



Environmental Protection and Growth Management Department
POLLUTION PREVENTION DIVISION – AIR QUALITY PROGRAM
One North University Drive, Suite 203, Plantation, Florida 33324
954-519-1260 • FAX 954-519-1495

NOTICE OF AIR POLLUTION PERMIT

ISSUED TO:

PERMITTEE:

Hardrives, Inc.
Authorized Representative:
Mr. George Elmore, President
Hardrives, Inc.
2101 S. Congress Avenue
Delray Beach, Florida 33445

AIRS ID NO: 0110045

FINAL Permit Number: 0110045-007-AC

Issue Date: February 24, 2015

Expiration Date: January 7, 2016

Facility Name: Hardrives, Inc. - Deerfield Beach Plant is located at 1200 SW Powerline Road, Deerfield Beach, Broward County, Florida.

Project Description: Construction permit to incorporate a recycled asphalt product (RAP) crushing operation and add the use of natural gas as a fuel source for the existing plant. These changes will not affect the status of the facility as a synthetic minor source. Except for notification of routine testing, relocation and compliance status of the crusher, no changes will be made to the facility's applicable requirements. The crusher will operate at the Deerfield Plant intermittently, when RAP is available. The facility requested to include the crushing operation, which is regulated under a statewide air general permit issued by Florida Department of Environmental Protection (DEP), Tallahassee Office, in the existing non-TV operation permit. The crushing operation is considered routine work at this location.

The Standard Industrial Classification (SIC) is 2951; and the North American Industrial Classification Standard (NAICS) Code is 324121. **Lat/Long:** 26°18'32" N / 80°09'32" W **UTM:** Zone 17; 587.4 km East; 2909.1 km North

Statement of Basis: This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.) Florida Administrative Code (F.A.C.) Rules 62-4 and 62-210 through 62-297 (permitting requirements) and Broward County Code, Chapter 27 (protection of air quality) and in conformance with all existing regulations of the Florida Department of Environmental Protection (FDEP). The above named Permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Broward County Pollution Prevention Division (PPD) and made a part hereof.

This permit is organized by the following sections.

1. Facility Description
2. General Conditions
3. Facility-wide Conditions
4. Emissions Unit Specific Conditions, Sections [A] to [B]
5. Appendix A - 40 CFR Part 60, Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants

Executed in Broward County, Florida
POLLUTION PREVENTION DIVISION

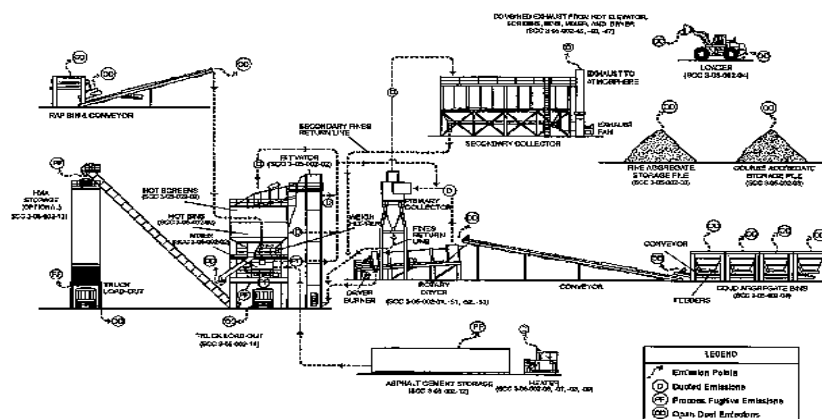
Robert C. Wong
Environmental Licensing Manager

