

**Florida**  
Department of Environmental Protection

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FACILITY: RAINEY ASPHALT,LLC (#1190050)  
APPLICATION: RAINEY ASPHALT (#2892-1)

**AIR PERMIT APPLICATION VERIFICATION OF SUBMITTAL**

3/21/2011 2:15:59 PM

APPLICATION NUMBER: 2892-1

**Note! The Permitting Clock Does Not Start Until Fees are Received.**

Your Application has been Submitted.  
Please refer to the above application # in any future correspondence regarding this application.

Please Direct Any Questions and Correspondence to:

**Cindy Zhang-Torres**  
[Cindy.Zhang-Torres@dep.state.fl.us](mailto:Cindy.Zhang-Torres@dep.state.fl.us)  
FDEP Southwest District Office  
13051 North Telecom Parkway  
Temple Terrace, Florida 33637-0926  
813-632-7600 x107

[Click Here to Print Fee Calculation Page](#)

Please send this form and required fees to the above address.

[Click Here to Print Your Submitted Application](#)

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*Dept. of Environmental  
Protection  
MAR 23 2011  
Southwest District*

## Electronic Permit Submittal and Processing System (EPSAP) Professional Engineer Signature Document

"This document is signed and sealed to secure the data in this permit application and any attached files that were submitted electronically as described in Florida Department of Business and Professional Regulation, Board of Professional Engineers, Procedures for Signing and Sealing Electronically Transmitted Plan, Specifications, Reports or other Documents, Rule 61G15-23.003., F.A.C.."

**EPSAP Application Number:** 2892-1  
**Facility Identification Number:** 1190050  
**Facility Owner/Company Name:** RAINEY ASPHALT LLC

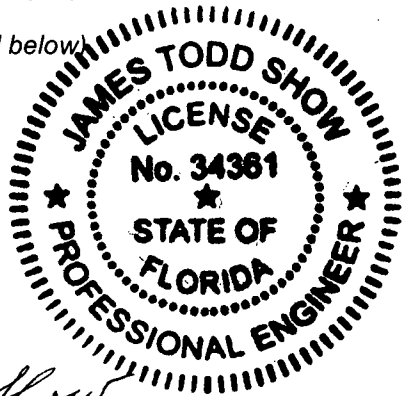
**Purpose of Application:**  
 Not Applicable

**Signature File Created:** 3/17/2011 2:48:58 PM

File Description	Authentication Code
Submitted Application Data	002DF826B4CA33E353C954EEBF68DF11303DBC8
This Application Has No Uploaded Facility Documents.	
This Application Has No Uploaded Emissions Unit Documents.	
Final Signature File	91F19E441677D4824E72102D5C0B456795D227EA

**Professional Engineer (PE):** JAMES SHOW License No: 34361

*(sign and affix PE seal below)*



*James T. Show*  
 PE Signature

*3/17/11*  
 Date

Dept. of Environmental  
 Protection  
 MAR 23 2011  
 Southwest District

DEP Form No. 62-210.900(3) - Form  
Effective: 2/11/99

**Department of  
Environmental Protection**

Division of Air Resources Management

**APPLICATION FOR AIR PERMIT - NON-TITLE V SOURCE  
APPLICATION NUMBER: 2892-1**

**FEE CALCULATION PAGE**

**Identification of Facility**

<b>1. Facility Owner/Company Name:</b> RAINEY ASPHALT LLC
<b>2. Site Name:</b> RAINEY ASPHALT/WILDWOOD PLANT #1
<b>3. Facility Identification Number:</b> 1190050
<b>4. Facility Location:</b> Street Address or Other Locator: 4477 East CR - 462 City: WILDWOOD County: SUMTER Zip Code: 34785
<b>5. Relocatable Facility? No</b> <b>6. Existing Permitted Facility? Yes</b>

**Application Contact**

<b>1. Name and Title of Application Contact:</b> SARA GREIVELL - Environmental Scientist
<b>2. Application Contact Mailing Address:</b> Organization/Firm: GROVE SCIENTIFIC & ENGINEERING COMPANY Street Address: 6140 EDGEWATER DRIVE, SUITE F City: ORLANDO State: FL Zip Code: 32810
<b>3. Application Contact Telephone Numbers:</b> Telephone: (407) 298 - 2282 ext. 108 Fax: (407) 290 - 9038

**Purpose of Application**

**Air Operation Permit Application**  
Not Applicable

**Air Construction Permit Application**  
This Application for Air Permit is submitted to obtain:

Air construction permit to construct or modify one or more emissions units.

