead address. If you have any other questions, please contact him at 850/921-9522.

Sincerely,

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

CHF/wl
Enclosures

"More Protection, Less Process"

Printed on recycled paper.

In the Matter of an
Application for Permit by:

Ajax Paving Industries, Inc.
510 Gene Green Road
Nokomis, Florida 34275-3624

Draft Air Construction Permit No.: 7770060-004-AC
Relocatable Drum Mix Asphalt Plant and Associated Equipment
Statewide Operation

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, Ajax Paving Industries, Inc., applied to the Department on August 31, 2000, for an air construction permit for a relocatable drum mix asphalt plant and associated equipment to allow the permittee to advertise in counties for the purpose of construction/installation, performance testing, and to support an application for an air operating permit or subsequent air operating permit amendments when relocating notification is received.

Ajax Paving Industries, Inc., maintains its primary Florida office at 510 Gene Green Road, Nokomis, Florida 34275-3624. The relocatable facility will be based at 1740 U.S. Highway 27 South, Moore Haven, Glades County, Florida, at UTM coordinates Zone 17; 488.9 km East; and, 2967.9 km North.

The Department has permitting jurisdiction under the 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 permitting procedures. The Department has determined that an air construction permit is required in order for the relocatable drum mixer asphalt plant to relocate to sites throughout the state by publishing the Public Notice in the counties desired for construction/installation, performance testing, and potential operation.

The Department intends to issue this air construction permit based on the belief that reasonable assurances have been provided to indicate that operation of this facility will not adversely impact air quality, and the facility 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 62-110.106(7)(a)1., 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 in the legal advertisement section of a newspaper of general circulation in the area affected. Rule 62-110.106(7)(b), F.A.C., requires that the applicant cause the notice to be published as soon as possible after notification by the Department of its intended action. 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. 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: 850/488-0114; Fax 850/ 922-6979). You must provide proof of publication within seven days of publication, pursuant to Rule 62-110.106(5), F.A.C. No permitting action for which published notice is required shall be granted until proof of publication of notice is made by furnishing a uniform affidavit in substantially the form prescribed in Section 50.051, F.S., to the office of the Department issuing the permit. Failure to publish the notice and provide proof of publication may result in the denial of the permit pursuant to Rules 62-110.106(9) & (11), F.A.C.

The Department will issue the Final permit with the attached conditions 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 permit issuance action for a period of fourteen days from the date of publication of the "Public Notice of Intent to Issue Air Construction Permit." Written comments should be provided to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, FL 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the Draft permit 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., before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under 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 at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, FL 32399-3000. 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 Department 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 Department'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 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 Department'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 Department's final action may be different from the position taken by it in this notice. 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.

Mediation is not available in this proceeding.

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, or electronic mail (as noted) before the close of business on 11/16/00 to the person(s) listed:

Michael Horan *, President, Ajax Paving Industries, Inc., 510 Gene Green Road, Nokomis, FL 34275
Bernard Ball Jr., Central Florida Testing Laboratories, Inc., 12625 40th Street, Clearwater, FL 33762
Len Kozlov, DEP, Central District
Chris Kirts, DEP, Northeast District
Sandra Veazey, DEP, Northwest District
Bill Thomas, DEP, Southwest District
Ron Blackburn, DEP, South District
Isidore Goldman, DEP, Southeast District
Daniela Banu, Broward County Department of Natural Resource Protection
H. Patrick Wong, Dade County Department of Environmental Resources Management
Richard Robinson, Regulatory and Environmental Services Department
Jerry Campbell, Hillsborough County Environmental Protection Commission
James E. Stormer, Palm Beach County Health Department
Peter Hessling, Pinellas County Department of Environmental Management
Kent Kimes, Sarasota County Natural Resources Department
Marie Driscoll, Orange County Environmental Protection Department

Clerk Stamp

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

Barbara J. Friday 11/16/00
(Clerk) (Date)

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Michael Horan, President
Ajax Paving Industries, Inc.
510 Gene Green Road
Nokomis, Florida 34275-3624

2. Article Number (Copy from service label)
7099 3400 0000 1449 2914

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) Rachelle Gudeman B. Date of Delivery 11-20

C. Signature
X Rachelle Gudeman ☐ Agent ☐ Addressee

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PS Form 3811, July 1999 Domestic Return Receipt 102595-99-M-1789

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Article Sent To:
Mr. Michael Horan, President

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Name (Please Print Clearly) (to be completed by mailer)
Mr. Michael Horan, President
Street, Apt. No.; or PO Box No.
510 Gene Green Road
City, State, ZIP+4
Nokomis, Florida 34275-3624

PS Form 3800, July 1999 See Reverse for Instructions

7099 3400 0000 1449 2914

PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Draft Air Construction Permit No. 7770060-004-AC
Ajax Paving Industries, Inc.

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit to Ajax Paving Industries, Inc., for a relocatable drum mixer asphalt plant and crusher. The permittee plans to operate the facility at construction and industrial sites throughout Florida. The facility is a minor source of air pollution. It is subject to New Source Performance Standards, 40 CFR 60, Subparts I and OOO. It is not subject to the Prevention of Significant Deterioration (PSD) regulations, Rule 62-212.400, Florida Administrative Code (F.A.C). A Best Available Control Technology determination was not required for this facility. The applicant's name and address is Ajax Paving Industries, Inc., 510 Gene Green Road, Nokomis, Florida 32457-3624. The facility is located at 1740 U.S. Highway 27 South, Moore Haven, Glades County, Florida. The UTM coordinates are: Zone 17; 488.9 km East; and, 2967.9 km North.

The facility has been reviewed for potential operation in all counties of Florida. The facility will emit fugitive particulate matter from the asphalt mixer, the RAP screening operation, on-site traffic, material handling, material piles and a crusher unit; and, will emit the products of combustion from the diesel engines, which power the crusher, and from the oil fired heating system, which heats both the asphalt mixer and the liquid asphalt storage tanks. Control of process unconfined fugitive particulate matter emissions shall be accomplished by wetting the material using water spray bars as needed at unloading, at the RAP screener screen and conveyor transfer points, and at conveyor transfer points; and, non-process unconfined fugitive particulate matter emissions shall be controlled using watering and/or application of some dust suppressant(s) on the haul roads, work-yards and stockpiles. Because of the low emissions estimates and limited time of operation at any one site, the asphalt plant and its related equipment will not cause or contribute to any violation of an ambient air quality standard or increment.

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 action 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 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, Florida Statutes (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, F.A.C.

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.

Copies of the proposed air 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	Florida Dept. of Environmental Protection Central District Office 3319 Maguire Boulevard, Suite 232 Orlando, Florida 32803 Telephone: 407/894-7555	Orange County Environmental Protection Department - Air Program Section 800 Mercy Drive Orlando, Florida 32808 Telephone: 407/836-1400
Florida Dept. of Environmental Protection Northwest District Office 160 Governmental Center Pensacola, Florida 32501 Telephone: 850/595-8300	Florida Dept. of Environmental Protection Northeast District Office 7825 Baymeadows Way, Suite 200B Jacksonville, Florida 32256 Telephone: 904/448-4300	Florida Dept. of Environmental Protection Southwest District Office 3804 Coconut Palm Drive Tampa, Florida 33619 Telephone: 813/744-6100
Florida Dept. of Environmental Protection Southeast District Office 400 North Congress Avenue West Palm Beach, Florida 33416 Telephone: 561/681-6755	Florida Dept. of Environmental Protection South District Office 2295 Victoria Avenue, Suite 364 Fort Myers, Florida 33902 Telephone: 941/332-6975	Broward County Department of Natural Resource Protection 218 Southwest First Avenue Fort Lauderdale, Florida 33301 Telephone: 954/519-1202
Dade County Department of Environmental Resources Management 33 Southwest Second Avenue Suite 900 Miami, Florida 33130 Telephone: 305/372-6925	Regulatory and Environmental Services Department 117 West Duval Street, Suite 225 Jacksonville, Florida 32202 Telephone: 904/630-3484	Hillsborough County Environmental Protection Commission 1410 North 21 Street Tampa, Florida 33605 Telephone: 813/272-5530
Palm Beach County Health Department 901 Evernia Street Post Office Box 29 West Palm Beach, Florida 33401 Telephone: 561/355-3070	Pinellas County Department of Environmental Management 300 South Garden Avenue Clearwater, Florida 33756 Telephone: 727/464-4422	Sarasota County Natural Resources Department 1301 Cattleman Road, Building A Sarasota, Florida 34232 Telephone: 941/378-6128

The complete project file, which includes the application, technical evaluation, Draft air construction permit, and the information submitted by the applicant, 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 William Leffler, P.E., project engineer, at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/921-9522, for additional information.

TECHNICAL EVALUATION

AND

PRELIMINARY DETERMINATION

Ajax Paving Industries, Inc.

Relocatable Drum Mix Asphalt Plant and Crusher Unit
State Wide Operation

Air Construction Permit No.: 7770060-004-AC
Facility ID No.: 7770060

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

1. APPLICATION INFORMATION

1.1 *Applicant's Name and Address*

Mr. Michael Horan, President
Ajax Paving Industries, Inc.
510 Gene Green Road
Nokomis, Florida 34275

1.2 Reviewing and Processing Schedule

August 31, 2000: Date of Receipt of Complete Application.

October 11, 2000: Fax received requesting addition of a crusher unit.

2. FACILITY INFORMATION

2.1 Relocatable drum mix asphalt plant operating throughout Florida.

Ajax Paving Industries, Inc., plans to operate a 250 TPH drum mix asphalt plant, manufactured by Bitumina Construction & Engineering Company (BCE), at construction and industrial sites in Florida. Major components of the asphalt plant are a primary dry cyclone separator on the mixer drum, which is vented to a BCE Model 400 baghouse system.

A Gentec/Hy-way Model HGYO 200 oil heating system rated at 2.0 MMBtu/hr, firing new No. 2 diesel fuel, will operate continuously. The oil heating system operated at full heat for plant operation and at a standby (lower heat) level for maintaining fuel and asphalt cement in a molten state when the plant is not in production.

A BCE Vibrating Screener is used to grade reclaimed asphalt paving, which is crushed or chipped off site, and will operate not more than 4000 hours per calendar year. There are additional conveyors and hoppers. Water sprays will be used to control unconfined particulate emissions as needed.

2.2 Crusher unit to operate at same site as this facility

A crusher unit will be used to process Recycled Asphalt Pavement (RAP). It will be limited to 200 TPH throughput and 500 hours per calendar year operation.

2.3 Standard Industrial Classification Code (SIC)

Major Group No.	29	Petroleum Refining and Related Industries
Group No.	2951	Asphalt Paving Mixtures and Blocks

2.4 Facility Category

The asphalt plant emits particulate matter from the handling of asphalt material and the normal products of combustion from the diesel fuel burned in the asphalt plant and fuel oil used for heating the asphalt mix and asphalt cement.

The asphalt plant is classified as a synthetic minor air pollutant emitting facility. Air pollutant emissions are less than 100 TPY of any single criteria air pollutant, less than 10 TPY of any single HAP, and less than 25 TPY of all HAPs combined. This facility is not on the list of the 28 Major Facility Categories, Table 62-212.400-1. The facility is classified as a synthetic minor source due to permit restrictions taken for throughput and hours of operation.

3. PROJECT DESCRIPTION

3.1 This permit addresses the following emissions units/points/activities:

NO.	SYSTEM	DESCRIPTION
001	Drum Mix Asphalt Plant	250 TPH Bitumina Construction & Engineering Company (BCE) Drum Mix Asphalt Plant with cyclone and baghouse (4000 hrs/calendar year limit) (Subject to 40 CFR 60, Subpart I)
002	Gentec/Hi-Way Oil Heating System	Model HGYO oil heating system to heat asphalt cement in storage tanks (will fire new No. 2 Diesel Fuel) (8760 hrs/calendar year limit)
003	RAP Vibrating Screener	Bitumina Model RAP 100 Vibrating Screener to scalp and classify Recycled Asphalt Pavement (RAP) for use as aggregate in hot mix asphaltic concrete (Capacity 90 TPH) (4000 hrs/calendar year limit)
004	Unconfined emissions from paved and unpaved roads	Unconfined PM emissions to be controlled by housekeeping and water sprinkling (subject to Rule 62-296.310(3)(b)c.2., F.A.C.)
005	Unconfined emissions from stockpiles and conveyor drop points	Unconfined PM emissions to be controlled by housekeeping and water sprinkling (subject to Rule 62-296.310(3)(b)c.2., F.A.C.)
006	Crusher Unit	Crusher unit provided by owner or contractor. Throughput limited to 200 tons per hour and 500 hrs/per calendar year. (Subject to 40CFR60, Subpart OOO)

4. PROCESS DESCRIPTION

4.1 General Information

- The Bituma Construction and Engineering Company (BCE) Drum Mix Asphalt Plant is rated at 250 tons per hour. The burner for heating the aggregate and asphaltic concrete is rated at 110 MMBTU. It will burn approximately 750 gallons per hour of either "on spec" used No. 5 oil or new No. 2 diesel. The applicant has applied for an annual operating limit of 4000 hours per calendar year. The exhaust from the drum mixer passes through a dry cyclone for the removal of larger particulate matter and a baghouse for the removal of 99.9% of the remaining particulate matter from the mixer and its burner.

- A 2.00 MMBTU heater is used to maintain the asphalt cement and heavy fuel oil in a molten state. Full heat is limited to 4000 hours per calendar year; but, it will be allowed to operate on standby 8760 hours per calendar year.
- A 90 TPH vibrating screen will be used to scalp and classify RAP aggregate when RAP is specified in the mix. Its use is limited to 4000 hours per calendar year.
- A crusher unit will be used on site to process RAP. Operation is limited to 200 TPH and 500 hours per calendar year.
- Water spray bars are to be used at conveyor drop points and on the classifier screens to prevent loss of unconfined dust.
- There will be dust and fine aggregate unconfined particulate emission from the stockpiles, material handling equipment and roadways within the site. These sources will be controlled by housekeeping and water spray.

5. RULE APPLICABILITY

The proposed project is subject to pre-construction review requirements under the provisions of Chapter 403, Florida Statutes, and Chapters 62-4, 62-204, 62-210, and 62-212, 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 facility.

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 asphalt plant and associated equipment are subject to 40 CFR 60, Subpart I, Standards of Performance for Hot Mix Asphalt Facilities; 40 CFR 60, Subpart OOO, Standards of Performance for Non-metallic Mineral Processing Plants; and, Rule 62-296.704, F.A.C., Asphalt Concrete Plants. The potential emissions are limited by a requested restriction on the allowable hours of operation as well as the use of a baghouse system, which controls particulate matter emissions. Annual tests are required to determine compliance with visible emissions and particulate matter standards.

The facility shall be in compliance with all applicable provisions of the Florida Administrative Code and, specifically, the following Chapters and Rules:

Chapter 62-4	Permits
Rule 62-4.070(3)	Special Conditions Necessary Reasonable Assurance of Compliance with Department Rules
Rule 62-4.160(14)(a)	Records Retention
Rule 62-204.340	Designation of Attainment, Nonattainment & Maintenance Areas
Rule 62-204.800	Federal Regulations Adopted by Reference
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 62-296.320	General Pollutant Emission Limiting Standards
Rule 62-296.320(b)	General Visible Emissions Standard
Rule 62-296.320(c)	Unconfined Emissions of Particulate Matter
Rule 62-296.704	Asphalt Concrete Plants
Rule 62-297.310	General Test Requirements
Rule 62-297.310(4)	Applicable Test Procedures
Rule 62-297.310(7)(a)	Frequency of Compliance Tests: General Compliance Testing
Rules 62-297.310(8)(b)&(c)	Test Reports
Rule 62-297.400	EPA Methods Adopted by Reference
Rule 62-297.401	EPA Test Procedures
Rule 62-297.700	RACT Control Technology for Particulate Matter
40 CFR 60.7	Notification and Recordkeeping
40 CFR 60.8	Performance Test
40 CFR 60,11	Compliance Standards and Maintenance Requirements
40 CFR 60.12	Circumvention
40 CFR 60.19	General Notification and Reporting
40 CFR 60, Subpart I	NSPS Standards for Hot Mix Asphalt Facilities
40 CFR 60, Subpart OOO	Nonmetallic Mineral Processing (applies to crusher)
40 CFR 269.61	Standards for the Management of Used Oil
40 CFR 761	Polychlorinated Biphyenyls Manufacture, distribution and use; etc.
HCEPC Rule 1-3.61	Hillsborough County EPC (Particulate Maintenance Area)

The maximum allowable visible emissions limits for the various emission points/activities are:

EMISSIONS POINT/ACTIVITY	DESCRIPTION	MAXIMUM VISIBLE EMISSIONS (% OPACITY)	MAXIMUM VISIBLE EMISSIONS (% OPACITY) AIR QUALITY MAINTENANCE AREA*
001	250 TPH BCE relocatable drum mix asphalt plant	**20** per 40CFR60, Subpart I	**<5**
002	GENTEC Hi-Way Oil Heating System 2MM BTU (fuel analysis standard)		
003	BCE Reclaimed Asphalt Screener 90 TPH	**20** per 40CFR60, Subpart I	**<5**
004	Fugitive Emissions from Paved and Unpaved Roads (work-practice standard)		
005	Fugitive Emissions from Conveyors and Stockpiles (work-practice standard)		
006	Crusher unit limited to 200 TPH and 500 hours per calendar year	**≤15** per 40CFR60, Subpart OOO	**<5**

* Hillsborough County (HCEPC Rule 1-3.61)

6. FUEL SPECIFICATIONS

6.1 Use of 'On Spec' Used Oil as Fuel for Asphalt Mixer

a. On-specification Used Oil Emissions Limitations: The drum mixer is permitted to burn "on-specification" used oil, which contains a PCB concentration of less than 50 ppm. "On-specification" used oil is defined as used oil that meets the specifications of 40 CFR 279, Standards for the Management of Used Oil, listed below. "Off-specification" used oil shall not be burned. Used oil which fails to comply with any of these specification levels is considered "off-specification" used oil.

CONSTITUENT/ PROPERTY	ALLOWABLE LEVEL
Arsenic	5 ppm maximum
Cadmium	2 ppm maximum
Chromium	10 ppm maximum
Lead	100 ppm maximum
Total Halogens	1000 ppm maximum
Flash point	100 degrees F minimum

b. Quantity Limited: The maximum quantity of used oil that may be burned by the asphalt plant is 3.0 million gallons in any consecutive 12-month period.

c. PCB Limitation: Used oil containing a PCB concentration of 50 or more ppm shall not be burned at this facility. Used oil shall not be blended to meet this requirement.

d. Operational Requirements: On-specification used oil with a PCB concentration of 2 ppm to less than 50 ppm shall be burned only at normal source operating temperatures. On-specification used oil with a PCB concentration of 2 ppm to less than 50 ppm shall not be burned during periods of startup or shutdown.

The description of the used oil management activities shall be submitted to the Administrator, Hazardous Waste Regulation Section, Florida Department of Environmental Protection, 2600 Blair Stone Road, Tallahassee, FL 32399-2400.

[40 CFR 279.61 and 761.20(e)]

Used Oil Certification Required: The owner or operator shall receive from the marketer, for each load of used oil received, a certification that the used oil meets the specifications for on-specification used oil and contains a PCB concentration of less than 50 ppm. This certification shall also describe the basis for the certification, such as analytical results.

Used oil to be burned for energy recovery is presumed to contain quantifiable levels (2 ppm) of PCB, unless the marketer obtains analyses (testing) or other information that the used oil does not contain quantifiable levels of PCB's.

[40 CFR 761.20]

Used Oil Testing Required:

a. The owner or operator shall test for: arsenic, cadmium, chromium, lead, total halogens, flash point, PCB's, and percent sulfur content by weight, ash, and BTU value (BTU per gallon).

b. Testing (sampling, extraction and analysis) shall be performed using approved methods specified in EPA Publication SW-846 (Test Methods for Evaluating Solid Waste, Physical/Chemical Methods).

[Rule 62-4.070(3), F.A.C.; and, 40 CFR 279 and 40 CFR 761]

6.2 Fuel for Asphalt Heater and Internal Combustion Engines

The asphalt heating units and the diesel engines on the crusher or any portable electric generators shall burn only new No. 2 diesel fuel, or better.

7. SOURCE IMPACT ANALYSIS

7.1 Emission Limitations

The proposed relocatable drum mix asphalt plant and crusher unit will emit the following PSD pollutants: particulate matter, sulfur dioxide, nitrogen oxides, volatile organic compounds, and carbon monoxide. Since used oil will be burned by the facility, arsenic, cadmium, chromium, lead, and halogens emissions are limited by a limitation on fuel constituents and usage. A fuel analysis will be required. The requirement that used oil for the aggregate dryer be "on spec" grades and the limitation of operating hours on this plant, coupled with the use of a cyclone/baghouse pollution control devices on the mixer-dryer, provide reasonable assurance that operation will comply with the federal regulations governing used oil usage (40 CFR 379.61 and 40 CFR 761.20) and the

emissions of the heavy metals (arsenic, cadmium, chromium and lead) will not exceed regulatory thresholds.

7.2 Emission Summary

The facility is a minor source for all criteria and hazardous air pollutants. The following are the combined estimated pollutant emissions, which are based on 4,000 hours per calendar year of operation for the asphalt plant, 500 hours per calendar year for the crusher, and 8,760 hours per calendar year of operation for the hot oil heating system. In addition, particulate matter emissions include estimates for fugitive emissions at the site.

7.3 Emission Estimates

The emissions estimates in lbs/hr and TPY are as follows:

EMISSION POINT/ACTIVITY	Particulate As TSP**	SOx	NOx	CO	TOC
001 drum mixer	10	14	18.75	9	17.25
002 heating system	0.02	1.42	0.2	0.22	0.003
003 vibrating screen *	0.44				
004 roadway losses *					
005 stockpile losses *	2.03				
006 crusher *	4.04	1.0	15,21	3.28	1.24
Total pounds per hour	**16.53**	**16.42**	**54.95**	**12.5**	**18.493**

EMISSION POINT/ACTIVITY	Particulate As TSP**	SOx	NOx	CO	TOC
001 drum mixer 4000 hrs/calendar year)	20	28	37.5	18	34.5
002 heating system 4000 hrs/calendar year, (plus standby)	0.008	6.22	0.88	0.22	0.013
003 vibrating screen *4000 hrs/calendar year	0.90				
004 roadway losses *	3.28				
005 stockpile losses *	0.41				
006 crusher *500 hrs/calendar year	6	0.25	3.45	0.82	0.31
Total TPY	**30.598**	**34.47**	**41.83**	**19.04**	**34.823**

* presumes water spray dust suppression in use

** TSP (total suspended particulate) includes PM_{10}: for combustion sources (all is presumed to be PM_{10}); and, for material handling sources (about half is PM_{10})

Note: These estimates have been reviewed and appear reasonable with respect to the U.S.EPA *Compilation of Air Pollutant Emission Factors*, AP-42 (5th edition) emission factors.

7.4 Control Technology Review

Particulate emissions from the drum mix asphalt plant, arising from the heating and mixing of aggregate, and the application of the asphalt cement are separated by a dry cyclone and BCE Model 400 baghouse control system operating in tandem. This combination of control technology represents the current state of generally available controls for particulate matter from the asphalt mixer/dryer and its burner. The low operating temperature of the baghouse further assures capture of the metallic constituents in the 'on spec' used oil. Sulfur emissions are limited by fuel specifications. Nitrogen oxide and total hydrocarbon emissions are not directly regulated by permit, but have been minimized by design factors, including burner design and dryer baffling. Particulate emissions from the crusher unit, material piles and site traffic are subject to specific visual emission standards as well as specific work practices, including water spray dust suppression, to minimize emissions.

In addition to the limitations on fuel quality, the applicant has requested a limit of 4000 hours per calendar year on the operation for the asphalt drum mixer and heater. The oil heating system will operate continuously, at a standby level, to keep asphalt cement molten in tanks. The applicant has requested a 500 hours per calendar year operating limit on the crusher unit.

The asphalt tank and fuel oil heating system and the diesel engines on the crusher and its portable generators will emit products of combustion. Compliance with fuel quality limits and restrictions operating hours will limit emissions from these units.

The vibrating screener, conveyors, hoppers, and the portable crushing operation are sources of unconfined process particulate matter emissions. These emissions will be controlled by a water spray dust suppression system.

Wetting the material being processed, as well as the storage piles and yard/roads, shall the unconfined particulate emissions, when needed.

Aggregate storage operations may result in unconfined particulate emissions. These emissions will be controlled by the use of area sprinklers or other dust suppressant systems.

7.5 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.

8. 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 permit are met. The General and Specific Conditions are listed in the attached permit.

15 AUG 2008

William Zefiler, P.E.
Permit Engineer:

Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

P.E. Certification Statement

Ajax Paving Industries, Inc.	**DEP File No.:** 7770060-004-AC
1740 U.S. Highway 27, South Moore Haven, Florida 33471	**Facility ID No.:** 7770060

Project: Relocatable Drum Mixer Asphalt Plant and Associated Equipment

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, 62-204, 62-210, 62-296 and 62-297, and analogous federal regulations, with the following exception:

The co-location of this relocatable drum mix asphalt plant, oil heating system and RAP screening operation on another site with another stationary or relocatable air pollution source may cause emissions from such a site to exceed the 100 tons per year threshold of Title V of the Clean Air Act. It will be incumbent upon the permittee to coordinate with permitting authorities to avoid excessive emission contributions on a site otherwise classified as a minor facility.