1. FACILITY DESCRIPTION

This facility produces asphaltic concrete for paving. The asphalt cement, which is semisolid, is heated in the asphalt concrete heater with aggregate, prior to mixing in the batch mixer. The end product is hot mix asphalt concrete. There is also a rotary dryer that keeps the asphalt in optimum condition. The current regulated emissions unit consists of conventional drum-mix asphalt with a maximum production rate of 150 tons per hours of paving asphalt. The air emissions are controlled by a baghouse. The facility uses 10% recycled asphalt. In accordance with Specific Condition No. 23 of permit 0110045-006-AO, the particulate matter emissions shall not exceed 96.5 tons per year and sulfur dioxide emissions shall not exceed 98.3 tons per year. Also, the hours of operation are limited to 4,000 in any twelve-month period. The annual fuel usage rate is limited to 825,000 gallons of #4 fuel oil to the batch mixer, 40,000 gallons of #2 fuel oil to the asphalt concrete heater. Natural gas is being added, as alternate fuel, to be used in the mixer and heater. The new regulated emissions unit consists of a 350 TPH - 385 hp Engine, Portable Recycled Asphalt Product (RAP) Crusher and Screening Operation. Fugitive particulate matter is emitted from this activity and particulate matter emissions will be controlled through best management practices.

This facility consists of a mixer, where the liquid asphalt, sand and rock are mixed prior to shipment and a used oil-fired rotary dryer, where the sand and rock are dried. Air emissions of particulate matter from the plant are controlled by a single ASTEC H & B Model 1290M-11240 baghouse. The air emissions from the plant are exhausted through a stack located by the baghouse.

The following figure shows the general process flow diagram for the asphalt production:



The facility consists of the following emission units:

| <u>E.U. ID</u> <u>No.</u> | <u>Brief Description</u> |
|------------------------------|---|
| 001 | A conventional asphalt concrete batch plant with a rotary dryer and an asphalt heater. The maximum production rate is 150 tons per hour of paving asphalt. Air emissions are controlled by a single ASTEC H & B Model 1290M-11240 baghouse. The air emissions from the plant are exhausted through a stack located by the baghouse. |
| 003 | 350 TPH - 385 hp Diesel Engine, Portable Recycled Asphalt Product (RAP) Crusher and Screening Operation. Fugitive particulate matter is emitted from this activity. |

2. GENERAL CONDITIONS

1. Terms of Permit. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are “permit conditions” and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The Permittee is placed on notice that the PPD will review this permit periodically and may initiate enforcement action for any violation of these conditions.
[Rule 62-4.160 (1), F.A.C.]
2. Permit Validity. 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, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the PPD.
[Rule 62-4.160 (2), F.A.C.]
3. Disclaimer. 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 exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, or any violations of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other permit that may be required for other aspects of the total project which are not addressed in this permit.
[Rule 62-4.160 (3), F.A.C.]
4. Disclaimer. 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 interest have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
[Rule 62-4.160 (4), F.A.C.]
5. Liability. 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 FDEP rule, unless specifically authorized by an order from the PPD.
[Rule 62-4.160 (5), F.A.C.]
6. Operation and Maintenance. The Permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the Permittee to achieve compliance with the conditions of this permit, as required by county and state rules. This provision included 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 PPD and FDEP rules.
[Rule 62-4.160 (6), F.A.C.]
7. Onsite Inspection Activities. The Permittee, by accepting this permit, specifically agrees to allow authorized PPD personnel, upon presentation of credentials or other documents as may be required by law and at

reasonable times (depending on the nature of the concern being investigated), access to the premises where the permitted activity is located or conducted to:

- (a) Have access to and copy any records that must be kept under 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 PPD and FDEP rules.

[Rule 62-4.160 (7), F.A.C.]

8. Notice of Noncompliance. 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 PPD with the following information:

- (a) A description of and cause of noncompliance; and
- (b) The period of noncompliance, including dates and times, or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The Permittee shall be responsible for any enforcement action by PPRAQD for penalties or for revocation of this permit.

[Rule 62-4.160 (8), F.A.C.]

9. Reporting Noncompliance. The Permittee shall report any periods of noncompliance to the PPD immediately by phone at 954-519-1499 or by Email at PPDHOTLINE@broward.org. This also applies when the period of non-compliance is first determined after normal business hours or on weekends and holidays.