I have not evaluated, nor do I certify the compliance of this facility regarding any application beyond the scope of my discipline and training in air quality engineering (expressly excluding, but not limited to the electrical, mechanical, structural, personnel safety, hydrological, and geological features).

W. Leffler — 15 November 2000

William Leffler, P.E. — Date
Registration Number: FLPE 41972

Permitting Authority:
Florida Department of Environmental Protection
Division of Air Resources Management, Bureau of Air Regulation
2600 Blair Stone Road, Mail Station #5505
Tallahassee, Florida 32399-2400

Telephone: 850/921-9522
Fax: 850/922-6979

Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

PERMITTEE

Ajax Paving Industries, Inc.
510 Gene Green Road
Nokomis, Florida 34275

FID No.: 7770060
Permit No.: 7770060-004-AC
SIC No.: 2951
Expires: November16, 2005

AUTHORIZED REPRESENTATIVE

Mr. Michael Horan, President

PROJECT

This permit allows the applicant to construct a drum mix asphalt plant, which will include a crusher unit operation.

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).

APPENDICES

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-DESCRIPTION AND INFORMATION

FACILITY DESCRIPTION

Ajax Paving Industries, Inc., plans to operate a 250 TPH Bitumina Construction & Engineering Company (BCE) drum mix asphalt plant at sites in Florida. Major components of the asphalt plant are a primary dry cyclone separator, BCE Model 400 baghouse system, Gentec/Hy-Way Model HGYO 200 oil heating system rated at 2.0 MMBTU/hr, BCE Reclaimed Asphalt Vibrating Screener, crusher, conveyors, hoppers, and stockpiles.

The asphalt plant burner is fired using No. 5 used fuel oil with a 0.5% sulfur limit, by weight. No. 2 virgin diesel fuel oil with a sulfur limit of 0.5%, by weight, can be used as an alternate fuel. The liquid asphalt heating system is fired with No. 2 virgin diesel fuel oil having a maximum sulfur limit of 0.5%, by weight.

The mechanical aspects of the asphalt plant and the vibrating screener are run by electric motors using commercial grid power. The crushing unit is a 200 tons per hour capacity, and will be limited to 500 hours per calendar year. The crusher may be provided by the owner or a contractor and shall operate under this permit while on site with this asphalt plant.

Water sprays will be used to control fugitive particulate matter emissions from stockpiles and unpaved roads as needed.

REGULATORY CLASSIFICATION

This facility is subject to regulation under 40 CFR 60, Subpart I, Standards of Performance for Hot Mix Asphalt Facilities; and 40 CFR 60 Subpart OOO, Standards of Performance for Non-metallic Mineral Processing Plants; and, Rule 62-296.704, F.A.C., Asphalt Concrete Plants. The oil heating system portion of the facility is regulated under Rule 62-210.300, F.A.C., 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.

Air Construction Permit, 7770060-003-AC, expired May 31, 2000
Application for Air Operating Permit, 7770060-004-AO, received August 3, 2000 (withdrawn)
Application for Air Construction Permit, 7770060-004-AC, received August 31, 2000
Letter requesting inclusion of a crusher received October 16, 2000

PERMITTED COUNTIES

Please see Appendix PC – Permitted Counties for a list of counties in which the facility is currently permitted to operate.

OPERATING LOCATION

The facility will begin initial operation at 1740 U.S. 27 South, Moore Haven, Glades County, Florida. The UTM coordinates of this location are Zone 17; 488.9 km E; and, 2967.9 km N.

SECTION III. FACILITY WIDE 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: In addition to the specific conditions of this permit, the owner and operator are subject to and shall operate under the General Permit Conditions G.1 through G.15, contained in the attached Appendix GC – General Permit Conditions 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 five years from date of issue. 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. Notification of Intent to Relocate:
An air permit for a relocatable facility shall be amended upon each change of location of the facility. The owner or operator of the facility must submit a Notification of Intent to Relocate Air Pollutant Emitting Facility [DEP Form No. 62-210.900(6)] to the Department's District office and/or, if appropriate, the local program office, at least seven (7) days prior to the change, if the facility would be relocated to a county in which public notice of the proposed operation of the facility had been given within the previous five years pursuant to Rule 62-210.350(1), F.A.C., or otherwise thirty (30) days prior to the change. A separate form shall be submitted for each facility in the case of the relocation of multiple facilities which are jointly owned or operated.

   The notification shall be submitted to the Department's District office and any approved local program office using DEP Form No. 62-210.900(6), along with the appropriate processing fee, and a USGS topographic map showing all potential sites in such county.
[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 for testing purposes in order to determine compliance with Department rules. An operation permit is required for continued commercial 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. A copy of the compliance test results must be submitted to The Department's Tallahassee office as well as the district office or local program, which has compliance jurisdiction over the location where the test took place.
[Rules 62-4.030, 62-4.050, 62-4.220 and 62-210.300(2), F.A.C.]

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.; Chapters 62-4, 62-204, 62-210, 62-296, and 62-297, F.A.C.; and, the Code of Federal Regulations Title 40, Parts 60 and 61, adopted by reference in the Florida Administrative Code. 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 operation shall be 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 shall be watered on a regular basis by water trucks 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 8/31/2000]

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. [Note: Nothing was deemed necessary at the time of issuance.]

(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.]

[Rules 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.]

REPORTING AND RECORDKEEPING REQUIREMENTS

15. Annual Operating Report for Air Pollutant Emitting Facility: The Annual Operating Report for Air Pollutant Emitting Facility (DEP Form 62-210.900(5)) shall be completed each year for facilities with the potential to emit ten (10) tons per year or more of volatile organic compounds or twenty-five (25) tons per year or more of nitrogen oxides and located in an ozone nonattainment area or ozone air quality maintenance area. Therefore, the form Annual Operating Report for Air Pollutant Emitting Facility (DEP Form No. 62-210.900(5)) shall be completed for each year that the facility exceeds 1,175 hours of operation in any one of the following counties: Broward, Dade, Duval, Hillsborough, Orange, Palm Beach, or Pinellas. The form shall be submitted to the Department's district office or local program which has permitting/compliance jurisdiction over the facility, by March 1 of the following year.
[Rule 62-210.370(3)(a),F.A.C.]

The following specific conditions apply to the following emissions points/activities after construction:

EMISSIONS POINT/ACTIVITY	DESCRIPTION
001	250 TPH BCE relocatable drum mix asphalt plant
002	GENTEC Hi-Way Oil Heating System 2MM BTU
003	BCE Reclaimed Asphalt Screener 90 TPH
004	Fugitive Emissions from Paved and Unpaved Roads
005	Fugitive Emissions from Conveyors and Stockpiles
006	Crusher Unit

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

1. Hours of Operation: The asphalt plant, with the exception of the oil heating system, is allowed to operate for 4,000 hours per calendar year. The oil heating system is allowed to operate continuously (8760 hours per calendar year). The crusher unit is allowed to operate 500 hours per calendar year. **[Rule 62-210.200, F.A.C., Definitions-potential to emit (PTE); and, applicant request]**

2. Permitted Capacity: The asphalt plant is allowed to process up to 250 TPH and up to 1,000,000 tons per calendar year of asphaltic concrete hot mix (total). The crusher may process 200 TPH of RAP or other aggregate (100,000 tons per calendar year.)
[Rule 62-210.200, F.A.C., Definitions-potential to emit (PTE); and, applicant request]

3. Fuel Limitation: The asphalt plant is allowed to burn a maximum of 3.0 million gallons of fuel oil during any consecutive 12-month period. The asphalt plant is allowed to burn either on-specification used fuel oil or No. 2 virgin diesel fuel oil. Used oil shall not be burned during periods of startup or shutdown. The oil heating system and any internal combustion engines shall burn only new No. 2 diesel fuel oil, or better.

EMISSION LIMITATIONS AND PERFORMANCE STANDARDS

4. Particulate Matter: Particulate matter emissions from the hot mix drum stack shall not exceed 90 mg/dscm (0.04 grains/dscf).
[40 CFR 60.92; and, Rule 62-296.704 F.A.C.]

5. Visible Emissions: Visible air quality emissions from the hot mix drum stack and any screening operation shall not exceed 20 percent opacity. Visible emissions from the crusher unit that uses no capture system shall not exceed 15 percent opacity. The exception is when operating within a particulate matter maintenance area. More stringent visible emissions standards apply in air quality maintenance areas. When subject to both limits, the more stringent limit takes precedence.
[40 CFR 60.92; and Rule 62-296.704, F.A.C.]
In Hillsborough County: The following area is designated maintenance for particulate matter:
That portion of Hillsborough County which falls within the area of the circle having a centerpoint at the intersection of U. S. 41 South and State Road 60 and a radius of 12 kilometers.

Note: When operating in Hillsborough County, the permittee shall not cause, permit, or allow any visible emissions (five percent opacity). This includes, but is not limited to any receiving hopper, crusher, screener, mixer, heater, belt conveyor and truck loading/unloading.

6. Fuel Sulfur Limit Fuel oil burned, whether new of used, at this facility shall not contain more than 0.5 percent sulfur, by weight.

7. 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.]

8. 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:
   - Unconfined fugitive particulate matter emissions that might be generated from various emission points throughout the crushing operation shall be controlled by a water suppression system with spray bars located at the various emissions points of the operation including, but not limited to, the Grizzly feeder, the entrance and exit of the impact crusher, the classifier screens and conveyor drop points.
   - All stockpiles, roadways and work-yard, where this crushing operation is located, shall apply water (by water trucks equipped with spray bars) and/or an effective dust suppressant(s) on a regular basis to control any unconfined fugitive particulate matter 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, application received 8/31/2000 and applicant's letter received 10/13/2000]

USED OIL LIMITATIONS

9. Used Oil. Burning of on-specification used oil is allowed in this emissions unit in accordance with all other conditions of this permit and the following conditions:

   a. On-specification Used Oil Emissions Limitations: This emissions unit is permitted to burn "on-specification" used oil, which contains a PCB concentration of less than 50 ppm. "On-specification" used oil is defined as used oil that meets the specifications of 40 CFR 279 - Standards for the Management of Used Oil, listed below. "Off-specification" used oil shall not

be burned. Used oil which fails to comply with any of these specification levels is considered "off-specification" used oil.

CONSTITUENT/PROPERTY	ALLOWABLE LEVEL
Arsenic	5 ppm maximum
Cadmium	2 ppm maximum
Chromium	10 ppm maximum
Lead	100 ppm maximum
Total Halogens	1000 ppm maximum
Flash point	100 degrees F minimum

b. Quantity Limited: The maximum quantity of used oil that may be burned by the asphalt plant is 3.0 million gallons in any consecutive 12-month period.
c. PCB Limitation: Used oil containing a PCB concentration of 50 or more ppm shall not be burned at this facility. Used oil shall not be blended to meet this requirement.
d. Operational Requirements: On-specification used oil with a PCB concentration of 2 to less than 50 ppm shall be burned only at normal source operating temperatures. On-specification used oil with a PCB concentration of 2 to less than 50 ppm shall not be burned during periods of startup or shutdown. Before accepting from each marketer the first shipment of on-specification used oil with a PCB concentration of 2 to less than 50 ppm, the owner or operator shall provide each marketer with a one-time written and signed notice certifying that the owner or operator will burn the used oil in a qualified combustion device and must identify the class of combustion device. The notice must state that EPA or a RCRA-delegated state agency has been given a description of the used oil management activities at the facility and that an industrial boiler or furnace will be used to burn the used oil with a PCB concentration of 2 to 49 ppm. The description of the used oil management activities shall be submitted to the Administrator, Hazardous Waste Regulation Section, Florida Department of Environmental Protection, 2600 Blair Stone Road, Tallahassee, FL 32399-2400.

[40 CFR 279.61 and 761.20(e)]

10. Used Oil Certification Required: The owner or operator shall receive from the marketer, for each load of used oil received, a certification that the used oil meets the specifications for on-specification used oil and contains a PCB concentration of less than 50 ppm. This certification shall also describe the basis for the certification, such as analytical results.
Used oil to be burned for energy recovery is presumed to contain quantifiable levels (2 ppm) of PCB unless the marketer obtains analyses (testing) or other information that the used oil fuel does not contain quantifiable levels of PCBs. Note that a claim that used oil does not contain quantifiable levels of PCBs (that is, that the used oil contains less than 2 ppm of PCBs) must be documented by analysis or other information. The first person making the claim that the used oil does not contain PCBs is responsible for furnishing the documentation. The documentation can be tests, personal or special knowledge of the source and composition of the used oil, or a certification from the person generating the used oil claiming that the used oil contains no detectable PCBs.
[40 CFR 761.20]
11. Used Oil Testing Required: If the owner or operator does not receive certification from the marketer as described above, the owner or operator shall sample and analyze each batch of used oil to be burned for the following parameters:

(a) Arsenic, cadmium, chromium, lead, total halogens, flash point, PCBs*, and percent sulfur content by weight, ash, and BTU value (BTU per gallon).
(b) Testing (sampling, extraction and analysis) shall be performed using approved methods specified in EPA Publication SW-846 (Test Methods for Evaluating Solid Waste, Physical/Chemical Methods), latest edition.
(c) Analysis for PCBs is not required for each lot of on spec fuel, if the vendor certifies that the used oil does not contain quantifiable levels of PCBs. If the owner or operator relies on certification from the vendor as described above, the owner or operator shall, at a minimum, for each calendar quarter, sample one load of used oil received, selected at random by the owner or operator, and analyze the sample for the above parameters. If the analytical results show that the used oil **does not meet** the specification for on-specification used oil, or that it contains a PCB concentration of **50 ppm or greater**, the owner or operator shall:
    a. immediately notify the appropriate district or local programprovide the analytical results for the above parameters; and
    c. indicate the proposed means of disposal of the used oil.

[Rule 62-4.070(3), F.A.C.; 40 CFR 279; and, 40 CFR 761]

12. Used Oil Recordkeeping Required: The owner or operator shall obtain, make, and keep the following records related to the use of used oil in a form suitable for inspection at the facility by the Department:

    (1) The gallons of on-specification used oil received and burned each month. (This record shall be completed no later than the fifteenth day of the succeeding month.)
    (2) The total gallons of on-specification used oil burned in the preceding consecutive 12-month period (This record shall be completed no later than the fifteenth day of the succeeding month).
    (3) The name and address of all marketers delivering used oil to the facility.
    (4) Copies of the marketer certifications, if obtained, and any supporting information.
    (5) Documentation that the used oil contains less than 2 ppm PCBs, if claimed, including the name and address of the person making the claim.
    (6) Results of the analyses required above.
    (7) A copy of the notice to EPA and a copy of the one-time written notice provided to each marketer.
    (8) The total amount of lead emitted from burning used oil each month (calculated from the amount burned, the specific gravity of the used oil and the concentration of lead in the used oil), and the total amount of lead emitted in the preceding consecutive 12-month period. (This record shall be completed no later than the fifteenth day of the succeeding month

[Rule 62-4.070(3), F.A.C.; 40 CFR 279.61; and, 40 CFR 761.20(e)]

13. Used Oil Reporting Required: The owner or operator shall submit to the appropriate district or local program, within thirty days of the end of each calendar quarter, the analytical results and the total amount of on-specification used oil received and burned during the quarter.
[Rule 62-4.070(3), F.A.C.; 40 CFR 279; and, 40 CFR 761]

COMPLIANCE MONITORING AND TESTING REQUIREMENTS

14. Test Frequency: Prior to obtaining an operation permit for this facility, the owner or operator shall conduct visible emissions and particulate matter compliance tests to demonstrate compliance with the standards of this permit, in accordance with the conditions listed below.
[Rule 62-297.310(7)(a)1., F.A.C.]
(a) 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.]
(b) The owner or operator shall conduct a particulate matter test that demonstrates compliance with the standards of this permit prior to obtaining a renewed operation permit in accordance with the conditions listed below.
[Rule 62-297.310(7)(a)3., F.A.C.]

15. 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.]

16. Requirements for Initial Testing: The owner or operator shall determine compliance with the particulate matter standards of 40 CFR 60.92 as follows:

(a) EPA Method 5 shall be used to determine the particulate matter concentration. The sampling time and sampling volume for each run shall be 60 minutes and 31.8 dscf.

(b) EPA Method 9 and the procedures of 40 CFR 60.11 shall be used to determine opacity.

(c) Calculation of Emission Rate: The indicated emission rate or concentration shall be the arithmetic average of the emission rate or concentration determined by each of the three separate test runs unless otherwise specified in a particular test method or applicable rule.
[40 CFR 60.93; and, Rule 62-297.310(3), F.A.C.]

17. Requirements for Annual Testing: The owner or operator shall meet all applicable requirements of Rule 62-297.310(4), F.A.C.
[Rule 62-297.310(4), F.A.C.]

18. 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.]

19. Required Stack Sampling Facilities: Sampling facilities include sampling ports, work platforms, access to work platforms, electrical power, and sampling equipment support. All stack sampling facilities must meet any Occupational Safety and Health Administration (OSHA) Safety and Health Standards described in 29 CFR Part 1910, Subparts D and E. Sampling facilities shall also conform to the requirements of Rule 62-297.310(6), F.A.C.
[Rule 62-297.310(6), 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.; and, 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.]

21. Sulfur: 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 62-210.200, F.A.C.]

22. 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 RECORDKEEPING REQUIREMENTS

23. 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) Maintenance and repair logs for any work performed on the permitted emissions units.
(d) 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.]

24. 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.]

25. 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 60.92, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.92.

    (a) 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.
    (b) 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.

    [Rules 62-297.310(8)(b) & (c)1. - 6., F.A.C.]

26. 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.
[Rules 62-4.160(14)(a) & (b), F.A.C.]

27. Duration of Recordkeeping: 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.
[Rules 62-4.160(14)(a)& (b), F.A.C.]

28. 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.]

29. 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.]

NSPS GENERAL PROVISIONS

[Note: The numbering of the original rules in the following conditions has been preserved for ease of reference. In cases where the state requirements are more restrictive than the NSPS general requirements, the state requirements shall prevail.]

30. Notification and Recordkeeping:

(a) Any owner or operator subject to the provisions of 40 CFR 60 shall furnish the Administrator written notification as follows:

(b) 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.

(c) 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.

(d) 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]

31. 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.

(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.

(e) The owner or operator of an affected facility shall provide, or cause to be provided, performance testing facilities as follows: (1) Sampling ports adequate for test methods applicable to such facility. This includes (i) constructing the air pollution control system such that volumetric flow rates and pollutant emission rates can be accurately determined by applicable test methods and procedures and (ii) providing a stack or duct free of cyclonic flow during performance tests, as demonstrated by applicable test methods and procedures. (2) Safe sampling platform(s). (3) Safe access to sampling platform(s). (4) Utilities for sampling and testing equipment.

(f) Unless otherwise specified in the applicable subpart, each performance test shall consist of three separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the three runs shall apply. In the event that a sample is accidentally lost or conditions occur in which one of the three runs must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances, beyond the owner or operator's control, compliance may, upon the Administrator's approval, be determined using the arithmetic mean of the results of the two other runs.

[40 CFR 60.8]

32. 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). For purposes of determining initial compliance, the minimum total time of observations shall be 3 hours (30 6-minute averages) for the performance test or other set of observations (meaning those fugitive-type emission sources subject only to an opacity standard).

(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]

33. 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]

34. 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.

(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]

35. **Prohibited Operations: Asbestos Containing Materials:** This facility shall **not** process Asbestos Containing Materials (ACM), whether regulated asbestos containing material (RACM), category I or category II, and whether friable or nonfriable when received at the facility.

(1) "Asbestos" means the asbestiform varieties of serpentinite (chrysotile), riebeckite (crocidolite), cummingtonite-grunerite, anthophyllite, and actinolite-tremolite and includes trade acronyms products such as amosite.

(2) "Asbestos-containing materials", ACM, means any materials which contain more than one percent asbestos as determined by Polarized Light Microscopy. Based on a representative composite sample.

(3) "Asbestos removal project" means renovation or demolition operation in a facility that involves the removal of a threshold amount of regulated asbestos-containing material.

(4) "Category I Nonfriable Asbestos-Containing Material (ACM)" means asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than 1 percent asbestos as determined using the method specified in Appendix A, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy.

(5) "Category II Nonfriable ACM" means any material, excluding Category I Nonfriable ACM, containing more than 1 percent asbestos as determined using the methods specified in Appendix A, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy, that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

[40 CFR 61, Subpart M; Chapter 62-257, F.A.C.; and, Rules 62-730.300 and 62-701.520, F.A.C.]

The following general conditions apply to all permits pursuant to Rule 62-4.160, F.A.C.:

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, F.S. 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), F.S., the issuance of this permit does not convey any 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.

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, F.S. Such evidence shall only be used to the extend 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 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.

(c) 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.

(d) 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.

APPENDIX PC - PERMITTED COUNTIES

The permittee is authorized to operate in the following counties where public notice has been published:

Permitted Counties:	Date of Publication:	Permitted Counties:	Date of Publication:	Permitted Counties:	Date of Publication:
Alachua		Hamilton		Okeechobee	
Baker		Hardee		Orange	
Bay		Hendry		Osceola	
Bradford		Hernando		Palm Beach	
Brevard		Highlands		Pasco	
Broward		Hillsborough		Pinellas	
Calhoun		Holmes		Polk	
Charlotte		Indian River		Putnam	
Citrus		Jackson		St. Johns	
Clay		Jefferson		St. Lucie	
Collier		Lafayette		Santa Rosa	
Columbia		Lake		Sarasota	
Dade		Lee		Seminole	
DeSoto		Leon		Sumter	
Dixie		Levy		Suwannee	
Duval		Liberty		Taylor	
Escambia		Madison		Union	
Flagler		Manatee		Volusia	
Franklin		Marion		Wakulla	
Gasden		Martin		Walton	
Gilchrist		Monroe		Washington	
Glades		Nassau			
Gulf		Okaloosa			

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

10-17-2000
Bill
Phenom Handle
Kuhn
Bom

October 11, 2000

RECEIVED
OCT 16 2000
BUREAU OF AIR REGULATION

Mr. William Leffler
State of Florida
Department of Environmental Protection
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

**Subject: Ajax Paving Industries, Inc.
Portable BCE Drum Mix Asphalt Plant
Request for Addition of Portable Crusher**

Dear Mr. Leffler:

As discussed in our telephone conversation, this letter is to request that you and your department add an emission unit to Ajax Paving Industries, Inc. – Portable Drum Mix Plant Construction Application to include a portable reclaimed asphalt crushing unit on site.

Thank you for your cooperation in this matter. Should you have any further questions regarding this facility, or require any additional information, do not hesitate to contact our office. Included in this letter please emission calculations for a portable crusher at this site.

Sincerely,
Central Florida Testing Laboratories, Inc.

Bernard A. Ball Jr.

Bernard A. Ball, Jr.
Director of Environmental Services
BaB/bAb

xc : Mr. Robert Ray – Ajax Paving Industries, Inc.

EMISSION CALCULATIONS FROM PORTABLE CRUSHER

Grizzly Feeder Emissions

PM10 = (200 lb/ton)(0.0021 lb/ton) = 0.42 lb/hr
$PM10_{yearly}$ [(0.42 lb/hr)(500 hr/yr)(0.0021 lb/ton)] / 2000 lb/ton = 0.44 ton/yr
PM = [(200 lb/ton)(0.0021 lb/ton)] (2.1) = 0.88 lb/hr
$PM10_{yearly}$ [(0.88 lb/hr)(500 hr/yr)(0.0021 lb/ton)] / 2000 lb/ton (2.1) = 0.92 ton/yr

Crusher Emissions

PM10 = (200 lb/ton)(0.0021 lb/ton) = 0.42 lb/hr
$PM10_{yearly}$ [(0.42 lb/hr)(500 hr/yr)(0.0021 lb/ton)] / 2000 lb/ton = 0.44 ton/yr
PM = [(200 lb/ton)(0.0021 lb/ton)] (2.1) = 0.88 lb/hr
$PM10_{yearly}$ [(0.88 lb/hr)(500 hr/yr)(0.0021 lb/ton)] / 2000 lb/ton (2.1) = 0.92 ton/yr

Vibrating Screener

$PM10_{yearly}$ = [(200 ton/hr)(500 hr/yr)(0.0048 lb/ton)] / (2000 lb/ton) = 0.24 ton/yr
$PM10_{hour}$ = [(200 ton/hr)(0.0048 lb/ton)] = 0.96 lb/hr
PM_{yearly} = [(200 ton/hr)(500 hr/yr)(0.0048 lb/ton)] (2.1) / (2000 lb/ton) = 0.50 ton/yr
PM_{hour} = [(200 ton/hr)(0.0048 lb/ton)] (2.1) = 2.02 lb/hr

Radial Stacker

PM10 = (200 lb/ton)(0.0048 lb/ton) = 0.96 lb/hr
$PM10_{yearly}$ [(200 lb/hr)(500 hr/yr)(0.0048 lb/ton)] / 2000 lb/ton = 1.50 ton/yr
PM = [(200 lb/ton)(0.0048 lb/ton)] (2.1) = 2.02 lb/hr
$PM10_{yearly}$ [(200 lb/hr)(500 hr/yr)(0.0048 lb/ton)] / 2000 lb/ton (2.1) = 3.14 ton/yr

Generator – No.2 Virgin Diesel Fired

PM10 = (25 gal/hr fuel useage)(138,000 BTU/gal) = 3.45 MMBTU/hr
(3.45 MMBTU/hr)(0.31 lb/MMBTU) = 1.07 lb/hr
(1.07 lb/hr)(500 hrs/yr) / 2000 lb/ton = 0.27 ton/hr

NOx = (25 gal/hr fuel useage)(138,000 BTU/gal) = 3.45 MMBTU/hr
(3.45 MMBTU/hr)(4.41 lb/MMBTU) = 15.21 lb/hr
(15.21 lb/hr)(500 hrs/yr) / 2000 lb/ton = 3.80 ton/yr

CO = (25 gal/hr fuel useage)(138,000 BTU/gal) = 3.45 MMBTU/hr
(3.45 MMBTU/hr)(0.95 lb/MMBTU) = 3.28 lb/hr
(3.28 lb/hr)(500 hrs/yr) / 2000 lb/ton = 0.82 ton/hr

SOx = (25 gal/hr fuel useage)(138,000 BTU/gal) = 3.45 MMBTU/hr
(3.45 MMBTU/hr)(0.29 lb/MMBTU) = 1.00 lb/hr
(1.00 lb/hr)(500 hrs/yr) / 2000 lb/ton = 0.25 ton/hr

TOC = (25 gal/hr fuel useage)(138,000 BTU/gal) = 3.45 MMBTU/hr
(3.45 MMBTU/hr)(0.36 lb/MMBTU) = 1.24 lb/hr
(1.24 lb/hr)(500 hrs/yr) / 2000 lb/ton = 0.31 ton/hr

Emissions calculated above are based on worst case scenario for a portable crushing unit at this facility crushing at 200 tph and 500 hours maximum per year.

AJAX PAVING INDUSTRIES, INC.

Portable BCE Drum Mix Asphalt Plant

Moorehaven, Glades County, Florida

FDEP Construction Permit Application

AUGUST - 2000

RECEIVED
AUG 31 2000
BUREAU OF AIR REGULATION

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: **AJAX PAVING INDUSTRIES, INC.**	
2. Site Name: **AJAX PAVING INDUSTRIES, INC. – PORTABLE PLANT**	
3. Facility Identification Number: **777060** [ ] Unknown	
4. Facility Location: **(Present Location – Relocatable Plant)** Street Address or Other Locator: **1740 U.S. 27 South** City: **Moore Haven** County: **Glades** Zip Code: **33471**	
5. Relocatable Facility? [**X**] Yes [ ] No	6. Existing Permitted Facility? [**X**] Yes [ ] No

Application Contact

1. **Name and Title of Application Contact:** **Mr. Bernard A. Ball, Jr., Director of Environmental Services**
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:_____

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.

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

Owner/Authorized Representative

1. Name and Title of Owner/Authorized Representative:
   Mr. Michael Horan, President
2. Owner/Authorized Representative Mailing Address:
   Organization/Firm: **Ajax Paving Industries, Inc.**
   Street Address: **510 Gene Green Road**
   City: **Nokomis** State: **Florida** Zip Code: **34275-3624**
3. Owner/Authorized Representative Telephone Numbers:
   Telephone: **(941) 486-3600** Fax: **(941) 486-3500**
4. Owner/Authorized Representative Statement:

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

   Michael A Horan 8/30/00

   Signature Date

* Attach letter of authorization if not currently on file.

Professional Engineer Certification

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

4. Professional Engineer Statement:

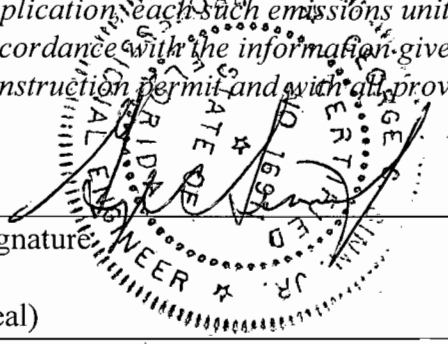
I, the undersigned, hereby certify, except as particularly noted herein, that:*

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

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

If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [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

8-29-07

Date

(seal)

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

Scope of Application

Emissions Unit ID	Description of Emissions Unit	Permit Type	Processing Fee
001	250 TPH Portable Bituma Construction & Engineering Company (BCE) Drum Mix Asphalt Plant, fired on No.5 "on-spec" fuel oil with a 0.5% sulfur limit, with No.2 virgin diesel fuel being an alternate fuel with a 0.5% sulfur limit, controlled by a primary dry cyclone separator followed by a BCE Model 400 baghouse system.	AC2A	$2,000.00
002	Gentec/HyWay Model HGYO 200, oil heating system rated at 2.0 MMBtu/hr, fired on No.2 virgin diesel fuel with a maximum sulfur limit of 0.5% by weight. utilized to heat fuel oil supplied to asphalt plant burner and to heat 20,000 gallon liquid asphalt tanks.	AC2B	Combined w/ asphalt plant
003	BCE – Reclaimed Asphalt Vibrating Screener - used to screen reclaimed crushed asphalt to a desired size before entering mixing area of the rotary drum of asphalt plant.	AC2B	Combined w/ asphalt plant
004	Fugitive emissions from paved and unpaved areas at this facility.	AC2C	Combined w/ asphalt plant
005	Fugitive emissions from stockpiles, conveyor drop points and dumping of aggregates into hoppers.	AO2C	Combined w/ asphalt plant

Application Processing Fee

Check one: [X] Attached - Amount: $ 2,000.00 [ ] Not Applicable

** $500.00 balance owed to FDEP per Mr. William Leffers of FDEP Permitting*

Construction/Modification Information

1. Description of Proposed Project or Alterations:

This project consists of an existing 250 TPH - Portable Bituma Equipment & Engineering Company, Inc. (BCE) Drum Mix Asphalt Plant now located at 1740 U.S. 27 South, Moore Haven, Glades County, Florida and permitted under FDEP Construction Permit No. 7770060-003-AC. This application is for a statewide FDEP Construction Permit for the portable BCE Drum Mix Asphalt Plant for relocation to the counties of Charlotte, Collier, Glades, Hendry, and Lee as the previous construction permit was let expire. Other locations will be requested for later as they are known.

This asphalt producing facility is equipped to burn No. 5 "on-spec" fuel oil in it's plant's burner system with virgin No.2 fuel oil being an alternate fuel, both fuels having a maximum sulfur limit of 0.5% by weight. The emissions from the mixing/drying drum of this plant are controlled by a BCE primary dry cyclone separator followed by a BCE Model 400 baghouse control system rated at 66,000 ACFM and 99.9% efficient by the manufacturer @ 3-4 "Hg of Pressure Drop.

Liquid Asphalt Tanks and the fuel oil used by the plants burner system at this facility are heated as needed by a Gentec/HyWay, Inc. Model 200, oil heating system rated at 2.0 MBtu/hr fired on No.2 virgin diesel fuel with a maximum sulfur content of 0.5% by weight.

This asphalt producing plant also employs a BCE Reclaimed Asphalt Vibrating Screening System used to screen and size reclaimed asphalt material to a desired size before it enters the mixing zone of the rotary drum of this asphalt plant.

This facility as in the past will comply with all FDEP Rules and Regulations for relocatable facilities of this type.

2. Projected or Actual Date of Commencement of Construction: **Existing Facility**

3. Projected Date of Completion of Construction: **Existing Facility**

Application Comment:

This project consists of an existing 250 TPH - Portable Bituma Equipment & Engineering Company, Inc. (BCE) Drum Mix Asphalt Plant now located at 1740 U.S. 27 South, Moore Haven, Glades County, Florida and permitted under FDEP Construction Permit No. 7770060-003-AC. This application is for a statewide FDEP Construction Permit for the portable BCE Drum Mix Asphalt Plant for relocation to the counties of Charlotte, Collier, Glades, Hendry, and Lee as the previous construction permit was let expire. Other locations will be requested for later as they are known.

This asphalt producing facility is equipped to burn No. 5 "on-spec" fuel oil in it's plant's burner system with virgin No.2 fuel oil being an alternate fuel, both fuels having a maximum sulfur limit of 0.5% by weight. The emissions from the mixing/drying drum of this plant are controlled by a BCE primary dry cyclone separator followed by a BCE Model 400 baghouse control system rated at 66,000 ACFM and 99.9% efficient by the manufacturer @ 3-4 "Hg of Pressure Drop.

Liquid Asphalt Tanks and the fuel oil used by the plants burner system at this facility are heated as needed by a Gentec/HyWay, Inc. Model 200, oil heating system rated at 2.0 MBtu/hr fired on No.2 virgin diesel fuel with a maximum sulfur content of 0.5% by weight.

This asphalt producing plant also employs a BCE Reclaimed Asphalt Vibrating Screening System used to screen and size reclaimed asphalt material to a desired size before it enters the mixing zone of the rotary drum of this asphalt plant.

This facility as in the past will comply with all FDEP Rules and Regulations for relocatable facilities of this type.

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1. Facility UTM Coordinates: **(Present Location other coordinates not known yet)** Zone: **17** East (km): **488.9 E** North (km): **2967.9 N**			
2. Facility Latitude/Longitude: Latitude (DD/MM/SS): **26°50'03" N** Longitude (DD/MM/SS): **81°06'42" W**			
3. Governmental Facility Code: **O**	4. Facility Status Code: **ACTIVE**	5. Facility Major Group SIC Code: **2951**	6. Facility SIC(s): **2951**
7. Facility Comment (limit to 500 characters): **This project consists of an existing 250 TPH - Portable Bituma Equipment & Engineering Company, Inc. (BCE) Drum Mix Asphalt Plant now located at 1740 U.S. 27 South, Moore Haven, Glades County, Florida and permitted under FDEP Construction Permit No. 7770060-003-AC. This application is for a statewide FDEP Construction Permit for the portable BCE Drum Mix Asphalt Plant for relocation to the counties of Charlotte, Collier, Glades, Hendry, and Lee as the previous construction permit was let expire. Other locations will be requested for later as they are known.** **This asphalt producing facility is equipped to burn No. 5 "on-spec" fuel oil in it's plant's burner system with virgin No.2 fuel oil being an alternate fuel, both fuels having a maximum sulfur limit of 0.5% by weight. The emissions from the mixing/drying drum of this plant are controlled by a BCE primary dry cyclone separator followed by a BCE Model 400 baghouse control system rated at 66,000 ACFM and 99.9% efficient by the manufacturer @ 3-4 "Hg of Pressure Drop.** **Liquid Asphalt Tanks and the fuel oil used by the plants burner system at this facility are heated as needed by a Gentec/HyWay, Inc. Model 200, oil heating system rated at 2.0 MBtu/hr fired on No.2 virgin diesel fuel with a maximum sulfur content of 0.5% by weight.** **This asphalt producing plant also employs a BCE Reclaimed Asphalt Vibrating Screening System used to screen and size reclaimed asphalt material to a desired size before it enters the mixing zone of the rotary drum of this asphalt plant.** **This facility as in the past will comply with all FDEP Rules and Regulations for relocatable facilities of this type.**			

Facility Contact

1. Name and Title of Facility Contact: **Mr. Robert K. Ray, Asphalt Plant Operations Manager**
2. Facility Contact Mailing Address: Organization/Firm: **Ajax Paving Industries, Inc.** Street Address: **510 Gene Green Road** City: **Nokomis** State: **Florida** Zip Code: **34272**

3. Facility Contact Telephone Numbers:
Telephone: **(941) 486-3600** Fax: **(941) 486-3500**

Facility Regulatory Classifications

Check all that apply:

1. [ ] Small Business Stationary Source? [X] Unknown
2. [X] Synthetic Non-Title V Source? (**Emissions less than 100 ton/yr)**
3. [X] Synthetic Minor Source of Pollutants Other than Haps?
4. [X] Synthetic Minor Source of HAPs? **(Total HAP's less than 25 ton/yr)**
5. [X] One or More Emissions Units Subject to NSPS?
6. [ ] One or More Emission Units Subject to NESHAP Recordkeeping or Reporting?
7. Facility Regulatory Classifications Comment (limit to 200 characters): **This facility does not meet the criteria of Title V "conditional exemption" in 62-210.300 (3) but is considered a "synthetic minor source" and is exempt from Title V permitting in accordance with EPA's definition.** **Emissions from facility less than 100 ton/year, regulated total HAPs emissions (in fuel oil) less than 25 ton/year.**

Rule Applicability Analysis

This facility is subject to NSPS and 40 CFR 60, subpart 000. This facility does not meet the criteria of Title V "conditional exemption" in 62-210.300 (3) but is considered a "synthetic minor source" and is exempt from Title V permitting in accordance with EPA's definition.

B. FACILITY POLLUTANTS

List of Pollutants Emitted

1. Pollutant Emitted	2. Pollutant Classif.	3. Requested Emissions Cap lb/hour	tons/year	4. Basis for Emissions Cap	5. Pollutant Comment
PM	**B**	**0.04 gr/dscf**		**RULE**	
PM10	**B**			**RULE**	
SO2	**B**			**RULE**	
NOx	**B**			**RULE**	
CO	**B**			**RULE**	
TOC	**B**			**RULE**	

C. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Area Map Showing Facility Location: [**X**] Attached, Document ID:__**I**_____ [ ] Not Applicable [ ] Waiver Requested *** Present Location, other locations not determined as of yet**
2. Facility Plot Plan: [**X**] Attached, Document ID:__**II**_____[ ] Not Applicable [ ] Waiver Requested *** Present Location, other locations may very with space available.**
3. Process Flow Diagram(s): [**X**] Attached, Document ID:___**III**____[ ] Not Applicable [ ] Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: [ ] Attached, Document ID:___**IV**____[ ] Not Applicable [ ] Waiver Requested
5. Supplemental Information for Construction Permit Application: [ ] Attached, Document ID:___**V**_____[ ] Not Applicable
6. Supplemental Requirements Comment:

EMISSIONS ID. NO. 001

250 TPH BCE - PORTABLE DRUM MIX ASPHALT PLANT

III. EMISSIONS UNIT INFORMATION – *Asphalt Plant*

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)

[X] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

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

[ ] 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.

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters):
250 tph Portable Bituma Construction & Engineering Company, Inc. Drum Mix Asphalt Plant, fired on "on-spec" No.5 reclaimed fuel oil with No.2 virgin diesel fuel being an alternate fuel, both fuels having a 0.5% maximum sulfur content by weight, controlled by a BCE primary collector separator followed by a BCE Model 400 baghouse system.

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

2. Emissions Unit Status Code:	3. Initial Startup Date:	4. Emissions Unit Major Group SIC Code:
ACTIVE	**ACTIVE**	**2951**

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

The emissions generated in the drying drum of this asphalt plant producing facility will be controlled by the BCE – Primary Collector Separator. This collector recycles and returns 50% of the dust emissions generated in the drum back into the aggregate / recycle mixing zone. The primary collector will be followed by an existing BCE, Model 400 baghouse control system rated at 66,000 ACFM and 99.9 % by the manufacturer.

Emissions Unit Information Section 2 of 5

Emissions Unit Control Equipment

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

A Bituma Engineering & Equipment Company (BCE) – Primary Collector Separator followed by a BCE, Model 400 baghouse system rated at 66,000 ACFM and 99.9 % by the manufacturer.

2. Control Device or Method Code(s): **101**

Emissions Unit Details

1. Package Unit: **Drum Mix Asphalt Plant controlled with primary collector and baghouse**
   Manufacturer: **Bituma Engineering & Equipment Company (BCE)**
   Model Number: **Primary Collector / Baghouse Model 400**
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: **110.0** mmBtu/hr **(plant's burner system)**
2. Maximum Incineration Rate: lb/hr tons/day
3. Maximum Process or Throughput Rate: **Maximum of 250 tph of hot mix asphalt concrete and a maximum of 750 gallons per hour of "on-spec" No.5 reclaimed fuel oil burned by the plant's burner system.**
4. Maximum Production Rate: **250 tph of hot mix asphaltic concrete.**
5. Requested Maximum Operating Schedule:

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

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

6. Operating Capacity/Schedule Comment (limit to 200 characters):
Annual Production at this facility will consist of the following:

Total Tons of asphalt to be produced = 1 million ton
Total Fuel Consumption per year, by plant's burner system = maximum of 3.0 million gallons
Total Production Hours = 4000 maximum of operation by plant's burner system.

Facility is a "synthetic minor" source. Emissions are less than 100 tpy, while HAP's emissions are less than 25 tpy.

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? **001 Exhaust Stack**	2. Emission Point Type Code: **1**	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): **NOT APPLICABLE**		
3. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: **NOT APPLICABLE**		
4. Discharge Type Code: **V**	6. Stack Height: **~30** feet	7. Exit Diameter: **~10 sq.** feet
8. Exit Temperature: **~275°F**	9. Actual Volumetric Flow Rate: **~66,000** acfm	10. Water Vapor: **~30 %**
11. Maximum Dry Standard Flow Rate: **~35,000** dscfm	12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates: **(present location Glades)** Zone: **17** East (km): **488.9 E** North (km): **2967.9 N**		
14. Emission Point Comment (limit to 200 characters):		

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment _1__ of __1___ **(Emissions for No.2 & 5 the Same)**

1. Segment Description (Process/Fuel Type) (limit to 500 characters): **Bituma Engineering & Equipment Company, Inc. (BCE) – Portable Drum Mix Asphalt Plant, Burner System rated at 110.0 MMBtu/hr fired on "on-spec" No. 5 reclaimed fuel oil or No.2 virgin diesel fuel as a backup, with maximum sulfur limits of 0.5 % by weight and maximum consumption of 750 gallons per hour.**		
2. Source Classification Code (SCC): **30500201**	3. SCC Units: **1,000 gallons burned**	
4. Maximum Hourly Rate: **750 gal/hr max.**	5. Maximum Annual Rate: **3.0 million gal/yr max.**	6. Estimated Annual Activity Factor: **NA**
6. Maximum % Sulfur: **0.50 % by weight**	7. Maximum % Ash: **< 0.01 % by weight**	8. Million Btu per SCC Unit: **0.138 MMBtu**
10. Segment Comment (limit to 200 characters): **The emissions factors contained in AP-42, table 11.1-8 for Drum Mix Asphalt Plants (1/95) indicated same emission factors for both types of fuel oil that will be used at this facility by the plant's burner system.**		

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**	2. Pollutant Regulatory Code: **EL**	
3. Primary Control Device Code: **101**	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control: **99.9%**
6. Potential Emissions: **10.00** lb/hour **20.00** tons/year		7. Synthetically Limited? [**X**] **YES**
8. Emission Factor: **0.040 lb/ton** Reference: **AP-42 (Table 11.1-5)**		9. Emissions Method Code: **3**
10. Calculation of Emissions (limit to 600 characters): **PM = (0.040 lb/ton) (250 ton/hr) = 10.00 lb/hr** **PM_{yearly} = (10.00 lb/hr)(4000 hr/yr) / 2000 lb/ton = 20.00 ton/yr**		
10. Pollutant Potential Emissions Comment (limit to 200 characters): **The emission factors contained in AP-42, table 11.1-8 Drum Mix Asphalt Plants (1/95) indicate the same emission factors for both types of fuel oils that will be used at this facility by the plant's burner system.**		

Allowable Emissions Allowable Emissions ___**1**___ of __**5**____

1. Basis for Allowable Emissions Code: **RULE – Emissions subject to NSPS**	2. Future Effective Date of Allowable Emissions: **NA**
2. Requested Allowable Emissions and Units: **0.04 grains/dscf**	4. Equivalent Allowable Emissions: **10.00** lb/hour **20.00** tons/year
5. Method of Compliance (limit to 60 characters): **Compliance will be achieved through initial and annual emissions compliance testing.**	
6. Allowable Emissions Comment (Desc. Of Operating Method) (limit to 200 characters):	

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: **SO2**		2. Pollutant Regulatory Code: **EL**
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:
6. Potential Emissions: **14.00** lb/hour **28.00** tons/year		7. Synthetically Limited? [**X**] **YES**
8. Emission Factor: **0.056 lb/ton** Reference: **AP-42 (Table 11.1-8)**		11. Emissions Method Code: **3**
10. Calculation of Emissions (limit to 600 characters): **SO2 = (0.056 lb/ton) (250 ton/hr) = 14.00 lb/hr** **$SO2_{yearly}$ = (14.00 lb/hr)(4000 hr/yr) / 2000 lb/ton = 28.00 ton/yr**		
12. Pollutant Potential Emissions Comment (limit to 200 characters): **The emission factors contained in AP-42, table 11.1-8 Drum Mix Asphalt Plants (1/95) indicate the same emission factors for both types of fuel oils that will be used at this facility by the plant's burner system.**		

Allowable Emissions Allowable Emissions ___**2**___ of __**5**____

3. Basis for Allowable Emissions Code: **RULE – Emissions subject to VE standards**	2. Future Effective Date of Allowable Emissions: **NA**
4. Requested Allowable Emissions and Units: **0.50 % sulfur by weight**	4. Equivalent Allowable Emissions: **14.00** lb/hour **28.00** tons/year
5. Method of Compliance (limit to 60 characters): **Compliance will be achieved through fuel oil analyses supplies with every load delivered to this plant and kept on record.**	
6. Allowable Emissions Comment (Desc. Of Operating Method) (limit to 200 characters):	

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: **NOx**	2. Pollutant Regulatory Code: **EL**	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:
6. Potential Emissions: **18.75** lb/hour **37.50** tons/year		7. Synthetically Limited? **[X] YES**
8. Emission Factor: **0.075 lb/ton** Reference: **AP-42 (Table 11.1-5)**		13. Emissions Method Code: **3**

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

NOx = (0.075 lb/ton) (250 ton/hr) = 18.75 lb/hr
NOx_{yearly} = (18.75 lb/hr)(4000 hr/yr) / 2000 lb/ton = 37.50 ton/yr

14. Pollutant Potential Emissions Comment (limit to 200 characters):
The emission factors contained in AP-42, table 11.1-8 Drum Mix Asphalt Plants (1/95) indicate the same emission factors for both types of fuel oils that will be used at this facility by the plant's burner system.

Allowable Emissions Allowable Emissions ___3___ of __5____

5. Basis for Allowable Emissions Code: **RULE**	2. Future Effective Date of Allowable Emissions: **NA**
6. Requested Allowable Emissions and Units: **Emissions subject to VE standards**	4. Equivalent Allowable Emissions: **18.75** lb/hour **37.50** tons/year

5. Method of Compliance (limit to 60 characters): **Compliance will be achieved through fuel oil analyses supplies with every load delivered to this plant and kept on record.**

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

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: **CO**	2. Pollutant Regulatory Code: **EL**	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:
6. Potential Emissions: **9.00** lb/hour **18.00** tons/year		7. Synthetically Limited? [**X**] **YES**
8. Emission Factor: **0.036 lb/ton** Reference: **AP-42 (Table 11.1-8)**		15. Emissions Method Code: **3**
10. Calculation of Emissions (limit to 600 characters): **CO = (0.036 lb/ton) (250 ton/hr) = 9.00 lb/hr** **CO_{yearly} = (9.00 lb/hr)(4000 hr/yr) / 2000 lb/ton = 18.00 ton/yr**		
16. Pollutant Potential Emissions Comment (limit to 200 characters): **The emission factors contained in AP-42, table 11.1-8 Drum Mix Asphalt Plants (1/95) indicate the same emission factors for both types of fuel oils that will be used at this facility by the plant's burner system.**		

Allowable Emissions Allowable Emissions ___**4**___ of __**5**____

7. Basis for Allowable Emissions Code: **RULE**	2. Future Effective Date of Allowable Emissions: **NA**
8. Requested Allowable Emissions and Units: **Emissions subject to VE standards**	4. Equivalent Allowable Emissions: **9.00** lb/hour **18.00** tons/year
5. Method of Compliance (limit to 60 characters): **Compliance will be achieved through fuel oil analyses supplies with every load delivered to this plant and kept on record.**	
6. Allowable Emissions Comment (Desc. Of Operating Method) (limit to 200 characters):	

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: **TOC**	2. Pollutant Regulatory Code: **EL**	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control: **0%**
6. Potential Emissions: **17.25** lb/hour **34.50** tons/year		7. Synthetically Limited? **[X] YES**
8. Emission Factor: **0.069 lb/ton** Reference: **AP-42 (Table 11.1-5)**		17. Emissions Method Code: **3**

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

TOC = (0.069 lb/ton) (250 ton/hr) = 17.25 lb/hr
TOC_{yearly} = (17.25 lb/hr)(4000 hr/yr) / 2000 lb/ton = 34.50 ton/yr

18. Pollutant Potential Emissions Comment (limit to 200 characters):
The emission factors contained in AP-42, table 11.1-8 Drum Mix Asphalt Plants (1/95) indicate the same emission factors for both types of fuel oils that will be used at this facility by the plant's burner system.