[Rules 62-4.130 and 62-4.070(3), F.A.C.]

10. Evidence Materials. By 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 facility or activity, that are submitted to the PPD, may be used by the PPD as evidence in any enforcement proceeding arising under the Florida Statutes or F.A.C. rules, except where such use is prohibited by Section 403.111 and 403.73, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

[Rule 62-4.160 (9), F.A.C.]

11. Rule Changes. The Permittee agrees to comply with changes in Florida Department of Environmental Protection 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 FDEP rules.

[Rule 62-4.160 (10), F.A.C.]

12. Permit Transfer. This permit is transferable only upon PPD approval in accordance with Rule 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 approved by the PPD.

[Rule 62-4.160 (11), F.A.C.]

13. Work Site Copy. This permit or a copy thereof shall be kept at the work site of the permitted activity.

[Rule 62-4.160 (12), F.A.C.]

14. Miscellaneous Compliance Requirements. The Permittee shall comply with the following:

- (a) Upon request, the Permittee shall furnish all records and plans required under FDEP rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the PPD.
- (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 recording 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

materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by PPD 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;
6. The results of such analyses.

[Rule 62-4.160 (14), F.A.C.]

15. Information Submittal. When requested by the PPD, 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 the relevant facts were not submitted or were incorrect in the permit application or in any report to the PPD, such facts or information shall be corrected promptly.

[Rule 62-4.160 (15), F.A.C.]

16. Rules Adoption. Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, as amended, are adopted by Broward County Code, Sec. 27-173.

[Broward County Code, Sec. 27-173]

3. FACILITY-WIDE CONDITIONS

17. Objectionable Odor. No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor.

[Rule 62-296.320(2), F.A.C. and Broward County Code, Sec. 27-175(e)]

18. VOC or Organic Solvents Emissions. The owner or operator shall allow no person to 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 PPD. Displaced vapors generated during the loading of gasoline and denatured ethanol products shall be vented to a vapor control system.

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

19. General Visible Emissions. No person shall cause, let, permit, suffer or allow to be discharged into the outdoor atmosphere any air pollutants from sources, the opacity of which is equal or greater than 20 percent. EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C. This regulation does not impose a specific testing requirement.

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

20. Concealment. No person shall build, erect, install, or use any article, machine, equipment or other contrivance, the use of which will conceal any emission which would otherwise constitute a violation of any provisions of Broward County Codes.

[Rule 62-210.650, F.A.C., Broward County Code, Sec. 27-175(b)]

21. Circumvention. No person shall circumvent any air pollution device, or allow the emission of air pollutants without the applicable air pollution control device operating properly.

[Rule 62-210.650 F.A.C and Broward County Code, Sec. 27-175(c)]

22. Maintenance. No person shall operate any air pollution control equipment or systems without proper and sufficient maintenance to assure compliance with Broward County Codes.

[Broward County Code, Sec. 27-175(a)]

23. Special Compliance Tests. When PPD, 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 PPD rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity

of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the PPD.
[Rule 62-297.310(7) (b), F.A.C.]

24. Operating Permit. Sixty days before the expiration date of this construction permit, the permittee shall apply for a permit renewal using the forms incorporated by reference in the specific rule chapter for this type of permit.

[Rule 62-4.090 F.A.C.]

{Permitting Note: The permittee may also elect to submit the application electronically using the Electronic Permit Submittal and Processing system (EPSAP) via the <http://www.dep.state.fl.us/air/emission/epsap/default.htm> website, along with the processing fee established in Rule 62-4.050(4), F.A.C. , [62-4.090(1) and 62-4.050(4), F.A.C.]

25. Annual Operation Report (AOR). The AOR shall be submitted to the PPD by April 1 of the following year. If the permittee elects to use FDEP's electronic annual operation report software (EAOR), the report must be submitted directly to FDEP and there is no requirement to submit a copy to PPD.