Allowable Emissions Allowable Emissions ___5___ of __5____

9. Basis for Allowable Emissions Code: **RULE**	2. Future Effective Date of Allowable Emissions: **NA**
10. Requested Allowable Emissions and Units: **Emissions subject to VE standards**	4. Equivalent Allowable Emissions: **17.25** lb/hour **34.50** tons/year

5. Method of Compliance (limit to 60 characters): **Compliance will be achieved through fuel oil analyses supplies with every load delivered to this plant and kept on record.**

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: **VE20**	2. Basis for Allowable Opacity: [X] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **20** % Exceptional Conditions: **20** % Maximum Period of Excess Opacity Allowed: **NONE** min/hour	
4. Method of Compliance: **EPA METHOD 9**	
5. Visible Emissions Comment (limit to 200 characters): **Regulated under 62-296.320**	

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

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement: [ ] Rule [ ] Other	
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters): **NOT APPLICABLE**	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

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

EMISSIONS ID. NO. 002

EMISSIONS GENTEC / HY-WAY OIL HEATING SYSTEM

III. EMISSIONS UNIT INFORMATION - Gentec Hy-Way Heater

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)

[X] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

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

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

6. Description of Emissions Unit Addressed in This Section (limit to 60 characters):
Gentec Hy-Way Model No. HGYO-200 Oil Heating System, fired on No.2 Virgin Diesel Fuel with a maximum sulfur content of 0.5% by weight, rated at 2.0 MBtu/hr. Utilized to heat liquid asphalt tanks and fuel oil supplied to the plant's burner system.

3. Emissions Unit Identification Number:
ID: **002**
[ ] No ID
[ ] ID Unknown

7. Emissions Unit Status Code:	8. Initial Startup Date:	9. Emissions Unit Major Group SIC Code:
ACTIVE	**ACTIVE – ASAP**	**2951**

10. Emissions Unit Comment: (Limit to 500 Characters):
This is an existing emissions unit and will remain as is with no changes.

Emissions Unit Information Section 2 of 5

Emissions Unit Control Equipment

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

NONE – limiting sulfur limits in fuel oil burned by this unit

2. Control Device or Method Code(s):

Emissions Unit Details

1. Package Unit: **Hot Oil Heating System**
   Manufacturer: **Genctec/ Hy-Way** Model Number: **HGYO-200**
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: **2.00** mmBtu/hr (**oil heater's burner system)**
2. Maximum Incineration Rate: lb/hr tons/day
3. Maximum Process or Throughput Rate: **Maximum of 10.0 gal/hr.**
4. Maximum Production Rate: **10.0 gal/hr.**
7. Requested Maximum Operating Schedule:

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

52 weeks/year ***not to exceeed:*** **8760 hrs/year**

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

This unit will operate continuously but will cycle at high and low fires. The maximum fuel consumption for this unit is 10.0 gallons hour.

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? **002 Oil Heater**		6. Emission Point Type Code: **1**
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): **NOT APPLICABLE**		
7. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: **NOT APPLICABLE**		
8. Discharge Type Code: **V**	6. Stack Height: **~10** feet	7. Exit Diameter: **~0.75** feet
8. Exit Temperature: **~200**°F	9. Actual Volumetric Flow Rate: **Unknown**	10. Water Vapor: **~5 %**
11. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: feet
13. Emission Point UTM Coordinates: (@ **present location, other locations not as yet determined)** Zone: **17** East (km): **488.9 E** North (km): **2967.9 N**		
14. Emission Point Comment (limit to 200 characters):		

C. SEGMENT (PROCESS/FUEL) INFORMATION – Gencor Hy-Way Oil Heater

Segment Description and Rate: Segment __1__ of __1__

1. Segment Description (Process/Fuel Type) (limit to 500 characters): **Gentec Hy-Way Model HYGO-200 Oil Heating System fired on No.2 Virgin diesel fuel with a maximum sulfur content of 0.5% by weight, used to heat fuel oil going to plants burner system and to heat liquid asphalt before entering mixing drum of the plant.**		
19. Source Classification Code (SCC): **30500201**	20. SCC Units: **1,000 gallons burned**	
21. Maximum Hourly Rate: **10.00 gal/hr max.**	22. Maximum Annual Rate: **87,600 gal/yr max.**	6. Estimated Annual Activity Factor: **NA**
23. Maximum % Sulfur: **0.50 % by weight**	24. Maximum % Ash: **< 0.01 % by weight**	25. Million Btu per SCC Unit: **0.138 MMBtu**
10. Segment Comment (limit to 200 characters): **Unit will be solely fired on No.2 virgin diesel fuel, this unit cycles from high to low fire dependent on heat needed.**		

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**		2. Pollutant Regulatory Code: **EL**
3. Primary Control Device Code: **NA**	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control: **0.0%**
6. Potential Emissions: **0.02** lb/hour **0.08** tons/year		7. Synthetically Limited? [**X**] **YES**
8. Emission Factor: **2.0 lb/1,000 gal** Reference: **AP-42 (Table 1.3-7)**		26. Emissions Method Code: **3**
10. Calculation of Emissions (limit to 600 characters): **PM = (2.0 lb/1,000 gal) (10.0 gal/hr) = 0.02 lb/hr** **PM_{yearly} = (0.02 lb/hr)(8,760 hr/yr) / 2000 lb/ton = 0.08 ton/yr**		
27. Pollutant Potential Emissions Comment (limit to 200 characters):		

Allowable Emissions Allowable Emissions ___**1**___ of __**5**___

11. Basis for Allowable Emissions Code: **RULE – Emissions subject to Opacity Stds.**	2. Future Effective Date of Allowable Emissions: **NA**
12. Requested Allowable Emissions and Units: **20 % Opacity**	4. Equivalent Allowable Emissions: **0.02** lb/hour **0.08** tons/year
5. Method of Compliance (limit to 60 characters): **Compliance will be achieved through proper maintenance of oil heating system, initial and annual visible emissions testing and fuel analyses supplied by oil supplier.**	
6. Allowable Emissions Comment (Desc. Of Operating Method) (limit to 200 characters):	

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: **SO2**	2. Pollutant Regulatory Code: **EL**	
3. Primary Control Device Code: **NA**	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control: **0 %**
6. Potential Emissions: **1.42** lb/hour **6.22** tons/year		7. Synthetically Limited? [**X**] **YES**
8. Emission Factor: **142.0 lb/1,000 gal.** Reference: **AP-42 (Table 1.3-2)**		28. Emissions Method Code: **3**
10. Calculation of Emissions (limit to 600 characters): **ESO2 = (142.0 lb/1,000 gal) (10.0 gal/hr) = 1.42 lb/hr** **$ESO2_{yearly}$ = (1.42 lb/hr)(8,760 hr/yr) / 2000 lb/ton = 6.22 ton/yr**		
29. Pollutant Potential Emissions Comment (limit to 200 characters):		

Allowable Emissions Allowable Emissions ___2___ of __5____

13. Basis for Allowable Emissions Code: **RULE – Emissions subject to Opacity Stds.**	2. Future Effective Date of Allowable Emissions: **NA**
14. Requested Allowable Emissions and Units: **0.50 % sulfur by weight**	4. Equivalent Allowable Emissions: **1.42** lb/hour **6.22** tons/year
5. Method of Compliance (limit to 60 characters): **Compliance will be achieved through fuel oil analyses supplies with every load delivered to this plant and kept on record, proper maintenance of burner system.**	
6. Allowable Emissions Comment (Desc. Of Operating Method) (limit to 200 characters):	

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: **NOx**		2. Pollutant Regulatory Code: **EL**
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:
6. Potential Emissions: **0.20** lb/hour **0.88** tons/year		7. Synthetically Limited? [**X**] **YES**
8. Emission Factor: **20.0 lb/1,000 gal** Reference: **AP-42 (Table 1.3-2)**		30. Emissions Method Code: **3**
10. Calculation of Emissions (limit to 600 characters): **NOx = (20.0 lb/1,000 gal) (10.0 gal/hr) = 0.20 lb/hr** **NOx_{yearly} = (0.20 lb/hr)(8,760 hr/yr) / 2000 lb/ton = 0.88 ton/yr**		
31. Pollutant Potential Emissions Comment (limit to 200 characters):		

Allowable Emissions Allowable Emissions ___3___ of __5____

15. Basis for Allowable Emissions Code: **RULE**	2. Future Effective Date of Allowable Emissions: **NA**
16. Requested Allowable Emissions and Units: **Emissions subject to Opacity stds.**	4. Equivalent Allowable Emissions: **0.20** lb/hour **0.88** tons/year
5. Method of Compliance (limit to 60 characters): **Compliance will be achieved through fuel oil analyses supplies with every load delivered to this plant and kept on record and proper maintenance of this unit.**	
6. Allowable Emissions Comment (Desc. Of Operating Method) (limit to 200 characters):	

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: **CO**	2. Pollutant Regulatory Code: **EL**	
3. Primary Control Device Code: **NA**	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control: **0%**
6. Potential Emissions: **0.05** lb/hour **0.22** tons/year		7. Synthetically Limited? [**X**] **YES**
8. Emission Factor: **5.0 lb/1,000 gal** Reference: **AP-42 (Table 1.3-2)**		32. Emissions Method Code: **3**
10. Calculation of Emissions (limit to 600 characters): **CO = (5.0 lb/1,000 gal)(10.0 gal/hr) = 0.05 lb/hr** **CO_{yearly} = (0.05 lb/hr)(8,760 hr/yr) / 2000 lb/ton = 0.22 ton/yr**		
33. Pollutant Potential Emissions Comment (limit to 200 characters):		

Allowable Emissions Allowable Emissions ___**4**___ of __**5**____

17. Basis for Allowable Emissions Code: **RULE**	2. Future Effective Date of Allowable Emissions: **NA**
18. Requested Allowable Emissions and Units: **Emissions subject to opacity stds.**	4. Equivalent Allowable Emissions: **0.05** lb/hour **0.22** tons/year
5. Method of Compliance (limit to 60 characters): **Compliance will be achieved through fuel oil analyses supplies with every load delivered to this plant and kept on record and proper maintenance of this unit.**	
6. Allowable Emissions Comment (Desc. Of Operating Method) (limit to 200 characters):	

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: **TOC**	2. Pollutant Regulatory Code: **EL**	
3. Primary Control Device Code: **NA**	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control: **0%**
6. Potential Emissions: **0.003** lb/hour **0.013** tons/year		7. Synthetically Limited? **[X] YES**
8. Emission Factor: **0.252 lb/1,000 gal** Reference: **AP-42 (Table 1.3-4)**		34. Emissions Method Code: **3**
10. Calculation of Emissions (limit to 600 characters): **TOC = (0.252 lb/1,000 gal) (10.0 gal/hr) = 0.003 lb/hr** **TOC_{yearly} = (0.003 lb/hr)(8,760 hr/yr) / 2000 lb/ton = 0.013 ton/yr**		
35. Pollutant Potential Emissions Comment (limit to 200 characters):		

Allowable Emissions Allowable Emissions ___**5**___ of __**5**____

19. Basis for Allowable Emissions Code: **RULE**	2. Future Effective Date of Allowable Emissions: **NA**
20. Requested Allowable Emissions and Units: **Emissions subject to opacity standards**	4. Equivalent Allowable Emissions: **0.003** lb/hour **0.013** tons/year
5. Method of Compliance (limit to 60 characters): **Compliance will be achieved through fuel oil analyses supplies with every load delivered to this plant and kept on record and proper maintenance of this unit.**	
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: **VE20**	2. Basis for Allowable Opacity: [X] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **20** % Exceptional Conditions: **20** % Maximum Period of Excess Opacity Allowed: **NONE** min/hour	
4. Method of Compliance: **EPA METHOD 9**	
5. Visible Emissions Comment (limit to 200 characters): **Regulated under 62-296.320**	

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

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	[ ] Rule [ ] Other
4. Monitor Information: Manufacturer: Model Number:	Serial Number:
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters): **NOT APPLICABLE**	

EMMISSIONS ID. NO. 003

EMISSIONS FROM BCE - RECLAIMED ASPHALT VIBRATING SCREENER

III. EMISSIONS UNIT INFORMATION

BCE – Vibrating Reclaimed Asphalt Screener

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

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in This Section: (Check one)

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

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

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

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

BCE - Vibrating Reclaimed Asphalt Screening unit – used to screen and size reclaimed crushed asphalt to a desired size before entering rotary mixing drum of asphalt plant

3. Emissions Unit Identification Number:
ID: **003**

[ ] No ID
[ ] ID Unknown

11. Emissions Unit Status Code:	12. Initial Startup Date:	13. Emissions Unit Major Group SIC Code:
ACTIVE	**ACTIVE (ASAP)**	**2951**

14. Emissions Unit Comment: (Limit to 500 Characters):
This is an existing emissions unit and will remain as is with no changes.

Emissions Unit Control Equipment

9. Control Equipment/Method Description (limit to 200 characters per device or method): **All material crushed or ground by this crusher is already coated with liquid asphalt, therefore fugitive emissions from this point will be minimum to nil.**
2. Control Device or Method Code(s):

Emissions Unit Details

1. Package Unit: **Vibrating Material Screener** Manufacturer: **Bituma Engineering & Equipment Co.** Model Number: **RAP-100**		
2. Generator Nameplate Rating:	MW	
3. Incinerator Information: Dwell Temperature: Dwell Time: Incinerator Afterburner Temperature:		°F seconds °F

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate:		
2. Maximum Incineration Rate:	lb/hr	tons/day
3. Maximum Process or Throughput Rate: **Maximum of 90.0 tph**		
4. Maximum Production Rate: **90.0 ton/hr.**		
9. Requested Maximum Operating Schedule: **24 hours/day** **7 days/week** **52 weeks/year** ***not to exceeed: 4000* hrs/year**		
10. Operating Capacity/Schedule Comment (limit to 200 characters): **This unit will operate continuously as recycle asphalt is produced. Unit will screen and feed no more than 90.0 tph to plant's mixing drum.**		

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? **003 RAP Screener**		10. 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**		
11. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: **NOT APPLICABLE**		
12. Discharge Type Code: **F**	6. Stack Height: **~ 12** feet	7. Exit Diameter: **Not Determinable** feet
8. Exit Temperature: **~Ambient** °F	9. Actual Volumetric Flow Rate: **Unknown**	10. Water Vapor: **~5 %**
11. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: feet
13. Emission Point UTM Coordinates: (@ **present location, other locations not as yet determined)** Zone: **17** East (km): **488.9 E** North (km): **2967.9 N**		
14. Emission Point Comment (limit to 200 characters): **This emission point subject to 40 CFR 60, subpart 000**		

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 vibrating screening unit. (Material Handling) emissions related to screening of reclaimed material.**		
36. Source Classification Code (SCC): **30502510**	37. SCC Units: **Tons of product**	
38. Maximum Hourly Rate: **90.0 ton/hr**	39. Maximum Annual Rate: **360,000 ton/yr max.**	6. Estimated Annual Activity Factor: **NA**
40. Maximum % Sulfur: **NA**	41. Maximum % Ash: **NA**	42. Million Btu per SCC Unit: **NA**
10. Segment Comment (limit to 200 characters): **FUGITIVE EMISSIONS CALCULATED AT WORST CASE SCENARIO**		

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type) (limit to 500 characters):		
2. Source Classification Code (SCC):	3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: **PM10, TSP**	2. Pollutant Regulatory Code: **EL**	
3. Primary Control Device Code: **None**	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control: **0.0%**
6. Potential Emissions: PM10 : **0.21 lb/hr, 0.43 ton/yr** TSP: **0.44** lb/hour **0.90** tons/year		7. Synthetically Limited? **[X] YES**
8. Emission Factor: **0.0024 lb/ton** Reference: **AP-42 (Table 11.19.2-2)**		43. Emissions Method Code: **3**
10. Calculation of Emissions (limit to 600 characters): **PM10 = (90.0 ton/hr) (0.0024 lb/ton) = 0.21 lb/hr** **$PM10_{yearly}$ = [(90.0 ton/hr)(4000 hr/yr)(0.0024 lb/ton)] / 2000 lb/ton = 0.43 ton/yr** **TSP_{hour} = (0.21 lb/hr) (2.1) = 0.44 lb/hr** **TSP_{yearly} = (0.43 ton/hr)(2.1) = 0.90 ton/yr**		
44. Pollutant Potential Emissions Comment (limit to 200 characters):		

Allowable Emissions Allowable Emissions ___1___ of __7____

3. Basis for Allowable Emissions Code: **RULE – Emissions subject to subpart 000**	2. Future Effective Date of Allowable Emissions: **NA**
4. Requested Allowable Emissions and Units: **<10% Opacity**	5. Equivalent Allowable Emissions: PM10 = **0.21 lb/hr, 0.43 ton/hr** TSP = **0.44** lb/hour, **0.90** tons/year
5. Method of Compliance (limit to 60 characters): **Compliance will be achieved through initial and annual emissions 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 ___1___ of ___1___

1. Visible Emissions Subtype: **VE10**	2. Basis for Allowable Opacity: [X] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **10 %** Exceptional Conditions: **10 %** Maximum Period of Excess Opacity Allowed: **NONE** min/hour	
4. Method of Compliance: **EPA METHOD 9**	
5. Visible Emissions Comment (limit to 200 characters): **Regulated under 40 CFR 60 subpart 000.**	

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

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	[ ] Rule [ ] Other
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters): **NOT APPLICABLE**	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Process Flow Diagram [**X**] Attached, Document ID:__**III**____ [ ] Not Applicable [ ] Waiver Requested
2. Fuel Analysis or Specification [**X**] Attached, Document ID:__**V**____ [ ] Not Applicable [ ] Waiver Requested **Can be found in initial compliance test.**
3. Detailed Description of Control Equipment [**X**] Attached, Document ID:__**VI**_____ [ ] Not Applicable [ ] Waiver Requested
4. Description of Stack Sampling Facilities [ ] Attached, Document ID:_____ [**X**] Not Applicable [ ] Waiver Requested
5. Compliance Test Report [ ] Attached, Document ID:_____ [ ] Previously submitted, Date:_____ [**X**] Not Applicable
6. Procedures for Startup and Shutdown [ ] Attached, Document ID:_____ [**X**] Not Applicable [ ] Waiver Requested
7. Operation and Maintenance Plan [ ] Attached, Document ID:_____ [**X**] Not Applicable [ ] Waiver Requested
8. Supplemental Information for Construction Permit Application [**X**] Attached, Document ID:___V____[ ] Not Applicable
9. Other Information Required by Rule or Statute [ ] Attached, Document ID:_____ [ ] Not Applicable
10. Supplemental Requirements Comment:

EMISSIONS ID. NO. 004

FUGITIVE EMISSIONS FROM PAVED & UNPAVED ROADS

III. EMISSIONS UNIT INFORMATION

FUGITIVE EMISSIONS FROM PAVED & UNPAVED AREAS

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

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in This Section: (Check one)

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

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

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

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

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

3. Emissions Unit Identification Number:
ID: **004**

[ ] No ID
[ ] ID Unknown

15. Emissions Unit Status Code:	16. Initial Startup Date:	17. Emissions Unit Major Group SIC Code:
NA	**ASAP**	**2951**

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

Emissions Unit Information Section 4 of 5

Emissions Unit Control Equipment

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

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

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

Emissions Unit Details

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

Emissions Unit Operating Capacity and Schedule

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

11. Requested Maximum Operating Schedule:

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

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

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

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

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? **004 – Unpaved/Paved Areas**		14. 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**		
15. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: **NOT APPLICABLE**		
16. Discharge Type Code: **F**	6. Stack Height: **~ 0.0** feet	7. Exit Diameter: **Not Determinable** feet
8. Exit Temperature: **~Ambient** °F	9. Actual Volumetric Flow Rate: **Unknown**	10. Water Vapor: **~5 %**
11. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: feet
13. Emission Point UTM Coordinates: (@ **present location, other locations UTM not determined as of yet.**) Zone: **17** East (km): **488.9 E** North (km): **2967.9 N**		
14. Emission Point Comment (limit to 200 characters): **This emission point subject to 62-296.310 FAC Rules and Regulations.**		

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment __1__ of __2__

1. Segment Description (Process/Fuel Type) (limit to 500 characters):		
Fugitive emissions from paved, unpaved roads and stockpiles (Material Handling) emissions related to silt content on roadways and vehicular traffic in facility. Worst case scenario.		
45. Source Classification Code (SCC): **3050204**	46. SCC Units: **Vehicle Miles Traveled**	
47. Maximum Hourly Rate: **NA**	48. Maximum Annual Rate: **NA**	6. Estimated Annual Activity Factor: **NA**
49. Maximum % Sulfur: **NA**	50. Maximum % Ash: **NA**	51. Million Btu per SCC Unit: **NA**
10. Segment Comment (limit to 200 characters): **FUGITIVE EMISSIONS CALCULATED AT WORST CASE SCENARIO**		

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type) (limit to 500 characters):		
2. Source Classification Code (SCC):	3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: **PM10, TSP**	2. Pollutant Regulatory Code: **EL**	
3. Primary Control Device Code: **099**	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control: **90.0%**
6. Potential Emissions: PM10 : **1.0 lb/hr, 1.67 ton/yr** TSP: **2.1** lb/hour **3.28** tons/year		7. Synthetically Limited? **[X] YES**
8. Emission Factor: **0.24 lb/VMT** Reference: **AP-42 (Section 13.2.1.1) unpaved roads**		52. Emissions Method Code: **3**

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

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

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

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

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

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

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

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 = **1.0 lb/hr, 1.67 ton/hr** TSP = **2.10** lb/hour, **3.28** tons/year

5. Method of Compliance (limit to 60 characters): **Compliance will be achieved through initial and annual emissions compliance testing. Watering of roadways and stockpiles will be performed as to control fugitive emissions at all locations.**

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

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

Visible Emissions Limitation: Visible Emissions Limitation ___1___ of ___1___

1. Visible Emissions Subtype: **VE10**	2. Basis for Allowable Opacity: [X] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **10** % Exceptional Conditions: **10** % Maximum Period of Excess Opacity Allowed: **NONE** min/hour	
4. Method of Compliance: **EPA METHOD 9**	
5. Visible Emissions Comment (limit to 200 characters): **Regulated under 62-296.320**	

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

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	[ ] Rule [ ] Other
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters): **NOT APPLICABLE**	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Process Flow Diagram [**X**] Attached, Document ID:__**III**____ [ ] Not Applicable [ ] Waiver Requested
2. Fuel Analysis or Specification [**X**] Attached, Document ID:__**V**____ [ ] Not Applicable [ ] Waiver Requested **Can be found in initial compliance test.**
3. Detailed Description of Control Equipment [**X**] Attached, Document ID:__**VI**_____ [ ] Not Applicable [ ] Waiver Requested
4. Description of Stack Sampling Facilities [ ] Attached, Document ID:_____ [**X**] Not Applicable [ ] Waiver Requested
5. Compliance Test Report [ ] Attached, Document ID:_____ [ ] Previously submitted, Date:_____ [ ] Not Applicable
6. Procedures for Startup and Shutdown [ ] Attached, Document ID:_____ [**X**] Not Applicable [ ] Waiver Requested
7. Operation and Maintenance Plan [ ] Attached, Document ID:_____ [**X**] Not Applicable [ ] Waiver Requested
8. Supplemental Information for Construction Permit Application [**X**] Attached, Document ID:__**V**____[ ] Not Applicable
9. Other Information Required by Rule or Statute [ ] Attached, Document ID:_____ [ ] Not Applicable
10. Supplemental Requirements Comment:

EMISSIONS ID. NO. 005

FUGITIVES FROM STOCKPILES & CONVEYOR DROP POINTS

III. EMISSIONS UNIT INFORMATION

FUGITIVE EMISSIONS FROM AGGREGATE HANDLING

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

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in This Section: (Check one)

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

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

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

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

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

3. Emissions Unit Identification Number: ID: **005**		[ ] No ID [ ] ID Unknown
19. Emissions Unit Status Code: **NA**	20. Initial Startup Date: **ASAP**	21. Emissions Unit Major Group SIC Code: **2951**

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

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

Emissions Unit Control Equipment

17. 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:

13. Requested Maximum Operating Schedule:

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

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

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

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? **005 – Conveyor Drops, Loader Operations**		18. 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**		
19. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: **NOT APPLICABLE**		
20. Discharge Type Code: **F**	6. Stack Height: **~ 0.0** feet	7. Exit Diameter: **Not Determinable** feet
8. Exit Temperature: **~Ambient** °F	9. Actual Volumetric Flow Rate: **Unknown**	10. Water Vapor: **~5** %
11. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: feet
13. Emission Point UTM Coordinates: **(@ present location. UTM's for other locations have not been determined as of yet)** Zone: **17** East (km): **488.9 E** North (km): **2967.9 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 ___5___ of __5____