[Rule 62-210.370(3), F.A.C.]

{Permitting Note. Information on the EAOR submittal is available at <http://www.dep.state.fl.us/air/emission/eaor/default.htm>}

4. EMISSIONS UNIT SPECIFIC CONDITIONS

Subsection A. This section addresses the following emissions unit.

| E.U. ID No. | Brief Description |
|-------------|---|
| 001 | A conventional asphalt concrete batch plant with a rotary dryer and an asphalt heater. The maximum production rate is 150 tons per hour of paving asphalt. Air emissions are controlled by a single ASTEC H & B Model 1290M-11240 baghouse. The air emissions from the plant are exhausted through a stack located by the baghouse. |

Emission Limiting Standards

- A.1. No person shall cause, let, permit, suffer or allow emissions of particulate matter, through a stack or vent, from any emissions unit subject to this rule in total quantities in excess of the amount shown in Table 296.320-1. Interpolation of the data may be accomplished by the use of the following equations:

E (emissions, lb/hr) = $3.59P^{0.62}$ where P (process weight rate in tons/hour) is less than 30; or

E (emissions, lb/hr) = $17.31P^{0.16}$ where P (process weight in tons/hr) is greater than 30

This results in an emissions limit of 38.6 lbs/hour, not to exceed 96.5 tons per year.

[Rule 62-296.320(4) (a) 2, F.A.C.]

- A.2. 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 Ringelman Chart (20 percent opacity).

[Rule 62-296.320(4) (b) 1, F.A.C.]

- A.3. In order to qualify for synthetic non-Title V status, particulate matter emissions shall be limited to 96.5 tons/year and sulfur dioxide emissions shall be limited to 98.3 tons/year. This shall be accomplished by the following:

1. Maximum production rate shall be limited to 150 tons/hour.
2. Hours of operation shall be limited to 4,000 in any 12-month period. This plant shall demonstrate compliance with this condition by maintaining the fan power supply time meter

log on a daily basis and totaling the 12 months of logs on a rolling total.

3. Annual fuel usage rate shall be limited to 825,000 gallons of #4 fuel oil to the batch mixer and 40,000 gallons of #2 fuel oil to the asphalt cement heater. These usage rate limits apply to EU #001 only, not to the moving vehicles.

[Construction application submitted August 21, 1995, permit 0110045-002-AC, permit modification issued May 17, 2001; and Rule 62-4.070(3), F.A.C.]

Compliance Testing Requirements

A.4. Compliance Test Frequency and Methods.

During each federal fiscal year (October 1, - September 30), unless otherwise specified by rule, order, or permit, the owner or operator of each emission unit shall have a formal compliance test conducted to verify compliance with the applicable emissions limiting standards. [F.A.C. Rule 62-297.310(7) (a) 4]

- a) The permittee shall conduct compliance testing in accordance with the following methods and frequency:

| <u>Source/Emission Point. Pollutant</u> | <u>Test Method</u> | <u>Frequency</u> |
|---|--------------------|--|
| Baghouse stack VE | EPA Method 9 | Every federal fiscal year (October 1 – September 30) |
| Baghouse stack PM | EPA Method 5 | Every five years |

- b) The required minimum period of observation for a visible emissions compliance test shall be sixty (60) minutes for emissions units which have the potential to emit 100 tons per year or more of particulate matter; and thirty (30) minutes for emissions units which have the potential emissions less than 100 tons per year of particulate matter and are not subject to a multiple-valued opacity standard. Opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. Exceptions to these requirements are as follows:

- a. For batch, cyclical processes, or other operations which are normally completed within less than the minimum observation period and do not recur within that time, the period of observation shall be equal to the duration of the batch cycle or operation.

[Rule 62-297.310(4) (a) 2.a, F.A.C.]