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment ___1__ of __2___

1. Segment Description (Process/Fuel Type) (limit to 500 characters): **Fugitive emissions from aggregate stockpiles and conveyor belts (Material Handling) emissions related to fugitives from conveyor belt drops and from aggregate storage piles from prevailing winds.**		
55. Source Classification Code (SCC): **3050207, 3050205**	56. SCC Units: **Area of stockpiles / tons of products**	
57. Maximum Hourly Rate: **NA**	58. Maximum Annual Rate: **NA**	6. Estimated Annual Activity Factor: **NA**
59. Maximum % Sulfur: **NA**	60. Maximum % Ash: **NA**	61. Million Btu per SCC Unit: **NA**
10. Segment Comment (limit to 200 characters): **FUGITIVE EMISSIONS CALCULATED AT WORST CASE SCENARIO**		

Segment Description and Rate: Segment _____ of _____

1. Segment Description (Process/Fuel Type) (limit to 500 characters):		
2. Source Classification Code (SCC):	3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

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

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

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

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

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

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

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

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

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

Allowable Emissions Allowable Emissions ___**1**___ of __**7**____

12. Basis for Allowable Emissions Code: **RULE**	2. Future Effective Date of Allowable Emissions: **NA**
13. Requested Allowable Emissions and Units: **<10% Opacity**	14. Equivalent Allowable Emissions: PM10: **0.20 lb/hr, 0.41 ton/hr** TSP = **0.42 lb/hr, 0.86 ton/yr**

5. Method of Compliance (limit to 60 characters): **Compliance will be achieved through initial and annual emissions compliance testing. Watering of stockpiles will be performed as to control fugitive emissions at all sites.**

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

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

Visible Emissions Limitation: Visible Emissions Limitation __1__ of __1__

1. Visible Emissions Subtype: **VE10**	2. Basis for Allowable Opacity: [X] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: **10 %** Exceptional Conditions: **10 %** Maximum Period of Excess Opacity Allowed: **NONE** min/hour	
4. Method of Compliance: **EPA METHOD 9**	
5. Visible Emissions Comment (limit to 200 characters): **Regulated under 62-296.320**	

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

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	[ ] Rule [ ] Other
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters): **NOT APPLICABLE**	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Process Flow Diagram [**X**] Attached, Document ID:__**III**____[ ] Not Applicable [ ] Waiver Requested
2. Fuel Analysis or Specification [**X**] Attached, Document ID:__**V**____ [ ] Not Applicable [ ] Waiver Requested **Can be found in initial compliance test.**
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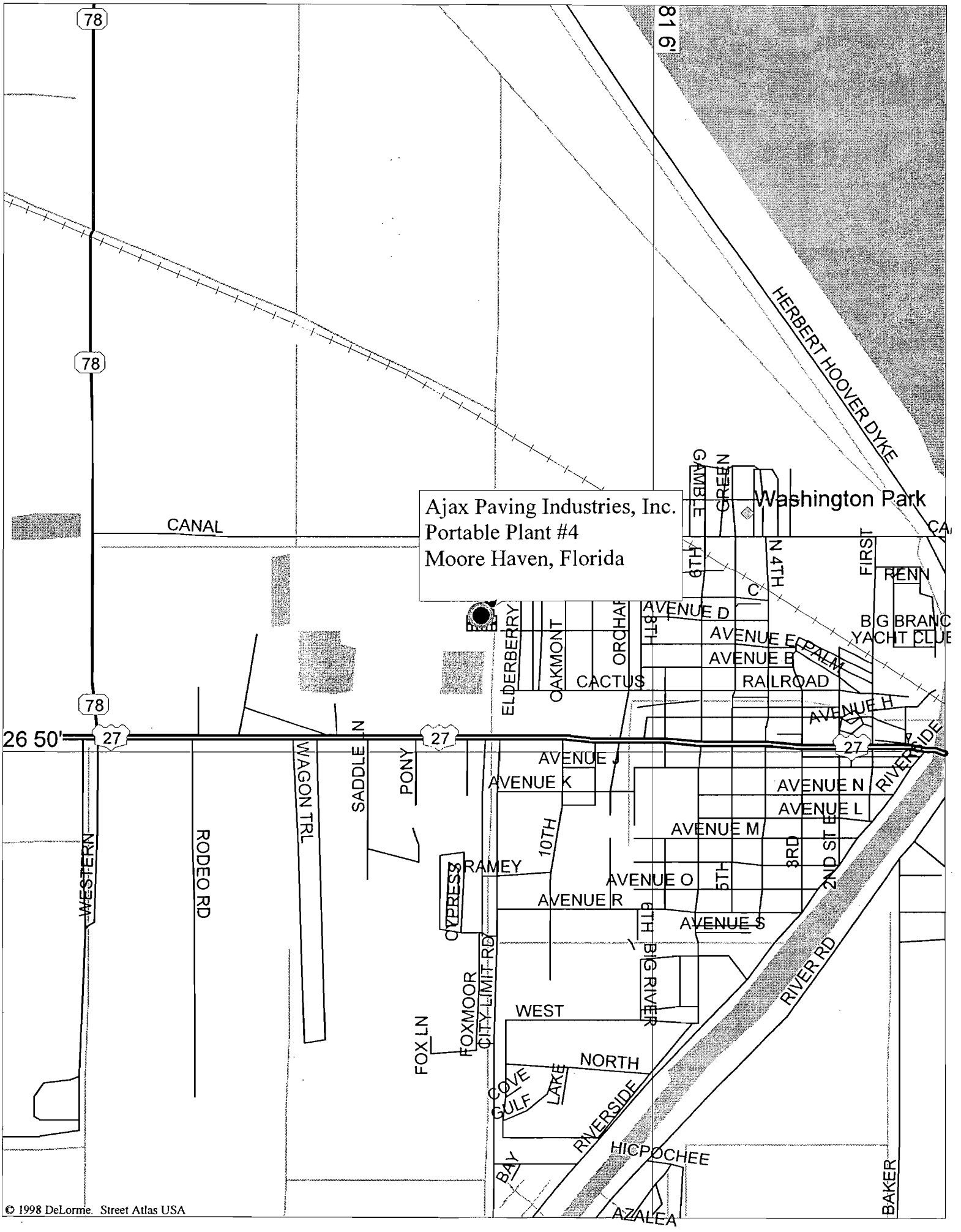
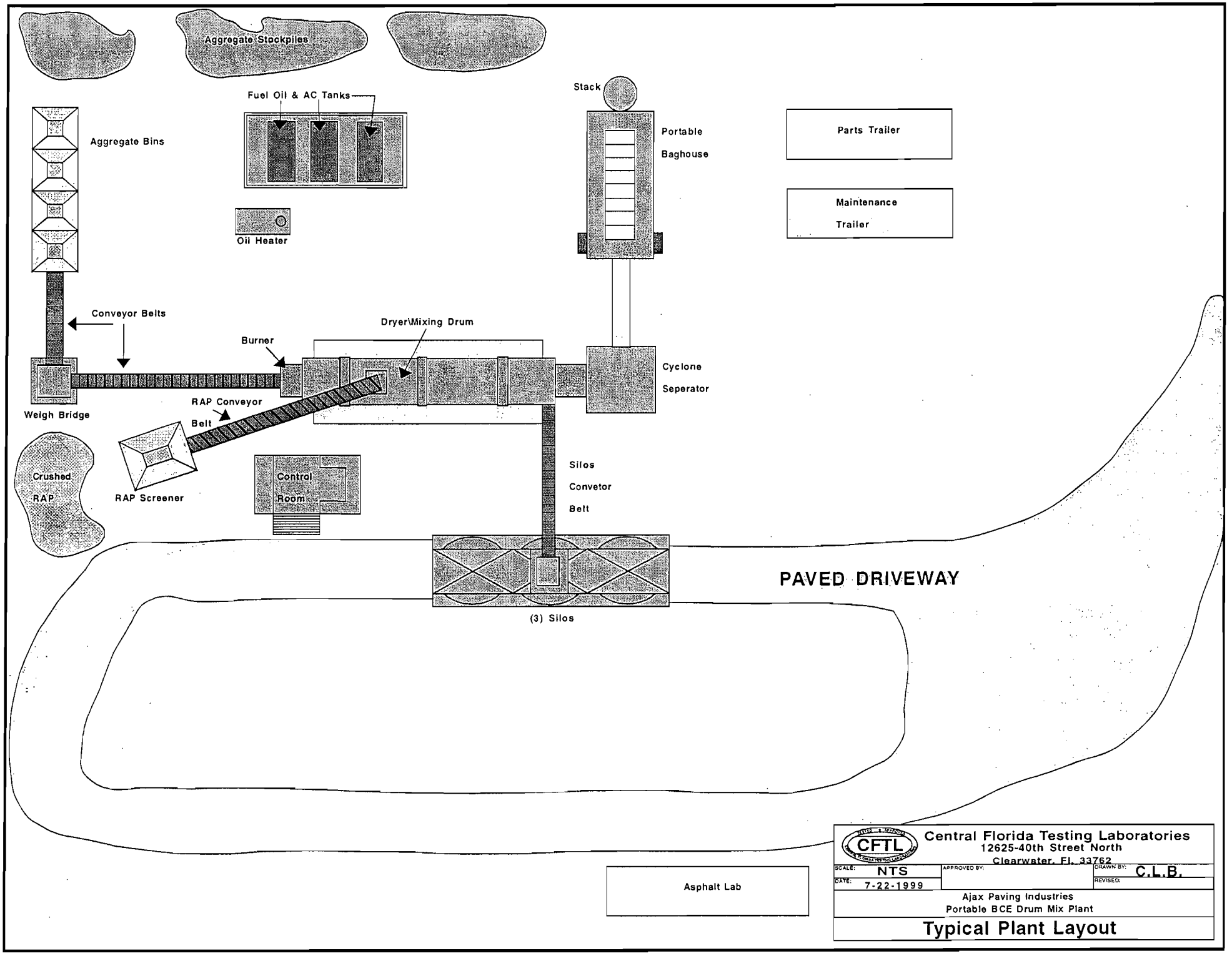
7. Operation and Maintenance Plan [ ] Attached, Document ID:_____ [**X**] Not Applicable [ ] Waiver Requested
8. Supplemental Information for Construction Permit Application [**X**] Attached, Document ID:___**V**____[ ] Not Applicable
9. Other Information Required by Rule or Statute [ ] Attached, Document ID:_____ [ ] Not Applicable
10. Supplemental Requirements Comment:

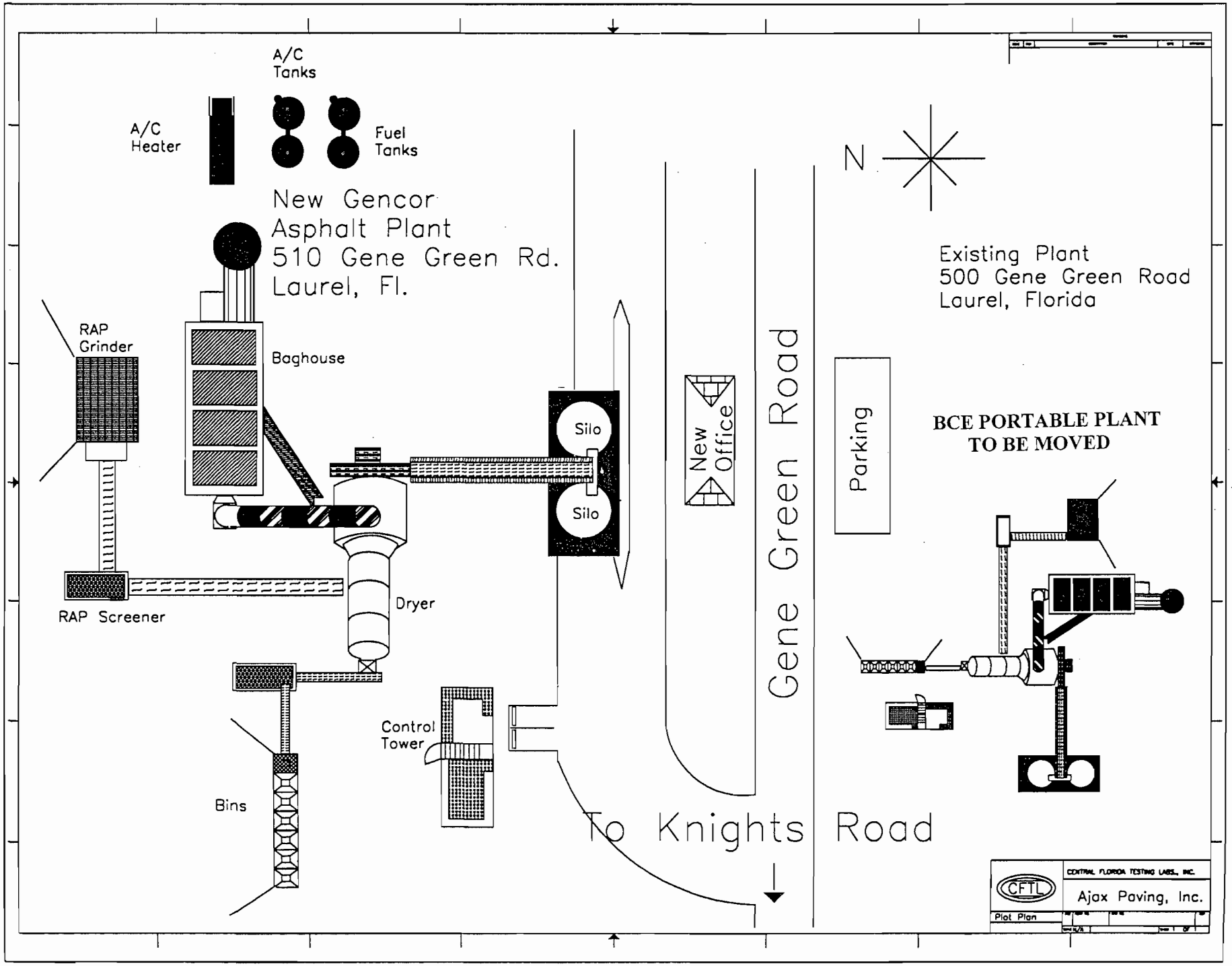
TABLE OF CONTENTS

I. FACILITY LOCATION

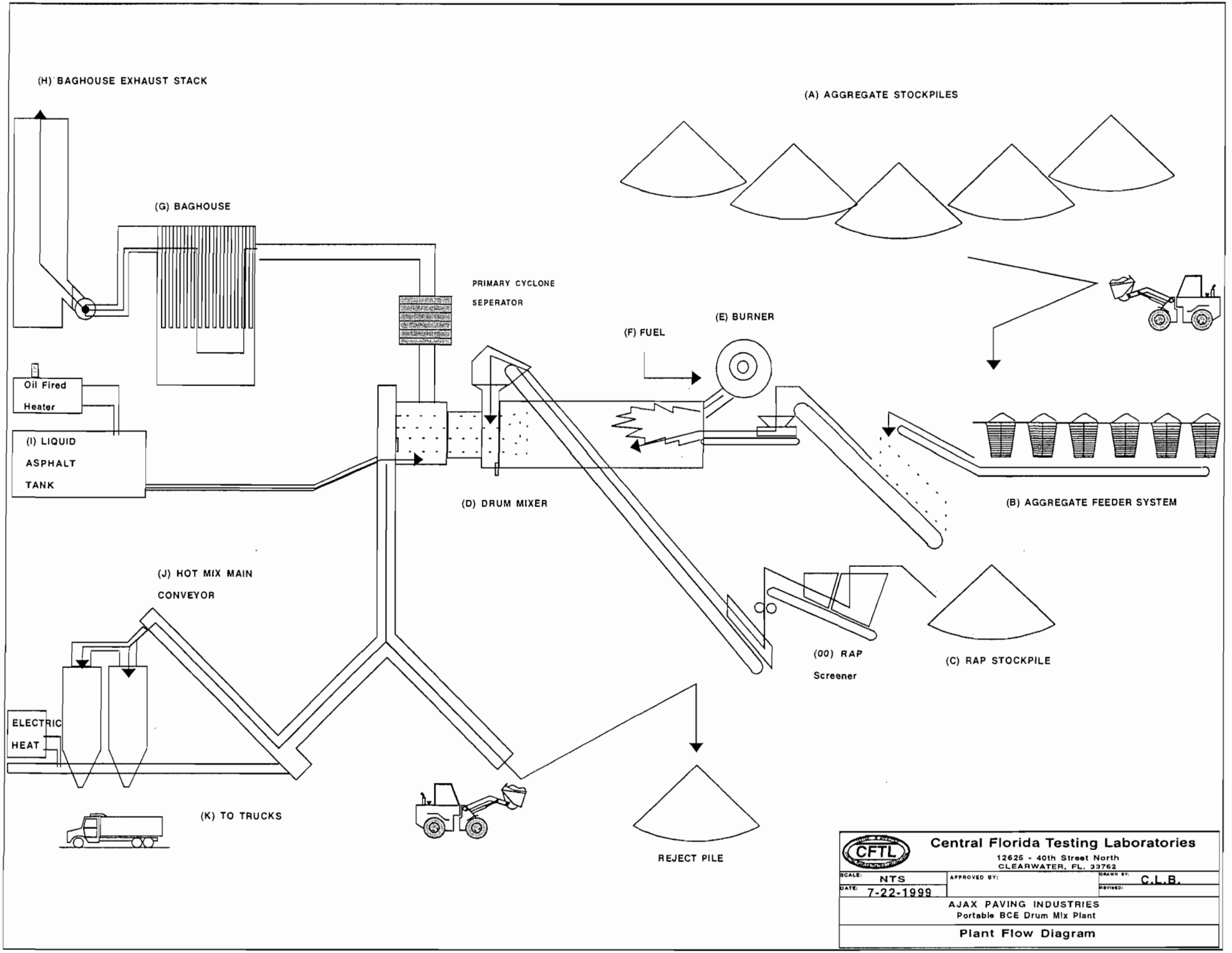

Ajax Paving Industries, Inc.
Portable Plant #4
Moore Haven, Florida
78
78
78
27
27
27
26 50'
CANAL
HERBERT HOOVER DYKE
Washington Park
GAMBLE
GREEN
4TH
N 4TH
C
FIRST
RENN
AVENUE D
AVENUE E
AVENUE B
PALM
RAILROAD
AVENUE H
B G BRANC
YACHT CLUE
ELDERBERRY
OAKMONT
ORCHAR
8TH
CACTUS
AVENUE J
AVENUE K
AVENUE N
AVENUE L
AVENUE M
AVENUE O
AVENUE R
AVENUE S
RIVERSIDE
WAGON TRL
SADDLE N
PONY
WESTERN
RODEO RD
RAMEY
CYPRESS
10TH
3RD
5TH
6TH
2ND ST E
BIG RIVER
RIVER RD
FOXMOOR
CITY LIMIT RD
FOX LN
WEST
NORTH
COVE
GULF
LAKE
RIVERSIDE
HICPOCHEE
BAY
AZALEA
BAKER
© 1998 DeLorme. Street Atlas USA

II. SITE PLAN


Aggregate Stockpiles
Fuel Oil & AC Tanks
Stack
Aggregate Bins
Portable
Baghouse
Parts Trailer
Oil Heater
Maintenance
Trailer
Conveyor Belts
Dryer\Mixing Drum
Burner
Cyclone
Seperator
RAP Conveyor
Belt
Weigh Bridge
Crushed
RAP
RAP Screener
Control
Room
Silos
Convetor
Belt
PAVED DRIVEWAY
(3) Silos
Asphalt Lab
Central Florida Testing Laboratories
12625-40th Street North
Clearwater, Fl. 33762
SCALE: NTS
APPROVED BY:
DRAWN BY: C.L.B.
DATE: 7-22-1999
REVISED:
Ajax Paving Industries
Portable BCE Drum Mix Plant
Typical Plant Layout


A/C
Tanks
A/C
Heater
Fuel
Tanks
New Gencor
Asphalt Plant
510 Gene Green Rd.
Laurel, Fl.
N
Existing Plant
500 Gene Green Road
Laurel, Florida
RAP
Grinder
Baghouse
Silo
Silo
New
Office
Parking
BCE PORTABLE PLANT
TO BE MOVED
Gene Green Road
RAP Screener
Dryer
Control
Tower
Bins
To Knights Road
CFTL
CENTRAL FLORIDA TESTING LABS., INC.
Ajax Paving, Inc.
Plot Plan

III. FLOW DIAGRAM



CFTL	**Central Florida Testing Laboratories**
	12625 - 40th Street North
	CLEARWATER, FL. 33762
SCALE: NTS	APPROVED BY:
DRAWN BY: C.L.B.	
DATE: 7-22-1999	REVISED:

AJAX PAVING INDUSTRIES

Portable BCE Drum Mix Plant

Plant Flow Diagram

IV. UNCONFINED EMISSIONS

FUGITIVE EMISSION CONTROL

Precautions to control and prevent fugitive emissions will be accomplished at the sites which this asphalt plant will be located in several manners. Any stockpiles at this location or any other location will be kept dampened by sprinkler 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 sprinkler system on an as needed basis to control fugitive emissions.

V. SUPPLEMENTAL INFORMATION

HOWCO Environmental Services

RECEIVED
AUG 12 1998
PLANT # 2

Manifest #: 214728

CERTIFICATE OF ANALYSIS

TO: AJAX PAVING - Plant 2
FT. MYERS, FL.

FROM: HOWCO ENVIRONMENTAL SERVICES
843 43RD ST. SOUTH
ST. PETERSBURG, FL 33711

PHONE: 1-800-435-8467
DISPATCH: 1-800-872-6715

Typical Analysis

SAMPLE TYPE: FUEL OIL #5
BATCH : 1115, TANK- 125
DATE : August 12, 1998

PARAMETER	CONCENTRATION	UNIT	TEST METHOD
ARSENIC	< 1	PPM	EPASW-846(3050-7061)
CADMIUM	0.4	PPM	EPASW-846(3040-7130)
CHROMIUM	1.8	PPM	EPASW-846(3040-7190)
LEAD	72	PPM	EPASW-846(3040-7420)
SULFUR	0.47	%	ASTM D4294
FLASHPOINT (PMCC)	120	°F	ASTM D93
TOTAL HALOGENS	707	PPM	EPA SW-846 (9075)
SEDIMENT	0.4	%	ASTM D96
VISCOSITY, SAYBOLT	196/100	SSU/°F	ASTM D445
WATER	0.7	%	ASTM D95
API GRAVITY	29.2	60°F	ASTM D287
HEAT OF COMBUSTION	139K	BTU/GAL.	ASTM D240
SPECIFIC GRAVITY	0.8805	60°F	ASTM D1298
PCB'S	< 2	PPM	EPA SW-846 (8080)

Arsenic and PCB testing are performed on a monthly basis.
All analysis were performed in accordance with EPA, ASTM or other FDER approved procedures.

Quality Assurance Officer

REMARKS: 7.285 lbs/gallon

3701 Central Avenue - St. Petersburg, FL 33713 - Tel. 813-327-8467 Fax: 813-321-6213
Operations: Tampa Bay - Ocala - Ft. Myers - 24-Hour Emergency Access 1-800-435-8467

PALMETTO, FL 34221
(941) 723-2263
ASTM MEMBER

REPORT OF LABORATORY ANALYSIS

LAB NO. ML 8504 SAMPLE MARKED: STK 407 after "Mekhanik Yuriya

SAMPLE DATE: 10-27-98 REPORT DATE: 10-27-98

LOCATION: Coastal Refining&Marketing Inc.-Port Manatee

SAMPLE SUBMITTED BY: Intertek Caleb Brett

SAMPLE DESCRIPTION: DIESEL HIGH SULFUR No. 2 Virgin

Typical Analysis

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

BY Marie Calhoon
MARIE F. CALHOON, CHEMIST

VI. CONTROL EQUIPMENT

AJAX PAVING INDUSTRIES, INC.

250 TPH – PORTABLE DRUM MIX ASPHALT PLANT

PORTABLE BCE MODEL 400 BAGHOUSE SYSTEM

OPERATING PARAMETERS

GAS FLOW RATE :	**66,000 ACFM**
STACK DIMENSIONS:	**48" diameter**
GAS STREAM VELOCITY:	**68.8 FT/SEC**
BAGHOUSE PRESSURE DROP :	**3.0 – 4.0 " Hg**
BAG MATERIAL :	**NOMEX (SPUN)**
GAS EXIT TEMPERATURE :	**300 °F**
AIR TO CLOTH RATIO :	**5.7 to 1**
STACK HEIGHT :	**30 FEET**
BAG CLEANING MECHANISM :	**REVERSE PULSE**
CLEANING FREQUENCY :	**10 SECONDS**
CLEANING DURATION :	**1/10th SECOND**
EFFICIENCY RATING :	**99.9 %**

PURCHASER'S NAME	QUOTATION NUMBER	DATE
	001636	July 15, 1985

ITEM NO.	QUANTITY	BCE PART/ MODEL NO.	DESCRIPTION	PRICE
6	1	BCE400	PORTABLE BAGHOUSE, 66,000 CFM	$282,000.

Cloth area: 11,580 sq. ft.
Air/cloth ratio: 5.7:1
Exhaust fan capacity: 66 MCF

Standard equipment includes:

A. 100% Nomex bags with snap band bag top
B. Cage with rolled flange top and built-in venturi
C. 40 HP 160 ACFM Sullair single stage air compressor in acoustically lined enclosure-mounted on trailer frame
D. High efficiency backward curved exhaust fan complete with 200 HP drive and exhaust stack-includes use of BCE provided stack for testing purposes
E. 30 HP 12 PSI Schwitzer blower-4" dia. air line with AR steel elbows
F. Drop through air lock with 1 HP A.C. drive
G. The following safety controls are furnished as standard equipment:
   1) Thermocouple is mounted in the doughnut duct section and is designed with two adjustable temperature limits.

      If exhaust temperature reaches the first high limit, the burner will automatically go to low fire and a warning light will come on at the operator's control station.

      If the exhaust temperature reaches the second high limit, fuel to the burner will be automatically shut off and an alarm will sound at the operator's control panel.

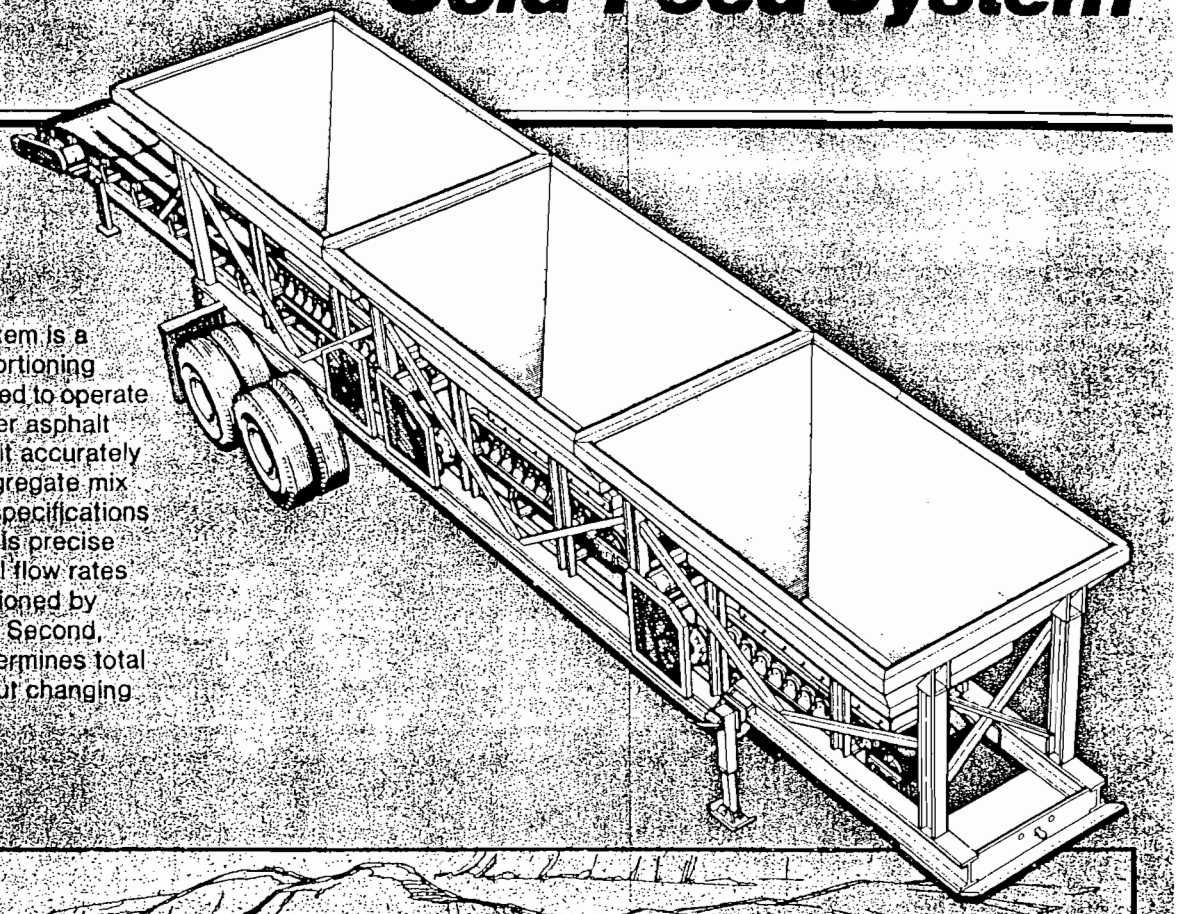
   2) The baghouse is also furnished with an infra-red fire detection system which is installed in the inlet section of the doughnut ductwork. This device will detect any spark or material that is on fire as well as detecting a fire in the baghouse. The fire detection system is designed to detect the source of fire on a timely basis and will automatically shut off the fan and close the fire door when activated.

PURCHASER'S NAME	QUOTATION NUMBER	DATE
	001636	July 15, 1985

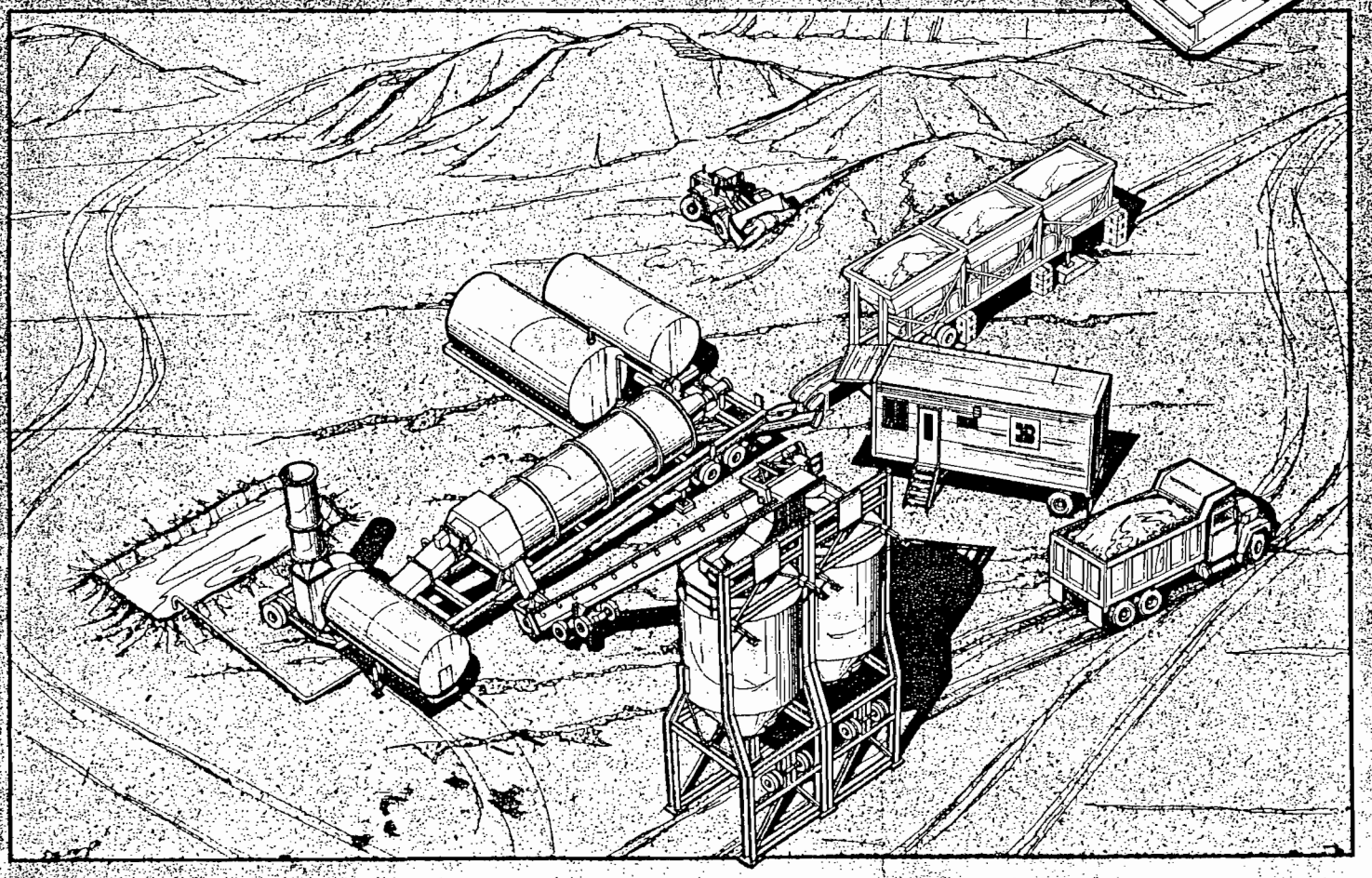
ITEM NO.	QUANTITY	BCE PART/ MODEL NO.	DESCRIPTION	PRICE
6		cont'd	3) The doughnut ductwork is furnished with an air-actuated fire door which opens each time the fan is started and closes each time the fan is shut down. It will also close upon signal from the infra-red fire detection system as noted above. The fire door is designed to operate on a daily basis, thus establishing reliability if ever required. Some competitive systems are electrically actuated and will fail to operate in an emergency if power is shut off. Field reports also indicate fire doors designed to operate only when there is an emergency often fail to operate when an emergency actually happens due to buildup on the door or other mechanical problems. H. Starting gear in a Nema 4 enclosure mounted on trailer frame I. Portability package complete with 5th wheel attachment, air brakes, taillights, and turn signals-Dayton style wheels with 10:00 by 20 tires J. Complete operating controls and electrical cables-S.O. type	

Bituma Construction Equipment Company

Cold-Feed System



The Bituma cold-feed system is a complete aggregate proportioning system, specifically designed to operate with the Bituma drum mixer asphalt plant. This field-proven unit accurately produces a controlled aggregate mix over a wide range of mix specifications and flow rates. Operation is precise yet simple. First, individual flow rates from each bin are proportioned by individual feeder controls. Second, a master feed control determines total aggregate flow rate without changing desired proportions.



System Design

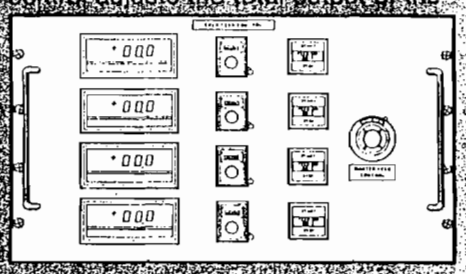
Operation

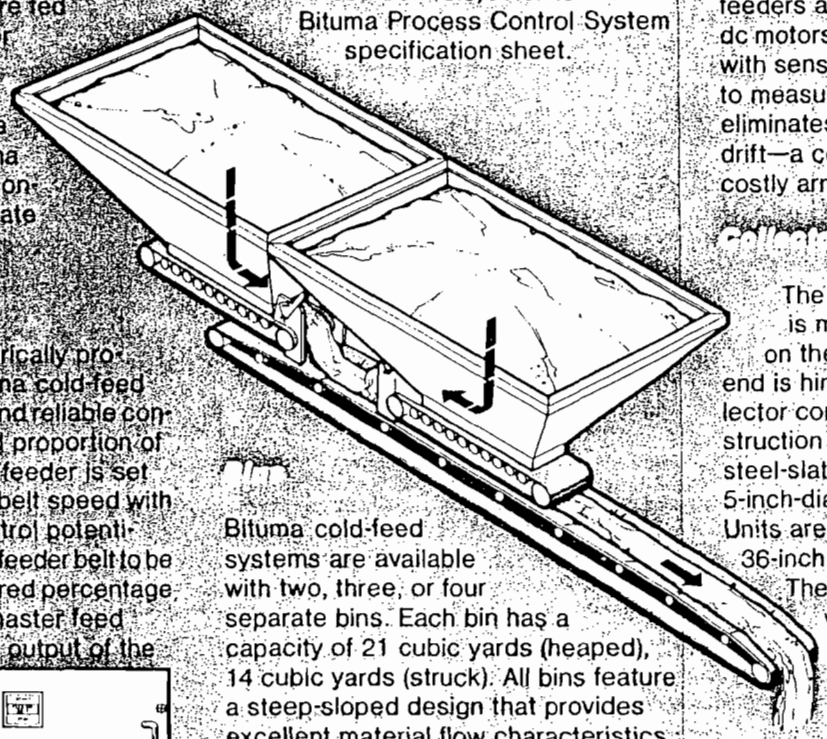
Various aggregates are loaded into the feed bins. Material travels from each bin on independent, variable-speed feeder belts. Tonnage output from each feed bin is proportional to feeder-belt speed. Aggregates from the individual feeder belts are fed onto a common collector conveyor. The collector conveyor transfers the combined aggregate mix directly to the Bituma drum mixer underfeed conveyor or to an intermediate transfer conveyor.

Controls

Aggregates are volumetrically proportioned from the Bituma cold-feed system by an accurate and reliable control system. The desired proportion of material flow from each feeder is set by adjusting the feeder-belt speed with an individual feeder control potentiometer. This allows each feeder belt to be preset to run at any desired percentage of maximum output. A master feed control adjusts the total output of the cold-feed system and maintains the preset proportions of the individual feeder controls. Feeder speeds are displayed on digital rate meters.

For additional information on Bituma cold-feed controls, refer to the Bituma Process Control System specification sheet.





Bins

Bituma cold-feed systems are available with two, three, or four separate bins. Each bin has a capacity of 21 cubic yards (heaped), 14 cubic yards (struck). All bins feature a steep-sloped design that provides excellent material flow characteristics. Bin discharge openings are tapered to provide even material flow and to eliminate bridging. Adjustable gates allow accurate feed-bin output calibration. Large, 9- by 14-foot top-bin openings allow maximum top-loading area.

Feeders

Feeders are channel-frame construction with closely spaced 5-inch-diameter ball-bearing idlers, lagged-head pulley, and steel-slatted tail pulley. Units are standard with either a 24- or 30-inch belt with a vulcanized splice. These feeders are driven by variable-speed dc motors. The dc motors are equipped with sensitive feedback tachometers to measure feeder speed. This system eliminates any significant speed drift—a common problem with less costly armature feedback units.

Collector Conveyor

The collector conveyor assembly is mounted as an integral unit on the cold-feed chassis. The feed end is hinged for portability. The collector conveyor is channel-frame construction with a lagged-head pulley, a steel-slatted tail pulley, and heavy-duty, 5-inch-diameter ball-bearing idlers. Units are standard with either a 30- or 36-inch belt with a vulcanized splice. The conveyor is driven by a 460-volt, 3-phase, 60-Hz ac motor.

The collector feed end is either curved for installation with intermediate transfer conveyors or straight for use with an integral belt scale. When the Bituma cold-feed system is used with Bituma drum mixers that do not require an intermediate transfer conveyor, the weigh scale and belt-speed sensor are mounted as an integral part of the collector conveyor.

Specifications

Cold-feed model	Use with drum mixer model*	Number of bins	Feeder belt width (in)	Feeder (hp)	Collector belt width (in)	Collector (hp)	Collector type	Belt scale on collector
CFP2-2430	100 and 200	2	24	3.0	30	5.0	Straight	Yes
CFP3-2430	100, 200, and 300	3	24	3.0	30	5.0	Straight	Yes
CFP4-2430	100, 200, and 300	4	24	3.0	30	5.0	Straight	Yes
CFP3-2430CC	400	3	24	3.0	30	5.0	Curved	No
CFP4-2430CC	400	4	24	3.0	30	5.0	Curved	No
CFP3-3036CC	400 and 600	3	30	5.0	36	7.5	Curved	No
CFP4-3036CC	400 and 600	4	30	5.0	36	7.5	Curved	No

*Based on standard layout and configuration.

System Design

Portable Chassis

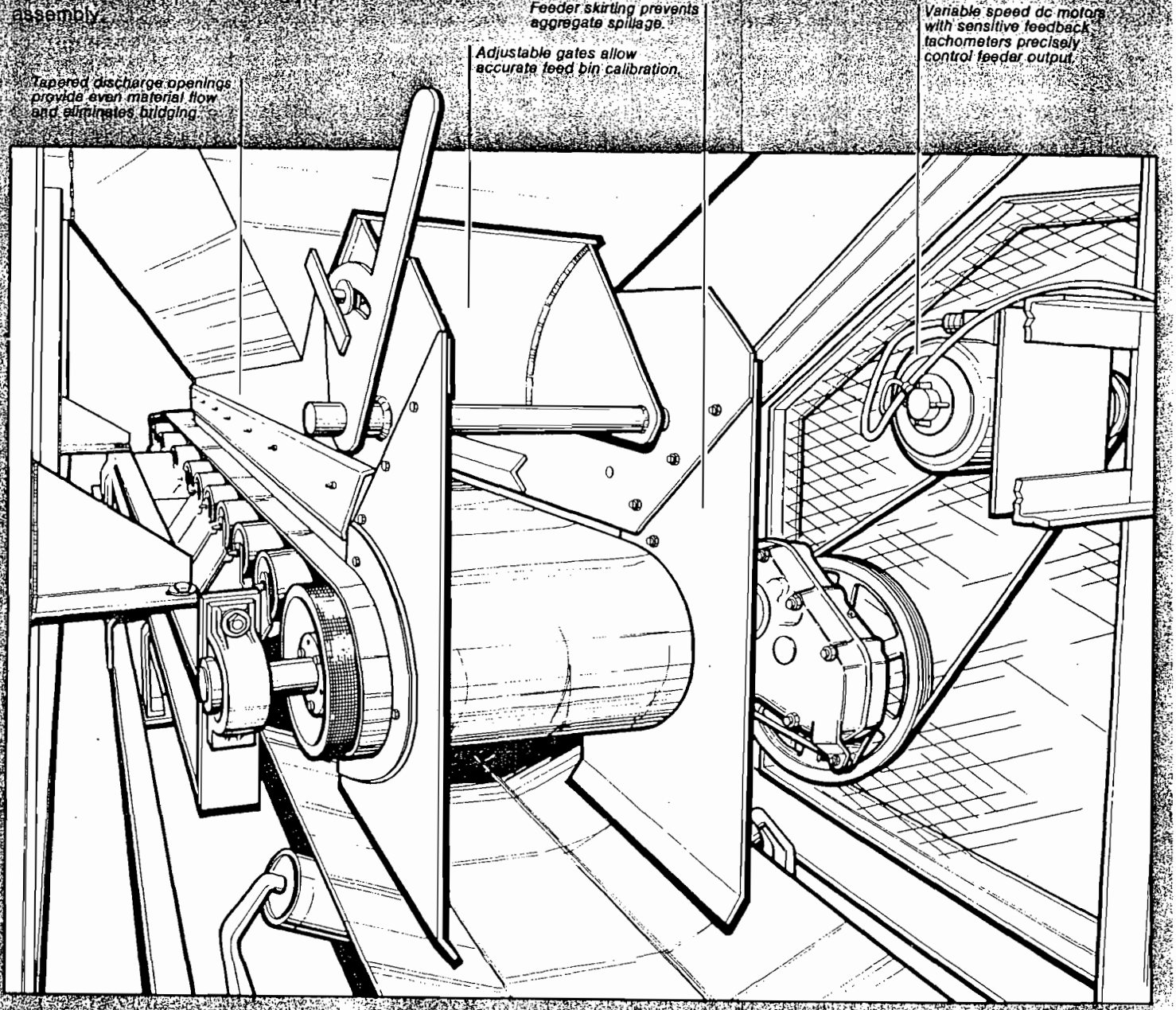
The chassis is constructed from heavy-duty structural steel and is equipped with a tandem-axle walking-beam suspension for three- and four-bin units and single-axle suspension for two-bin units. All equipment required for highway travel is included: fifth-wheel towing assembly, dual wheels with 10.00x20 12-ply tires, road-ready lighting, mudflaps, and landing jack assembly.

Stationary, Bolt-Together Bins

Bituma also offers large, stationary, 60-ton bolt-together bin assemblies with 14- by 14-foot top openings. Contact Bituma for application and additional information.

Aggregate Alarm System

An optional alarm system indicates loss of aggregate flow in each bin either by turning on a warning light, energizing an audible alarm, or shutting down all feed bins and stopping plant operation. An adjustable time delay is built in to prevent nuisance shutdowns or alarming.

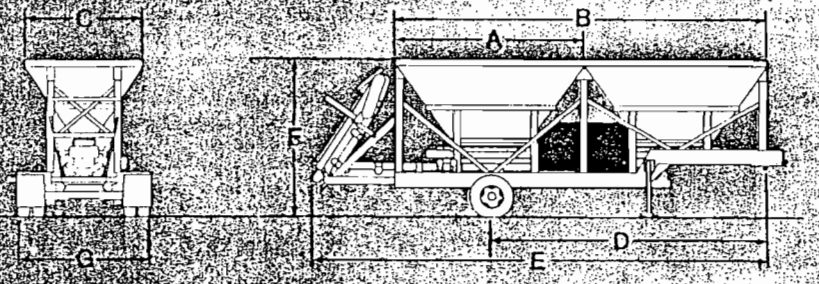


Dimensional Table and Schematics

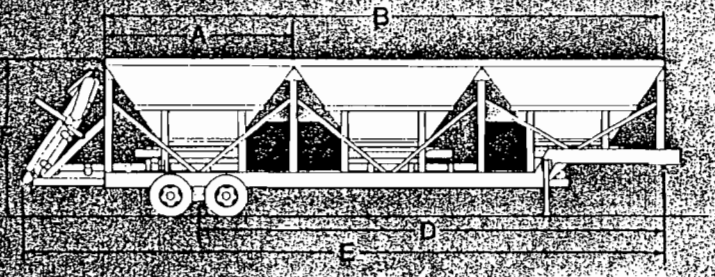
Dimensions

	Cold-feed model number	CFP2-	CFP3-	CFP4-
A	Single-bin width	14 ft, 0 in	14 ft, 0 in	14 ft, 0 in
B	Overall bin width	28 ft, 0 in	42 ft, 0 in	56 ft, 0 in
C	Bin depth	9 ft, 0 in	9 ft, 0 in	9 ft, 0 in
D	Kingpin to centerline of axle	21 ft, 0 in	35 ft, 3 in	49 ft, 5 in
E	Road length	34 ft, 7 in	56 ft, 0 in*	69 ft, 0 in*
F	Road height	11 ft, 7 in	11 ft, 11 in	11 ft, 11 in
G	Road width	10 ft, 0 in	10 ft, 0 in	10 ft, 0 in
Approximate weight		22,000 lb	29,000 lb	34,000 lb

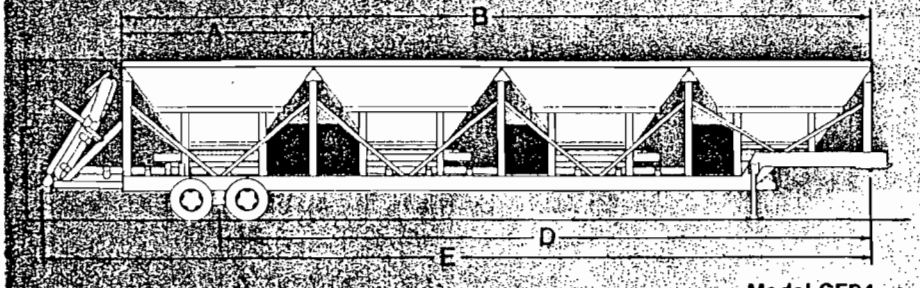
*Add 3 ft, 11 in for curved collector models.