- A.5. Testing of emissions should be conducted with the emission unit operating at 90 to 100 percent of permitted capacity as defined below. If it is impractical to test at permitted capacity defined as 90 to 100 percent of the maximum operation rate allowed by the permit, an emission unit may be tested at less than the minimum permitted capacity; in this case subsequent emission unit operation is limited to 110 percent of the test rate until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity.

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

- A.6. Required Number of Test Runs. The PM compliance test shall consist of three complete and separate determinations of the total air pollutant emission rate through the test section of the stack or duct and three complete and separate determinations of any applicable process variables corresponding to the three distinct time periods during which the stack emission rate was measured; provided, however, that three complete and separate determinations shall not be required if the process variables are not subject to variation during a compliance test, or if three determinations are not necessary in order to calculate the unit's emission rate.

The three required test runs shall be completed within one consecutive five-day period. In the event that a sample is lost or one of the three runs must be discontinued because of circumstances beyond the control of the owner or operator, and a valid third run cannot be obtained within the five-day period allowed for the

test, PPD may accept the results of two complete runs as proof of compliance, provided that the arithmetic mean of the two complete runs is at least 20% below the allowable emission limiting standard.
[Rules 62-297.310(1), F.A.C.]

Notification, Recordkeeping and Reporting Requirements

- A.7** The permittee shall keep monthly records of consecutive twelve month rolling usage rates of gallons of #2 and #4 fuel oil used and sulfur content.

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

- A.8.** The test report shall provide sufficient detail on the emission unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. As a minimum, the test report, other than for an EPA or DEP Method 9 test, shall provide the following information:

- a. 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.
- b. The means, raw data and computations used to determine the amount of fuels and materials processed, if necessary to determine compliance with an applicable emission limiting standard.
- c. The type of air pollution control device installed on the emission unit, its general condition, its normal operating parameters (pressure drop), and its operating parameter during each test run.
- d. All measured and calculated data required to be determined by each applicable test procedure for each run.
- e. The detailed calculations of one run that relate the collected data to the calculated emission rate.
- f. The applicable emission standard and the resulting maximum allowable emission rate for the emission unit, plus the test result in the same form and unit of measure.

[Rule 62-297.310(8) (c), F.A.C.]

- A.9** Copies of all reports, tests, notifications or other submittals required by this permit shall be submitted to the PPD, Air Quality Program, as soon as practical but no later than forty-five (45) days after the last test is completed.

[Rule 62-297.310(8) (b), F.A.C.]

A.10 Compliance Test Report.

- (a) The owner or operator shall file a report with the PPD on the results of each compliance test.
- (b) The required test report shall be filed with the PPD as soon as practical but no later than 45 days after the last sampling run of each test is completed.
- (c) The test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow PPD to determine if the test was properly conducted and the test results properly computed. As a minimum, the test report for EPA Method 5 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 means, 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, their general condition, their normal operating parameters (pressure drops, total operating current and GPM scrubber water), and their operating parameters during each test run.

7. A sketch of the duct within 8 stack diameters upstream and 2 stack diameters downstream of the sampling ports, including the distance to any upstream and downstream bends or other flow disturbances.
8. The date, starting time and duration of each sampling run.
9. The test procedures used, including any alternative procedures authorized pursuant to Rule 62-297.620, F.A.C. Where optional procedures are authorized in this chapter, indicate which option was used.
10. The number of points sampled and configuration and location of the sampling plane.
11. For each sampling point for each run, the dry gas meter reading, velocity head, pressure drop across the stack, temperatures, average meter temperatures and sample time per point.
12. The type, manufacturer and configuration of the sampling equipment used.
13. Data related to the required calibration of the test equipment.
14. Data on the identification, processing and weights of all filters used.
15. Data on the types and amounts of any chemical solutions used.
16. Data on the amount of pollutant collected from each sampling probe, the filters, and the impingers, are reported separately for the compliance test.
17. The names of individuals, who furnished the process variable data, conducted the test, analyzed the samples and prepared the report.
18. All measured and calculated data required to be determined by each applicable test procedure for each run.
19. The detailed calculations for one run that relate the collected data to the calculated emission rate.
20. The applicable emission standard, and the resulting maximum allowable emission rate for the emissions unit, plus the test result in the same form and unit of measure.
21. A certification that, to the knowledge of the owner or his authorized agent, all data submitted is true and correct. When a compliance test is conducted for PPD, the person who conducts the test shall provide the certification with respect to the test procedures used. The owner or his authorized agent shall certify that all data required and provided to the person conducting the test are true and correct to his knowledge.