Model CFP2-



Model CFP3-



Model CFP4-

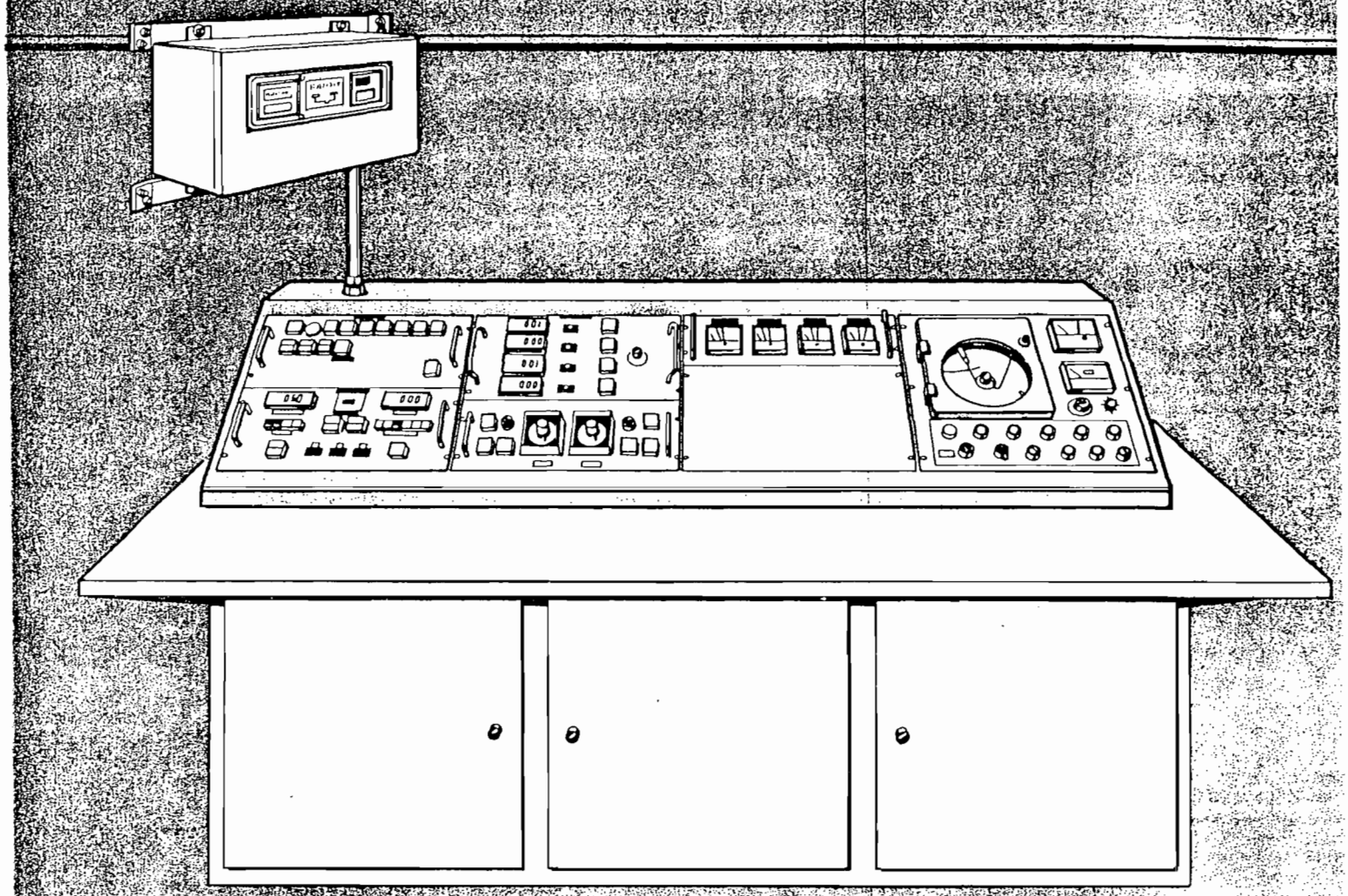
For further information write to:

Bituma Construction Equipment Company

730 Bluff Road
Marquette, Iowa 52158
Phone: 319-873-2227

Bituma Construction Equipment Company

Process Control System



The Bituma Drum Mixer Process Control System is designed and built to provide simple, accurate, and reliable plant process control.

The integrated Bituma Process Control System consists of three independent closed-loop control systems:

1. Aggregate proportioning system
2. Aggregate/asphalt blending system
3. Mix temperature control system

The ***aggregate proportioning system*** accurately feeds and proportions aggregate from individual cold feed bins by variable speed feeders. Constant proportions are automatically maintained over varying production rates.

The ***aggregate/asphalt blending system*** precisely weighs the aggregate, computes the correct amount of asphalt required, and meters the asphalt into the process.

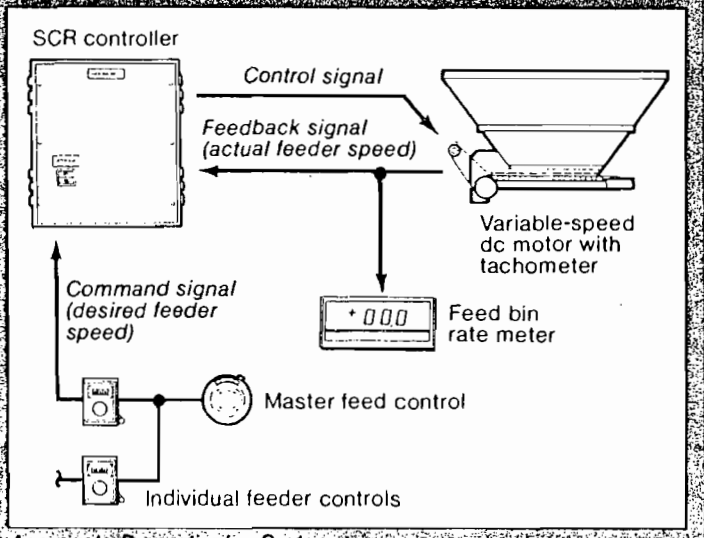
The ***mix temperature control system*** monitors the discharge temperature of mix and adjusts the burner to maintain a preset temperature.

Combined, these control systems provide simple, fully automatic drum mixer process control.

Integrated Control System

Aggregate Proportioning System

Aggregates are volumetrically proportioned by variable-speed feeder belts on the Bituma Cold Feed System. The output from each feed bin is proportional to the bin feeder belt speed (for example, a 10% belt-speed increase will cause the feeder output to increase by 10%). Actual weight is matched to the volumetric feed rate in the plant calibration process.



Aggregate Proportioning System

Feeder belt speed is controlled by a closed-loop control system consisting of an individual feeder speed control, a master feed control, a silicon-controlled rectifier (SCR) motor controller, a variable-speed dc motor, and a tachometer mounted on the dc motor shaft.

1. Desired feeder proportion is set by the operator on the individual feeder speed control potentiometers.
2. The operator adjusts the master feed control to vary the total plant production rate while maintaining the preset feeder proportions. The resulting command signal represents desired feeder speed.
3. The SCR controller processes the command signal and generates an output voltage (control signal) that controls the speed of the dc motor.
4. The dc motor is connected to an individual feeder belt assembly. When the dc motor speed is varied, the feeder belt speed is changed and the feeder output is increased or decreased.
5. The tachometer mounted on the dc motor shaft measures the actual motor speed and generates a feedback signal to the SCR controller and to a digital rate meter.
6. The SCR controller compares the command signal (desired feeder speed) to the feedback signal (actual feeder speed). If the signals are not equal (that is, actual speed does not equal desired speed), the SCR controller will modify the control signal to change the dc motor speed until the actual and desired feeder speeds are equal.

Aggregate/Asphalt Blending System

The aggregate/asphalt blending system consists of three subsystems:

1. Aggregate weighing
2. Asphalt pumping and metering
3. Aggregate/asphalt ratio control

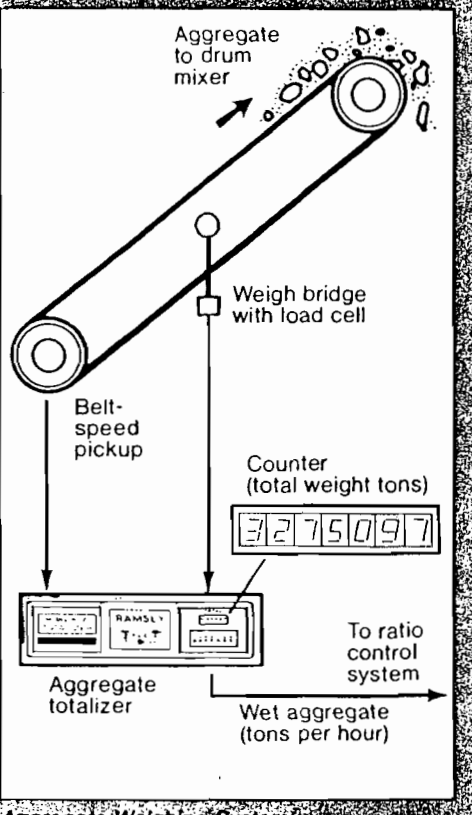
The aggregate weighing subsystem weighs the amount of aggregate fed from the cold feed into the drum mixer. The asphalt pumping and metering subsystem pumps and measures the liquid asphalt that is injected into the drum mixer. The aggregate/asphalt ratio control subsystem compares the amount of aggregate and asphalt going into the drum and automatically corrects the asphalt flow until the desired mix ratio is attained.

Aggregate Weighing

The amount of aggregate going into the drum mixer is weighed by a belt scale system consisting of a weigh bridge, a speed pickup device, and an aggregate totalizer.

The weigh bridge, mounted on a plant feed conveyor, senses the actual weight of aggregate being fed into the drum mixer. A speed pickup device, mounted on the tail pulley shaft, measures the scale conveyor belt speed. The weight and speed signals are multiplied in the aggregate totalizer to represent wet aggregate feed rate (wet tons per hour). The wet-tons-per-hour signal serves as the command signal to the aggregate/asphalt ratio control subsystem.

The totalizer integrates the aggregate feed-rate signal with time to yield total accumulated wet aggregate tons that have passed over the belt scale. Accumulated tons are displayed on the totalizer counter.



Aggregate Weighing System

Integrated Control System

Asphalt Pumping and Metering

The asphalt pumping and metering subsystem pumps and meters liquid asphalt into the drum mixer through a positive-displacement asphalt pump. The pump is characterized by a constant-volume output for each pump revolution. The exact pump output factor is determined during plant calibration.

The asphalt pump is driven by a variable-flow hydrostatic system, as follows:

1. A constant-speed ac motor direct-drives a variable-volume hydraulic pump.
2. The hydraulic pump output volume is controlled by a servo-position motor that receives a control signal from the ratio control subsystem (to be discussed later).
3. The hydraulic pump variable-output flow causes a hydraulic motor to change speed in proportion to the hydraulic pump output flow.
4. The hydraulic motor varies the speed of the asphalt pump through a direct drive shaft.
5. A dc tachometer, linked to the asphalt pump shaft, measures the speed of the asphalt pump. The tachometer transmits a feedback signal proportional to the asphalt feed rate to the ratio control subsystem.
6. A vane switch, coupled to the asphalt pump drive shaft, totalizes asphalt added to the process by counting revolutions of the asphalt pump only when asphalt is being injected into the drum. The signal is fed to an asphalt totalizer counter.

For special requirements, Bituma offers two types of auxiliary metering devices: a temperature-compensated, direct-reading asphalt meter or a flow-driven asphalt pump metering unit. For further details and application information, contact Bituma.

Ratio Control Panel

The Aggregate/Asphalt Blending System is controlled from the ratio control panel that is mounted in the main plant control console.

The digital *dry tons per hour* meter indicates the rate of dry aggregate going over the belt scale.

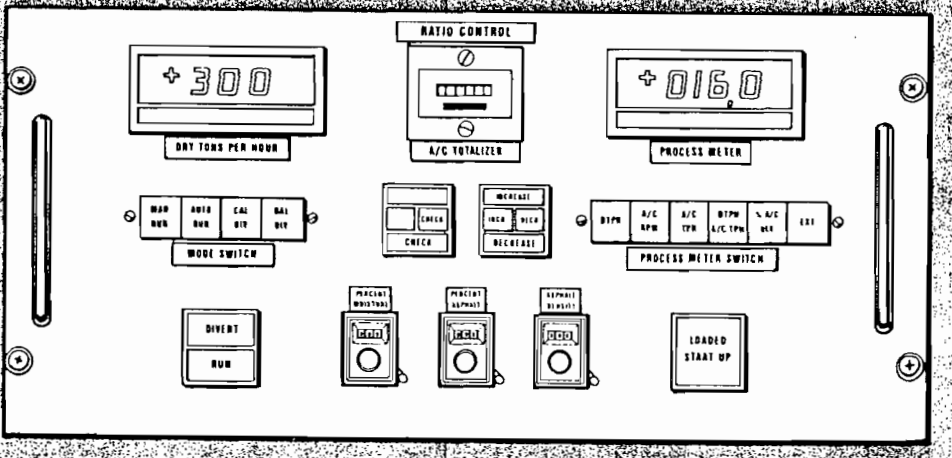
The digital *process meter* offers versatility for plant calibration, process variable checks, and control-system troubleshooting. By means of a selector switch, the *process meter* will indicate either (a) dry aggregate tons per hour (*DTPH*), (b) asphalt pump speed (*A/C RPM*), (c) asphalt tons per hour (*A/C TPH*) passing through the asphalt pump, (d) total process weight being produced by the plant (*DTPH + A/C TPH*), (e) percent asphalt deviation from set point (*% A/C DEV*), or (f) external dc voltage signal for troubleshooting (*EXT*).

The asphalt totalizer (*A/C totalizer*) indicates total asphalt pump revolutions while asphalt is being introduced into the drum mixer. When multiplied by the appropriate asphalt pump factor, the totalizer reading will represent total gallons or tons of asphalt used. For plant calibration, the *check* switch energizes the asphalt totalizer when asphalt is being diverted to the storage tank. The asphalt totalizer system can also be used to check the accuracy of the ratio control system.

The position of the *mode* switch determines if asphalt addition is to be controlled manually or automatically, or if the asphalt is to be diverted back to the storage tank. When operating in the manual mode, the *increase/decrease* switch controls the asphalt pump output. The *divert/run* indicator light indicates if asphalt is being injected into the drum mixer or diverted back to a storage tank.

The *percent moisture*, *percent asphalt*, and *asphalt density* potentiometers are preset by the plant operator. The moisture adjustment is used to convert the wet aggregate tons/hr signal, measured by belt scale system to dry aggregate tons/hr. The percent asphalt and asphalt density adjustments determine the amount of asphalt that is to be added for the appropriate aggregate feed rate.

The *loaded startup* button bypasses the asphalt start-time delay and allows asphalt to be immediately added to the mix when the feed conveyors are loaded on startup.



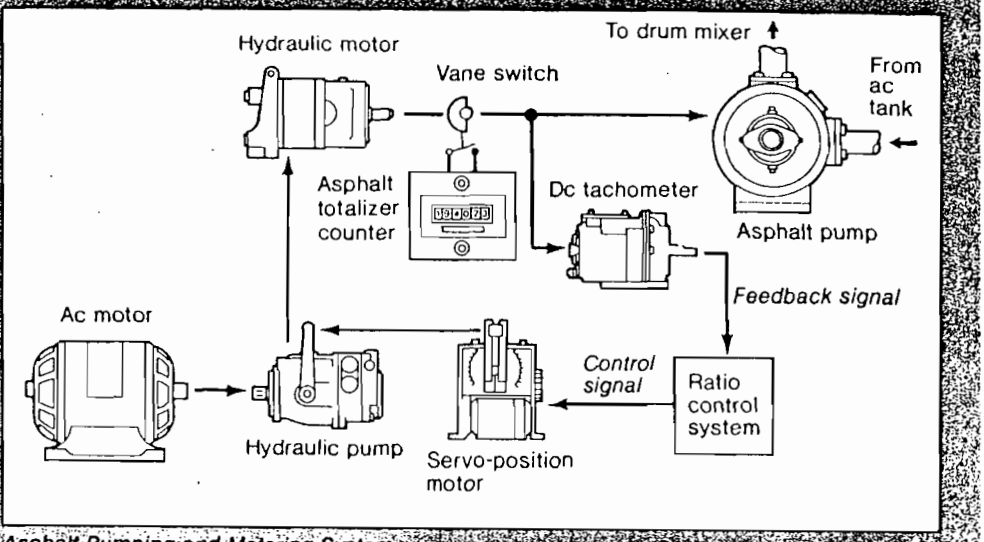
Asphalt Pumping and Metering

The asphalt pumping and metering subsystem pumps and meters liquid asphalt into the drum mixer through a positive-displacement asphalt pump. The pump is characterized by a constant volume output for each pump revolution. The exact pump output factor is determined during plant calibration.

The asphalt pump is driven by a variable-flow hydrostatic system, as follows:

1. A constant-speed ac motor direct-drives a variable-volume hydraulic pump.
2. The hydraulic pump output volume is controlled by a servo-position motor that receives a control signal from the ratio control subsystem (to be discussed later).
3. The hydraulic pump variable-output flow causes a hydraulic motor to change speed in proportion to the hydraulic pump output flow.
4. The hydraulic motor varies the speed of the asphalt pump through a direct drive shaft.
5. A dc tachometer, linked to the asphalt pump shaft, measures the speed of the asphalt pump. The tachometer transmits a feedback signal proportional to the asphalt feed rate to the ratio control subsystem.
6. A vane switch, coupled to the asphalt pump drive shaft, totalizes asphalt added to the process by counting revolutions of the asphalt pump only when asphalt is being injected into the drum. The signal is fed to an asphalt totalizer counter.

For special requirements, Bituma offers two types of auxiliary metering devices: a temperature-compensated, direct-reading asphalt meter or a flow-driven asphalt pump metering unit. For further details and application information, contact Bituma.



Asphalt Pumping and Metering System

Aggregate/Asphalt Ratio Control

The aggregate/asphalt ratio control subsystem maintains the proper ratio between the aggregate and asphalt feed rates. The ratio control system consists of two primary components: the ratio controller and the asphalt divert circuit.

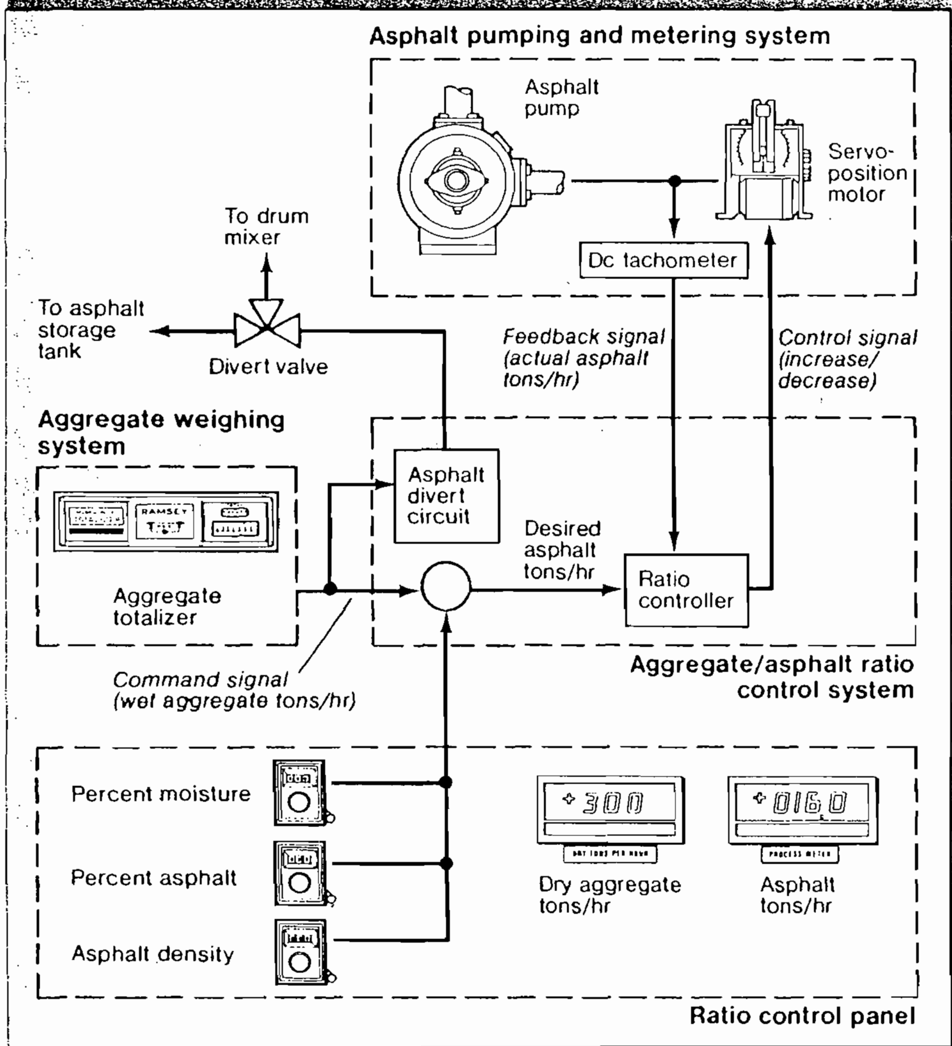
The aggregate/asphalt ratio control subsystem operates as follows:

1. The wet aggregate tons/hr command signal from the aggregate weighing subsystem is modified by a preset percent moisture compensation potentiometer to represent dry aggregate tons/hr. The dry aggregate tons/hr signal is displayed on a digital readout meter.
2. The plant operator sets the desired percent asphalt and the correct asphalt density on potentiometers in the control panel.
3. Based on the percent asphalt desired and the asphalt density input signals, the ratio control system calculates the amount of asphalt required for the amount of dry aggregate being processed. This signal is fed to the ratio controller.
4. The ratio controller controls the amount of asphalt added to the drum by generating an output voltage (control signal) to the servo-position motor in the asphalt pumping and metering subsystem.
6. The servo-position motor then changes the speed of the asphalt pump.
6. The speed of the asphalt pump, which is proportional to asphalt tons/hr, is measured by the dc tachometer. The tachometer generates a feedback signal that is transmitted to a digital display meter and to the ratio controller.
7. The ratio controller compares the command signal (desired asphalt pump speed) to the feedback signal (actual asphalt pump speed). If the signals are not equal (that is, actual speed does not equal desired speed), the ratio controller will modify the control signal to change the asphalt pump speed until the actual and desired pump speeds are equal.

Integrated Control System

he aggregate/asphalt ratio control
ystem also controls the timing of
sphalt addition into the drum mixer.

1. On startup, the belt scale in the aggregate weighing subsystem senses the presence of aggregate on the conveyor belt. The aggregate totalizer feeds a weight signal to the divert circuit.
2. An adjustable timer begins timing when a weight signal is detected by the divert circuit. After the aggregate has had enough time to reach the asphalt injection point in the drum mixer, the timer generates a signal to the divert valve to feed asphalt into the drum.
3. On plant shutdown, a second adjustable timer begins timing when the lack of a weight signal is detected by the divert circuit. After the aggregate has had enough time to reach the asphalt injection point, the second timer generates a signal to the divert valve to divert asphalt back to the asphalt storage tank.
4. If the divert valve does not operate within 5 seconds after it is commanded to divert to the storage tank, the divert circuit automatically stops the asphalt pump. This prevents unwanted asphalt from being pumped into the drum mixer.



sphalt/Aggregate Blending System

ggregate Weighing

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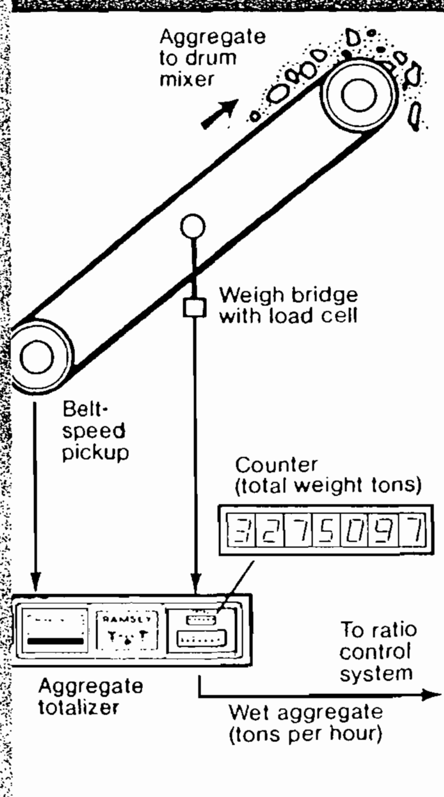


gregate Weighing System

Integrated Control System

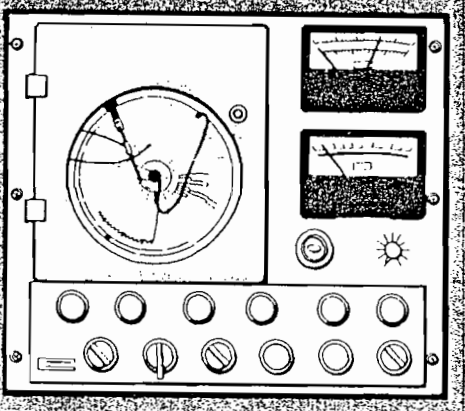
Burner Control System

The GenControl II Burner Control System is supplied as standard on all Bituma Model 200, 300, 400, and 600 Drum Mixers and as an option on the Model 100. The GenControl II is a closed-loop control system designed for use on drum mix asphalt plants. Because drum mix plants are parallel flow, a significant timelag exists between a burner firing rate change and the resultant mix temperature change. For this reason, the GenControl II features feed-forward control signals proportional to the aggregate feed rate and exit gas temperature in addition to the main control signal based on mix temperature. Any change in these three variables will cause the controller to increase or decrease the burner firing rate.

The GenControl II features an automatic startup sequence. When the burner controller is switched to main fire, the burner automatically opens to a preset position. When the mix approaches the mix temperature set point, the full automatic control system takes over.

Burner secondary air is controlled using a remotely controlled exhaust damper and a drum inlet pressure gage.

Safety features on the GenControl II include a drum-purge system, a flame safeguard, and high-mix and exhaust-gas temperature limits. To allow adequate drum purge time, the GenControl II delays burner firing 30 seconds after the exhaust fan and burner blower are started. The burner control system incorporates a flame safeguard system that monitors the burner flame condition and shuts off the fuel supply in cases of flame instability or failure. In the event of a sharp rise in exit gas temperature, the control system will switch the burner to low fire to prevent the exhaust gas system from overheating. If the mix exceeds a preset temperature limit, the controller will again turn the burner to low fire.