[Rule 62-297.310(8), F.A.C.]

Subsection B. This section addresses the following emissions unit:

| E.U. ID No. | Brief Description |
|-------------|---|
| 003 | 350 TPH - 385 hp Diesel Engine, Portable Recycled Asphalt Product (RAP) Crusher and Screening Operation. Fugitive particulate matter is emitted from this activity. |

{Permitting Note: This emissions unit operates under the statewide general permit number: 7775685. This permit allows any crusher with a capacity up to 350 tons per hour and a diesel engine with a capacity up to 385 hp to operate at this facility. The crushing operation is subject to 40 CFR 60, Subpart OOO – Standards for Nonmetallic Mineral Processing Plants, incorporated by reference in 62-204.800(7)(b), F.A.C., which was revised on April 28, 2009; and the revised conditions are incorporated in this permit. }

B.1. In compliance with 40 CFR 60, Subpart OOO, as included in **Appendix A**, of this permit:

- a) The capacity of the crusher shall not exceed 350 tons per hour.
- b) The capacity of the diesel engine shall not exceed 385 hp.

[Rule 62-204.800(7)(b), F.A.C., 62-4.070(3), F.A.C.]

B.2. The diesel engine of the portable RAP crusher is subject to 40 CFR 63, Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE). Emissions unit #002 shall comply with all requirements of this rule that are applicable. [40 CFR 63.6603, Table 2d, Rule 62-204.800(11)(b), 62-4.070(3), F.A.C.]

B.3. Visible Emission (VE) Standards. The VE Standards for the crushers and the affected facilities are presented in the following table [40 CFR 60.676, Table 3]

| | The owner or operator must meet the following fugitive emissions limit for grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in 40 CFR 60.670 and 60.671) | The owner or operator must meet the following fugitive emissions limit for crushers. | The owner or operator must demonstrate compliance with these limits by conducting |
|---|--|---|--|
| For affected facilities (as defined in 40 CFR 60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008 ** NOT APPLICABLE** | 10 percent opacity | 15 percent opacity | An initial performance test according to 40 CFR 60.11 and 40 CFR 60.675 |
| For affected facilities (as defined in 40 CFR 60.670 and 60.671) that commenced construction, modification, or reconstruction on or after April 22, 2008 | 7 percent opacity | 12 percent opacity | An initial performance test according to 40 CFR 60.11 and 40 CFR 60.675, and Periodic Inspections of water sprays according to 40 CFR 60.674(b) and 40 CFR 60.676(b) |

Test Methods and Procedures

B.4 Compliance Frequency. The permittee shall demonstrate initial compliance with the emissions standards on or after sixtieth day after achieving maximum production rate at which the facility will be operated, but not later than 180 days after initial startup. The renewal compliance shall be demonstrated within 60 days prior to the expiration of the operating permit.

A repeat performance test according to 40 CFR 60.11 and 40 CFR 60.675 within 5 years from the previous performance test for fugitive emissions from affected facilities without water sprays. Affected facilities controlled by water carryover from upstream water sprays that are inspected according to the

requirements in 40 CFR 60.674(b) and 40 CFR 60.676(b) are exempt from this 5-year repeat testing requirement

The permittee shall use EPA Method 9, *Visual Determination of the Opacity of Emissions from Stationary Sources*, 40 CFR 60, Appendix A. [40 CFR 60.672 (b) & (c), Rule 62-297.310, F.A.C.]

Permitting Note: Annual testing is still required by the general permit for facilities subject to 40 CFR Part 60, Subpart OOO (e.g. Hardrives' crusher with facility ID# 7775685).

- B.5** VE Observations: In determining compliance with the standards in specific condition B.3, the owner or operator shall use Method 9 and the procedures in 40 CFR 60.11, with the following additions:
- (a) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
 - (b) The observer, when possible shall select a position that minimizes interference from other emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.
 - (c) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible. [40 CFR 60. 675 (c) (l), and 60-4.070(3), F.A.C.]

When determining compliance with the fugitive emissions standard for any affected facility specified in the condition B.3, the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits specified in condition B.3 shall be based on the average of the five 6-minute averages.
[40 CFR 60. 675 (c)(3)]

Notification, Reporting and Recordkeeping Requirements

- B.6** (a) The owner or operator shall notify the PPD (by e-mail, fax, post or courier) at least fifteen (15) business days prior to bringing the relocatable crusher to this facility and transmit the details and status of the crusher as mentioned below to the PPD.
- a. The manufacturer, model no. and serial no. of the crusher, screen, and conveyor.
 - b. Rated capacity of the crusher (tons per hour), total surface area of the top screen, and width of the conveyor belt, and the rated capacity of the storage bin (tons).
 - c. The startup date of crusher and other appurtenances (screens, conveyors, and storage bins).
- (b) The owner or operator shall notify the PPD by telephone, e-mail, fax or written communication at least within fifteen (15) days of the removal of the crusher from the facility.
- (c) The owner or operator shall notify the PPD, at least 15 days prior to the date on which each formal compliance test is to begin, the date, time, and place of each test, and the test contact person who will be responsible for coordinating and conducting the test for the owner or operator pursuant to Rule 62-297.310(7) (a) 9., F.A.C.
- (d) The owner or operator shall submit the test report(s) to the PPD, no later than 45 days after the last sampling run of each test completed pursuant to Rules 62-297.310(8) (a) & (b), F.A.C. The details of the report(s) shall be in accordance with Rule 62-297.310(8) (c), F.A.C.
[Rule 62-4.070(3), F.A.C.]
- B.7** When an existing facility is replaced by a piece of equipment of equal or smaller size, as defined in 40 CFR 60.671, having the same function as the existing facility, and there is no increase in the amount of

emissions, the new facility is exempt from the provisions of 40 CFR 60.672, 60.674, and 60.675 except as provided for in paragraph (b) below.

- (1) An owner or operator complying with paragraph above shall submit the information required in the specific condition B.8.
- (2) An owner or operator replacing all existing facilities in a production line with new facilities does not qualify for the exemption and must comply with the provisions of 40 CFR 60.672, 60.674 and 60.675.
- (3) An affected facility that commences construction, modification, or reconstruction after August 31, 1983, is subject to the requirements of 40 CFR 60 Subpart OOO.
[40 CFR 60.670(d)]

B. 8 Each owner or operator seeking to comply with the specific condition B.7 shall submit the following information about the existing facility being replaced and the replacement piece of equipment.

- (1) For a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station:
 - (i) The rated capacity in tons per hour of the existing facility being replaced and
 - (ii) The rated capacity in tons per hour of the replacement equipment.
- (2) For a screening operation:
 - (i) The total surface area of the top screen of the existing screening operation being replaced and
 - (ii) The total surface area of the top screen of the replacement screening operation.
- (3) For a conveyor belt:
 - (i) The width of the existing belt being replaced and
 - (ii) the width of the replacement conveyor belt.
- (4) For a storage bin:
 - (i) The rated capacity in tons of the existing storage bin being replaced and
 - (ii) The rated capacity in tons of replacement storage bins.

[40 CFR 60.676(a)]

B.9 A notification of the actual date of initial startup of each affected facility shall be submitted to PPD.