The GenControl II Burner control panel includes the following components:

- Mix temperature recorder
- Exhaust gas temperature meter
- Burner position indicator
- Startup positioner
- Auto/manual switch
- Low/main fire switch
- Mix temperature set point
- Status indication lights
- Manual open/close switch

A Genco-Geni Burner Control System is standard on the Bituma Model 100 Drum Mixer. The Genco-Geni Control System permits pushbutton ignition and indicating proportional control of the burner. Standard features include burner position indicator, aggregate temperature indicator, dryer, exit gas temperature indicator, and flameguard.

For further information write to:

Bituma Construction Equipment Company

730 Bluff Road
Marquette, Iowa 52158
Phone: 319-873-2431

a flex stress is put on the fabric, whether it is shaken, pulsed or blown upon with high pressure air. Unnecessary cleaning results in unnecessary wear and could shorten bag life by a significant degree.

Routine Shut-Down

At the end of the working day when the process is shut down, it is good practice to keep the cleaning mechanism system in operation for a few minutes to assure good removal of collected dust.

MAINTENANCE

Inspect the inside of the baghouse frequently. Perhaps as often as every one to four weeks. A high velocity stream of air loaded with abrasive material would wear holes in bags, much like a sandblaster, in practically no time if it were allowed to strike the bags directly. A common means of preventing direct impingement by particles onto bags is the use of a baffle plate just inside the inlet duct as shown in Figure 19. The baffle plate will wear out and must be inspected regularly. The one

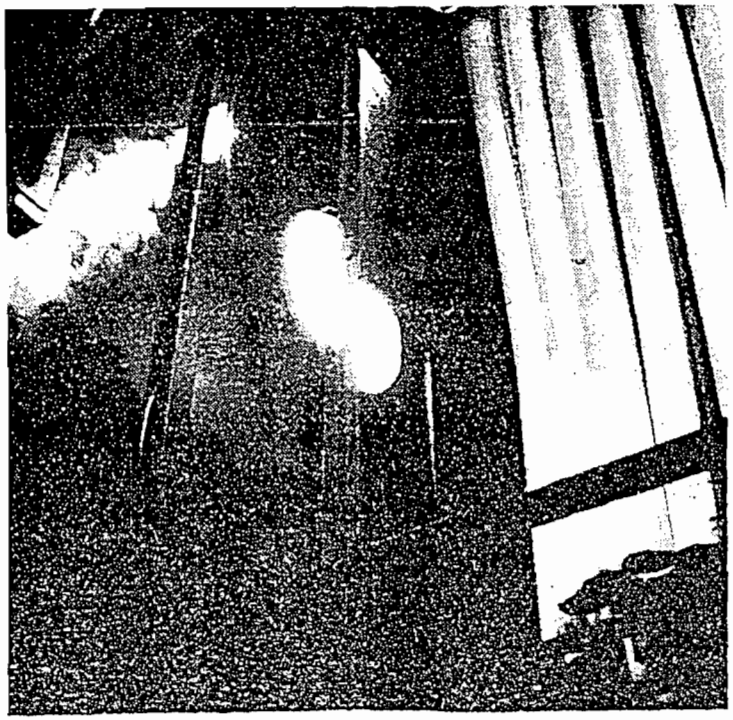


Figure 19. Battle plate inside baghouse entrance.

shown is made of replaceable abrasion-resistant metal plates that protect the baffle itself.

It is also essential to inspect the bags regularly. If there is a visible stack emission

(other than steam), there obviously is a leak somewhere and it is more than likely a damaged bag. On most baghouses, there is no simple way to find a damaged bag. Figure 20 shows a worker inspecting bags for damage. Sometimes (in the case of shaker and reverse flow baghouses), damaged bags are found by looking for dirt on the outside surfaces of bags that has been blown there by a hole in an adjoining bag. It is essential when inside a baghouse that the worker not carry any exposed tools in his pocket that could accidentally punch holes in the bags.

Shaker and reverse flow baghouses all must be entered to change a bag because bags are secured to the cell plate on the inside of the floor of the units. Since dirt is collected on the inside of the bags, the housing is the clean air plenum; so the outside of the bags should be relatively clean.

Because air flows from the inside to the outside of the bags, a damaged bag will cause the one next to it to become dirty on the outside. So, look for a concentration of dirt on a bag which will lead to the bag that is actually damaged. This makes looking for torn bags somewhat easier, but also creates another problem. The dirt

Figure 20. Inspecting shaker baghouse bags.

particles that escape through the damaged bag will eventually damage the adjoining bag they strike, and then that bag can damage another one – sort of a chain reaction. This means it is important to replace a torn bag as soon as possible.

If there are no spare bags available, it is possible to tie off the damaged bag upstream from the hole. Don't, however, neglect to replace the bag at the earliest opportunity.

Figure 21 shows how a double seal can be achieved by bringing the bag up over the lip in the tube sheet then folding it down over the middle. A clamp holds the bag in place. The venturi fits tightly on the inside of the tubesheet lip. The bag is tightly sealed between the venturi and the lip and on the outside between the outside of lip and the bag clamp. When installing a new bag, the bag should be tightly clamped into place first. Then the cage and venturi should be inserted and pressed down tightly into place.

A screw conveyor's hanger bearings will either be permanently lubricated or the type that require periodic lubrication. Eventually, the bearings probably will wear out. If manufacturer's recommendations are followed, the bearings will have a relatively long life; however, it is a fact that hanger bearings on a screw conveyor do wear out. Therefore, a program of regular inspection is of primary importance in this area.

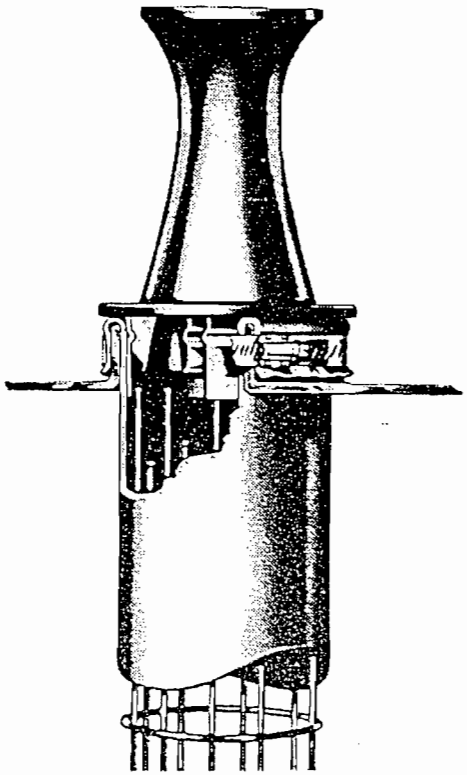


Figure 21. Double seal method of attaching bags.

If the maintenance department makes regular inspections and keeps records of wear characteristics, then it is possible to plan for maintenance – to pick a time to replace worn bearings before they break and cause a plant shutdown. This is true

for any component of the baghouse or for any piece of equipment. It is much more economical to replace a part before it breaks than to neglect it and suffer unplanned downtime.

The bags in the baghouse are the other item that will, eventually, wear out. There are a variety of types of bags with widely varied characteristics of withstanding heat, acids, etc. Bags should last from one to five years. But they can wear out quite a bit quicker or can last several more years, depending upon several factors, including the process, the type of bag, how well the baghouse cleans its bags, the type of cleaning mechanism, extremes of temperature, moisture and abrasiveness of particles in the air stream.

As already mentioned, dirty bags are better filters than clean bags – up to a point. Felted bags used in reverse pulse baghouses are not as dependent on a dust cake to achieve a high degree of efficiency. However, after a certain amount of dust buildup, their efficiency does increase. Woven bags, however, must have a dust cake to reach an acceptable efficiency level. The dust can build up only so far, though, before the bags must be cleaned.

Essentially, a baghouse is a fairly simple device that is highly efficient in filtering particulate matter from a polluted gas stream. And, baghouse design is progressing toward more efficient, more compact, simpler designs with few moving parts. Maintenance on this equipment is simple, probably easier than that on most other processing equipment, yet because it is simple, it is often neglected. As long as a baghouse is working, as long as the exhaust stack is clean, people tend to ignore it. Invariably, however, plants which have the fewest problems with their air pollution control equipment are those which have well-established, methodical maintenance schedules. If there is a problem, it usually is caught and remedied before it becomes serious. And their equipment usually functions at peak performance, operates economically and helps to keep the plant running steadily.

SAFETY

Observe all safety precautions when on top of or inside of a baghouse. Don't enter if there are noxious gases or high temperatures inside, and make sure the baghouse cannot be started accidentally when someone is inside. Be aware of atmospheres which could have insufficient oxygen. Watch out for explosive gases and/or dusts. Be sure handrails on top are secured in place and that hinged doors are properly chained.

TROUBLESHOOTING GUIDE

The following chart lists the most common problems which may be found in a baghouse air pollution control system and offers general solutions to the problems. There are a number of instances in which the solution is to consult the manufacturer. This may not be necessary in plants that have sufficient engineering know-how available.

Where the information applies to a specific type of baghouse, the following code is used:

RP..... Reverse Pulse
PP..... Plenum Pulse
S..... Shaker
RF..... Reverse Flow

Symptom	Cause	Remedy
High Baghouse Pressure Drop	Baghouse undersized	Consult manufacturer Install double bags Add more compartments or modules
	Bag cleaning mechanism not adjusted properly	Increase cleaning frequency Clean for longer duration Clean more vigorously
	Compressed air pressure too low (RP, PP)	Increase pressure Decrease duration and/or frequency Check dryer and clean if necessary Check for obstruction in piping
	Repressuring pressure too low (RF)	Speed up repressuring fan Check for leaks Check damper valve seals
	Shaking not strong enough (S)	Speed up shaker speed
	Isolation damper valves not closing (S, RF, PP)	Check linkage Check seals Check air supply of pneumatic operators
	Isolation damper valves not opening (S, RF, PP)	Check linkage Check air supply on pneumatic operators
	Bag tension too loose (S)	Tighten bags
	Pulsing valves failed (RP)	Check diaphragm Check pilot valves
	Cleaning timer failure	Check to see if timer is indexing to all contacts Check output on all terminals
	Not capable of removing dust from bags	Condensation on bags (see below) Send sample of dust to manufacturer Send bag to lab for analysis for blinding Dry clean or replace bags Reduce air flow
	Excessive re-entrainment of dust	Continuously empty hopper Clean rows of bags randomly, instead of sequentially (PP, RP)
	Incorrect pressure reading	Clean out pressure taps Check hoses for leaks Check for proper fluid in manometer Check diaphragm in guage
Low Fan Motor Amperage/Low Air Volume	High baghouse pressure drop	See above
	Fan and motor sheaves reverse	Check drawings and reverse sheaves
	Ducts plugged with dust	Clean out ducts and check duct velocities
	Fan damper closed	Open damper and lock in position
	System static pressure too high	Measure static on both sides of fan and review with design Duct velocity too high Duct design not proper
	Fan not operating per design	Check fan inlet configuration and be sure even air flow exists

(continued)

(continued)

Symptom	Cause	Remedy
	Belts slipping	Check tension and adjust
Dust Escaping At Source	Low air volume	See above
	Ducts leaking	Patch leaks so air does not by-pass source
	Improper duct balancing	Adjust blast gates in branch ducts
	Improper hood design	Close open areas around dust source Check for cross drafts that overcome suction Check for dust being thrown away from hood by belt, etc.
Dirty Discharge At Stack	Bags leaking	Replace bags Tie off bags and replace at later date Isolate leaking compartment if allowable without upsetting system
	Bag clamps not sealing	Check and tighten clamps Smooth out cloth under clamp and re-clamp
	Failure of seals in joints at clean/dirty air connection	Caulk or weld seams
	Insufficient filter cake	Allow more dust to build up on bags by cleaning less frequently Use a pre-coating of dust on bags (S, RF)
	Bags too porous	Send bag in for permeability test and review with manufacturer
Excessive Fan Wear	Fan handling too much dust	See above
	Improper fan	Check with fan manufacturer to see if fan is correct for application
	Fan speed too high	Check with manufacturer
Excessive Fan Vibration	Build-up of dust on blades	Clean off and check to see if fan is handling too much dust (see above) Do not allow any water in fan (check cap, look for condensation, etc.)

(continued)

Symptom	Cause	Remedy
	Wrong fan wheel for application	Check with manufacturer
	Sheaves not balanced	Have sheaves dynamically balanced
	Bearings worn	Replace bearings
High Compressed Air Consumption (RP, PP)	Cleaning cycle too frequent	Reduce cleaning cycle if possible
	Pulse too long	Reduce duration (after initial shock all other compressed air is wasted)
	Pressure too high	Reduce supply pressure if possible
	Damper valves not sealing (PP)	Check linkage Check seals
	Diaphragm valve failure	Check diaphragms and springs Check pilot valve
Reduced Compressed Air Pressure (RP, PP)	Compressed air consumption too high	See above
	Restrictions in piping	Check piping
	Dryer plugged	Replace dessicant or by-pass dryer if allowed
	Supply line too small	Consult design
	Compressor worn	Replace rings
Premature Bag Failure – Decomposition	Bag material improper for chemical composition of gas or dust	Analyze gas and dust and check with manufacturer Treat with neutralizer before baghouse
	Operating below acid dew point	Increase gas temperature By-pass at start-up
Moisture in Baghouse	Insufficient pre-heating	Run system with hot air only before starting process gas flow
	System not purged after shut-down	Keep fan running for 5-10 minutes after process is shut down
	Wall temperature below dew point	Reise gas temperature Insulate unit Lower dew point by keeping moisture out of system

(continued)

Symptom	Cause	Remedy
	Cold spots through insulation	Eliminate direct metal line through insulation
	Compressed air introducing water (RP, PP)	Check automatic drains Install aftercooler Install dryer
	Repressuring air causing condensation (RF, PP)	Pre-heat repressuring air Use process gas as source of repressuring air
High Screw Conveyor Wear	Screw conveyor undersized	Measure hourly collection of dust and consult manufacturer
	Conveyor speed too high	Slow down speed
High Air Lock Wear	Air lock undersized	Measure hourly collection of dust and consult manufacturer
	Thermal expansion	Consult manufacturer to see if design allowed for thermal expansion
	Speed too high	Slow down
Material Bridging in Hopper	Moisture in baghouse	See above
	Dust being stored in hopper	Remove dust continuously
	Hopper slope insufficient	Re-work or replace hoppers
	Conveyor opening too small	Use a wide flared trough
Frequent Screw Conveyor/Air Lock Failure	Equipment undersized	Consult manufacturer
	Screw conveyor misaligned	Align conveyor
	Overloading components	Check sizing to see that each component is capable of handling a 100% delivery from the previous item
High Pneumatic Conveyor Wear	Pneumatic blower too fast	Slow down blower
	Piping undersized	Review design and slow blower or increase pipe size
	Elbows too short radius	Replace with long radius elbows
Pneumatic Conveyor Pipes Plugging	Overloading pneumatic conveyor	Review design

(continued)

Symptom	Cause	Remedy
	Slug loading of dust	Meter dust in gradually
	Moisture in dust	See above
Fan Motor Overloading	Air volume too high	See below
	Motor not sized for cold start	Damper fan at start-up Reduce fan speed Provide heat faster Replace motor
Air Volume Too High	Ducts leaking	Patch leaks
	Insufficient static pressure	Close damper valve Slow down fan
Reduced Compressed Air Consumption (RP, PP)	Pulsing valves not working	Check diaphragms Check springs Check pilot valves
	Timer failed	Check terminal outputs
High Bag Failure – Wearing Out	Baffle plate worn out	Replace baffle plate
	Too much dust	Install primary collector
	Cleaning cycle too frequent	Slow down cleaning
	Inlet air not properly baffled from bags	Consult manufacturer
	Shaking too violent (S)	Slow down shaking mechanism
	Repressuring pressure too high (RF)	Reduce pressure
	Pulsing pressure too high (RP, PP)	Reduce pressure
	Cages have barbs (RP, PP)	Remove and smooth out barbs
High Bag Failure – Burning	Stratification of hot and cold gasses	Force turbulence in duct with baffles
	Sparks entering baghouse	Install spark arrester
	Thermocouple failed	Replace and determine cause of failure
	Failure of cooling device	Review design and work with manufacturer

SUGGESTED SPARE PARTS

Following is a list of spare parts that should be kept on hand. Quantities of parts will vary as to manufacturer's suggestion and the type of process.

- Bags
- Bag support cages (reverse pulse and plenum pulse)
- Bag clamps
- Seals and caulking material
- Solenoids
- Diaphragms
- Timer components
- Baffle plates or wear plate sections for baffle
- Bag connecting rods (shaker and reverse flow)
- Tensioning springs (reverse flow)
- Belts for shaker mechanism (shaker)
- Motor for shaker mechanism (shaker)
- Fan belts
- Spare bearings and gasketing for all mechanical components

ROUTINE MAINTENANCE CHECKLIST

It is essential to an air pollution control system that a regular program of routine maintenance be established and followed. A record should be kept of all inspections and what maintenance was performed. Inspection intervals will depend on the type of baghouse, the manufacturer's recommendations, and the process on which the unit is installed. The important thing is to be sure checks are regular and as frequent as necessary, and that no components are neglected.

The following chart lists the items requiring regular inspection and, in general, what to look for when performing the inspection. Where items refer to a specific type of baghouse, they are designated:

RP..... Reverse Pulse
PP..... Plenum Pulse
S..... Shaker
RF..... Reverse Flow

Component	Check for:
Shaker mechanism (S)	Proper operation without binding; loose, or worn bearings, mountings, drive components; proper lubrication
Bags	Worn, abraided, damaged bags; condensation on bags; improper bag tension (S) (RF); loose, damaged or improper bag connections
Magnehelic guage or manometer	Steadiness of pressure drop (should be read daily)

(continued)

Component	Check for:
Dust removal system	Worn bearings, loose mountings, deformed parts, worn or loose drive mechanism, proper lubrication
Baghouse structure (housing, hopper)	Loose bolts, cracks in welds; cracked, chipped or worn paint; corrosion
Ductwork	Corrosion, holes, external damage, loose bolts, cracked welds, dust buildup
Solenoids, pulsing valves (RP)	Proper operation (audible compressed air blast)
Compressed air system (RP, PP)	See above; proper lubrication of compressor; leaks in headers, piping
Fans	Proper mounting, proper lubrication of compressor; leaks in headers, piping
Damper valves (S, PP, RF)	Proper operation and synchronization, leaking cylinders, bad air connections, proper lubrication, damaged seals
Doors	Worn, loose, damaged or missing seals; proper tight closing
Baffle plate	Abrasion, excessive wear

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TRANSACTION NUMBER	REFERENCE	DATE	DESCRIPTION	GROSS AMOUNT	DISCOUNTS/ DEDUCTS	NET AMOUNT
108319	072500	08/01/00	moorehaven plant process fee- operation permit	1500.00	0.00	1500.00
VENDOR NO.	3173		**TOTALS**	$1500.00	0.00	$1500.00

Mitchell, Bruce

From: Zhu, Yi
Sent: Thursday, March 01, 2001 10:42 AM
To: Mitchell, Bruce
Cc: Fancy, Clair; Sheplak, Scott; Leffler, William
Subject: RE: ARMS upload check for Ajax Paving Industries, Inc.: 7770060-004-AC.

The data is checked and looked good. Thank you.
Yi

-----Original Message-----
From: Mitchell, Bruce
Sent: Thursday, March 01, 2001 9:49 AM
To: Zhu, Yi
Cc: Fancy, Clair; Sheplak, Scott; Leffler, William
Subject: RE: ARMS upload check for Ajax Paving Industries, Inc.: 7770060-004-AC.

3/1/2001

Dear Yi,

Thanks for the help thhis morning. Please review the ARMS entries for the changes requested. I believe that I have entered the appropriate data. Please advise. Again, many thanks.

Bruce

-----Original Message-----
From: Zhu, Yi
Sent: Tuesday, February 27, 2001 8:18 AM
To: Mitchell, Bruce
Cc: Fancy, Clair; Sheplak, Scott; Leffler, William
Subject: RE: ARMS upload check for Ajax Paving Industries, Inc.: 7770060-004-AC.

Bruce, EU 4 and 5 do not have any SCC, pollutant, emission point, and VE data entered. Could you please check it again? Thanks. Yi

-----Original Message-----
From: Mitchell, Bruce
Sent: Friday, February 09, 2001 4:44 PM
To: Zhu, Yi
Cc: Fancy, Clair; Sheplak, Scott; Leffler, William
Subject: ARMS upload check for Ajax Paving Industries, Inc.: 7770060-004-AC.

2/9/01

Dear Yi,

Please check the above referenced permitting project for ARMS input. Many thanks.

Bruce

Mitchell, Bruce

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2/9/01

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Bruce

State of Florida
Department of Environmental Protection

Memorandum

TO	Clair Fancy for DMS 2/6
THRU	Bruce Mitchell
FROM	William Leffler, P.E.
DATE	February 5, 2001
SUBJECT	Air Construction Permit Ajax Paving Industries, Inc. Relocatable drum mixer asphalt plant and associated equipment Permit No.: 7770060-004-AC
Day 90	February 24, 2001

1. This Final Air Construction Permit is for a relocatable drum mixer asphalt batch plant, presently located in Moore Haven, Florida.

2. The application history is as follows:

   - On August 2, 2000, an application for an Air Operating Permit was received and rejected because the underlying air construction permit had expired. The applicant was allowed leave to withdraw the application for an operating permit and apply the fees to a new air construction permit application.
   - On August 31, 2000, an application for an air construction permit was received. The fee previously paid was applied to this application. The clock was reset.
   - On October 11, 2000, the applicant requested the addition of a crushing unit not to exceed 200 TPH and 500 hours per calendar year.
   - On November 16, 2000, an intent to issue package, including the Draft Air Construction Permit, was clerked and mailed to the applicant.
   - On January 20, 2001, the public notice was published in The Ft. Myers News Press.
   - On January 29, 2001, the applicant provided proof of publication for the public notice.

3. The relocatable drum mixer asphalt plant is a minor (Synthetic Non-Title V) facility. It will have limited operation except for the asphalt tank heating system. The applicant has requested permission to use "on spec" used oil for heating; and, appropriate permit conditions have been included to limit heavy metals, sulfur and PCB's.

4. Unconfined fugitive particulate matter emissions from the aggregate handling process and crusher unit will be controlled by a water spray dust suppression system: and, unconfined fugitive non-process particulate emissions from roadways, stockpiles and work-yard, will be controlled by watering and/or application of some effective dust suppressant(s). Process emissions from the dryer/mixer are controlled by a cyclone and baghouse.

5. I recommend that the attached permit be signed.

Final Determination
Ajax Paving Industries, Inc.
Relocatable Drum Mix Asphalt Plant and Associated Equipment
Permit No.: 7770060-004-AC

NOTICE AND PUBLICATION.

- On November 16, 2000, an intent to issue package, including the Draft Air Construction Permit, was clerked and mailed to the applicant and copies were furnished to the various district and local air programs throughout the state.
- On December 31, 2000, Richard Robinson of Duval County made timely comments to the draft permit.
- On January 20, 2001, the public notice was published in The Ft. Myers News Press.
- On January 29, 2001, the applicant provided proof of publication for the public notice.

DEPARTMENT COMMENTS.

The Department responds to Mr. Robinson's comments as follows without repeating the text of the comment:

1. The applicant did not seek permitting under Rule 62-210.300(3)(c)1., F.A.C, but rather it filed a long form application with adequate data and assurance for review of the application as a synthetic non-Title V minor source.

2 The applicant did not seek permitting under Rule 62-210.300(3)(c)1., F.A.C., and is not subject to it. The facility is minor and PM testing is required prior to permit renewal in accordance with Rule 62-297.310(4)(a)4.b., F.A.C.

3. The applicant did not seek permitting under Rule 62-210.300(3)(c)1., F.A.C., and is not subject to it, The three (3) year retention time is in accordance with Rule 62-4.160(14)(b), F.A.C.

CONCLUSION.

It is recommended that the air construction permit, No. 7770060-004-AC, be issued as noticed.

Mitchell, Bruce

From: Richard Robinson [ROBINSON@coj.net]
Sent: Wednesday, December 27, 2000 3:31 PM
To: Leffler, William
Cc: Mitchell, Bruce; Darrel Hall; Ron Roberson; Jerry Woosley
Subject: Comments, Ajax Paving Industries, Inc., 7770060-004-AC

I reviewed the subject draft permit and have the following comments:

1. Page 6, Section IV, Specific Conditions 2. & 3., It appears the tons per calendar year of asphaltic concrete mix allowed and the gallons of fuel oil burned during any consecutive 12-month period are greater than the conditional exemptions from Title V permitting conditions in accordance with Rules 62-210.300(3)(c)1.a. & b., FAC.

2. Page 10, Section IV, Specific Condition 14.(b), It appears the PM test prior to renewal is less stringent than the conditional exemptions from Title V permitting conditions in accordance with Rule 62-210.300(3)(c)1.i., FAC.

3. Page 12, Section IV, Specific Condition 27., It appears the 3 year record keeping requirement is less stringent than the conditional exemptions from Title V permitting conditions in accordance with Rule 62-210.300(3)(c)1.g., FAC.

Please let me know if Rule 62-210.300(3)(c)1. has been changed.