- (1) For a combination of affected facilities in a production line that begin actual initial startup on the same day, a single notification of startup may be submitted by the owner or operator to the PPD. The notification shall be postmarked within 15 days after such date, and shall include a description of each affected facility, equipment manufacturer, and serial number of the equipment if available.
- (2) For portable aggregate processing plants, the notification of the actual date of initial startup shall include both the home office and the current address or location of the portable plant.
[40 CFR 60.676(i)]

B.10 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) (*Modifications*). This notice shall be postmarked within 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. PPD may request additional relevant information subsequent to this notice.

The following, by themselves, shall not be considered modifications under this part:

- (a) Maintenance, repair, and replacement, which the PPD determines to be routine for a source category.
- (b) An increase in production rate of an existing facility, if that increase can be accomplished without a capital expenditure on that facility.
- (c) An increase in the hours of operation.
- (d) Use of an alternative fuel or raw material.
- (e) The addition or use of any system or device whose primary function is the reduction of air pollutants, except when an emission control system is removed or is replaced by a system, which the Health Department determines to be less environmentally beneficial.
- (f) The relocation or change in ownership of an existing facility.

[Rule 62-4.070(3), F.A.C. and 40 CFR 60.1(e)]

- B.11** Owners or operators of affected facilities (as defined in 40 CFR 60.670 and 60.671) for which construction, modification, or reconstruction commenced on or after April 22, 2008, must record each periodic inspection required under 40 CFR 60.674(b) or (c), including dates and any corrective actions taken, in a logbook (in written or electronic format). The owner or operator must keep the logbook onsite and make hard or electronic copies (whichever is requested) of the logbook available to the PPD upon request.
(40 CFR 60.676(b) (1))

- B.12** The owner or operator of any wet material processing operation that processes saturated and subsequently processes unsaturated materials, shall submit a report of this change within 30 days following such change. At the time of such change, this screening operation, bucket elevator, or belt conveyor becomes subject to the applicable opacity limit in 40 CFR 60.672(b) and the emission test requirements of 40 CFR 60.11.
(40 CFR 60.676(g))

- B.13** Operating Records. The permittee shall maintain the following records for the RAP Crusher and Industrial Engine (generator) for at least three (3) years:

- (a) Daily Records: The permittee shall maintain daily records on the following:

- a. Date of operation and operator's Name
- b. Total hours of operation.
- c. Total gallons of each fuel oil fired.

- (b) Monthly Records: The permittee shall maintain daily on the following:

- a. Month of operation.
- b. Total hours of operation.
- c. Total gallons of each fuel oil fired.

[40 CFR 60.19(d) and Rule 62-297.310, F.A. C.]

B.14 The following table specifies the provisions of 40 CFR 60 Subpart A that do not apply to owners and operators of affected facilities subject to the 40 CFR 60 Subpart OOO or that apply with certain exceptions.

| 40 CFR 60 Subpart A reference | Applies to 40 CFR Subpart OOO | Explanation |
|---|--------------------------------------|---|
| 60.4, Address | Yes | Except in 40 CFR 60.4(a) and (b) submittals need not be submitted to both the EPA Region and delegated State authority (40 CFR 60.676(k)). |
| 60.7, Notification and Recordkeeping | Yes | Except in (a) (1) notification of the date, construction or reconstruction commenced (40 CFR 60.676(h)). Also, except in (a) (6) performance tests involving only Method 9 (40 CFR part 60, Appendix A-4) require a 7-day advance notification instead of 30 days (40 CFR 60.675(g)). |
| 60.8, Performance tests | Yes | Except in (d) performance tests involving only Method 9 (40 CFR part 60, Appendix A-4) require a 7-day advance notification instead of 30 days (40 CFR 60.675(g)). |
| 60.11, Compliance with standards and maintenance requirements | Yes | Except in (b) under certain conditions (40 CFR 60.675(c)), Method 9 (40 CFR part 60, Appendix A-4) observation is reduced from 3 hours to 30 minutes for fugitive emissions. |
| 60.18, General control device | No | Flares shall not be used to comply with the emission limits |