**Scope of Application**

EU ID	Description of Emissions Unit	Permit Type	Enter Processing Fee For Each EU
New	Terex Pegson 4242SR or Similar Crusher	AC1E	\$1000.00

**Application Processing Fee**

Check one:  Attached - Enter Total Amount:        Not Applicable

Note: Submit any required permit application fee, which you must calculate according to 62-4.050(4), F. A. C.. Contact the appropriate Permitting Office if you have any questions.

**Construction/Modification Information****1. Description of Proposed Project or Alterations:**

Rainey Asphalt, LLC is applying for an air construction permit to add a crushing operation for the purpose of crushing RAP at their facility

**2. Projected or Actual Date of Commencement of Construction:** 7/1/2011**3. Projected Date of Completion of Construction:** 7/1/2011



**Department of  
Environmental Protection  
Division of Air Resource  
Management**

**APPLICATION FOR AIR PERMIT - NON-TITLE V**  
3/16/2011 8:10:08 AM  
--- Detail Report ---

Application not submitted. Data current as of 3/16/2011

## I. APPLICATION SECTION

### APPLICATION IDENTIFICATION INFORMATION

**Application Number:** 2892-1  
**Application Name:** RAINEY ASPHALT  
**Air Construction Purpose:** AIR CONSTRUCTION PERMIT TO CONSTRUCT OR MODIFY ONE OR MORE EMISSIONS UNITS.  
**Description of Proposed Project:** Rainey Asphalt, LLC is applying for an air construction permit to add  
**Alterations:** a crushing operation for the purpose of crushing RAP at their facility  
**Construction Commencement Date:** 7/1/2011  
**Projected Construction Completion Date:** 7/1/2011  
**Application Comment:**

### SCOPE OF APPLICATION

EU ID	Description	Permit Type
New	Terex Pegson 4242SR or Similar Crusher	AC1E

**Note:** Submit any required permit application fee, which you must calculate according to 62-4.050(4), F. A. C.. Contact the appropriate Permitting Office if you have any questions.

### APPLICATION CONTACT INFORMATION

**First Name:** SARA  
**Last Name:** GREIVELL  
**Job Title:** Environmental Scientist  
**Name of Organization/Firm:** GROVE SCIENTIFIC & ENGINEERING COMPANY  
**Telephone:** 407 - 298 - 2282 Ext. 108  
**Fax:** 407 - 290 - 9038  
**E-mail:** sara@grovescientific.com  
**Street Address:** 6140 EDGEWATER DRIVE, SUITE F  
  
**City:** ORLANDO  
**State:** FL  
**Zip:** 32810

*Dept. of Environmental  
Protection  
MAR 23 2011  
Southwest District*

### PROFESSIONAL ENGINEER INFORMATION

**PE UserName:** JSHOW  
**Registration Number:** 34361  
**First Name:** JAMES  
**Last Name:** SHOW  
**Job Title:** V. P. Engineering  
**Name of Organization/Firm:** GROVE SCIENTIFIC AND ENGINEERING COMPANY  
**Telephone:** 407 - 298 - 2282

Fax: 407 - 290 - 9038  
E-mail: J\_SSHOW@BELLSOUTH.NET  
Street Address: 6140 EDGEWATER DRIVE  
SUITE F  
City: ORLANDO  
State: FL  
Zip: 32810

**OWNER/AUTHORIZED REPRESENTATIVE INFORMATION**

First Name: IKE  
Last Name: RAINEY  
Job Title: Manager  
Name of Organization/Firm: RAINEY ASPHALT, LLC  
Telephone: 352 - 689 - 0261  
Fax:  
E-mail: ~~mbyrd@raineyconstruction.com~~  
Street Address: 4477 EAST CR 462  
  
City: WILDWOOD  
State: FL  
Zip: 34785

*Per Mr. Byrd 6/10/11*  
*MBYRD@RAINEYASPHALT.COM*

## II. FACILITY SECTION

### FACILITY IDENTIFICATION INFORMATION

Facility ID: 1190050  
Owner/Company Name: RAINEY ASPHALT LLC  
Site Name: RAINEY ASPHALT/WILDWOOD PLANT #1  
Description of Location:  
Street Address: 4477 East CR - 462  
City: WILDWOOD  
County: SUMTER  
ZIP: 34785  
Relocatable: NO  
Existing Permitted Facility? YES  
Facility Status: A - ACTIVE  
Comment:

### FACILITY LOCATION AND TYPE

Facility UTM Coordinates: Zone: 17 East(km): 399.56 North(km): 3195.43  
Facility Latitude: Degrees: 28 Minutes: 52 Seconds: 58  
Facility Longitude: Degrees: 82 Minutes: 1 Seconds: 48  
Facility SIC Codes: Primary: 2951 - PETROLEUM REFINING AND RELATED INDUSTRIES  
ASPHALT PAVING AND ROOFING MATERIALS  
PAVING MIXTURES AND BLOCKS  
Governmental Facility Code: 0 - NONE (NON-GOVERNMENTAL FACILITY)  
Facility Major Group SIC: 29 - PETROLEUM REFINING AND RELATED INDUSTRIES

### FACILITY CONTACT INFORMATION

First Name: MIKE  
Middle Name:  
Last Name: BYRD  
Name Suffix:  
Job Title: Plant Manager  
Name of Organization/Firm: RAINEY ASPHALT, LLC  
Telephone: 352 - 689 - 0261  
Fax: 352 - 689 - 0262  
E-mail: mbyrd@raineyconstruction.com  
Street Address: 4477 EAST CR 462  
  
City: WILDWOOD  
State: FL  
Zip: 34785

### FACILITY REGULATORY CLASSIFICATIONS

Small Business Stationary Source? Not Applicable  
Synthetic Non-Title V Source? Yes  
Synthetic Minor Source of Pollutants Other than Hazardous Air Pollutants (HAPs)? Yes  
Synthetic Minor Source of HAPs? Yes  
One or More Emission Units Subject to NSPS? Yes  
One or More Emission Units Subject to NESHAP Recordkeeping or Reporting? No  
Regulatory Classifications Comment:

### RULE APPLICABILITY ANALYSIS

See Supplemental Information for rule applicability

**FACILITY POLLUTANT INFORMATION**

Code	Description	Class	Requested Emissions Cap (lb/hour)	Emissions (tons/year)	Basis for Emissions Cap	Comment
CO	Carbon Monoxide	SM				
H106	Hydrogen chloride (Hydrochloric acid)	SM				
NOX	Nitrogen Oxides	B				
PM	Particulate Matter - Total	SM				
PM10	Particulate Matter - PM10	C				
SO2	Sulfur Dioxide	SM				
VOC	Volatile Organic Compounds	B				

**FACILITY SUPPLEMENTARY ITEMS**

Supplementary Item	Applicable?	Waiver Requested?	Attachment?
AREA MAP SHOWING FACILITY LOCATION	No	No	No
FACILITY PLOT PLAN	No	No	No
PRECAUTIONS TO PREVENT EMISSIONS OF UNCONFINED PARTICULATE MATTER	No	No	No
PROCESS FLOW DIAGRAM	No	No	No
SUPPLEMENTAL INFORMATION FOR CONSTRUCTION PERMIT APPLICATION	Yes	No	Yes

**Facility Supplementary Items Comment:**

**FACILITY SUPPLEMENTARY ATTACHMENTS**

Supplementary Item	Electronic?	Attachment Description	Electronic File Name	Uploaded?
SUPPLEMENTAL INFORMATION FOR CONSTRUCTION PERMIT APPLICATION	No	Supplemental Information is included in Attachment A	N/A	N/A



**III. EMISSIONS UNIT SECTION****NEW EU #1: DESCRIPTION AND DETAIL INFORMATION**

**Type of EU:** 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.

**EU Description:** Terex Pegson 4242SR or Similar Crusher

**EU Status:** C - CONSTRUCTION

**Initial Startup Date:** 7/1/2011

**EU Major Group SIC:** 29 - PETROLEUM REFINING AND RELATED INDUSTRIES

**Package Unit Manufacturer:**

**Generator Nameplate Rating:**

**Incinerator Dwell Temp:**

**Incinerator Dwell Time:**

**Incinerator Afterburner Temp:**

**EU Comment:**

**NEW EU #1: CONTROL EQUIPMENT/METHOD INFORMATION**

\*\*\* NO CONTROL EQUIPMENT/METHOD(S) FOUND FOR THIS EU \*\*\*

**NEW EU #1: OPERATING CAPACITY AND SCHEDULE**

**Maximum Heat Input Rate:**

**Maximum Incineration Rate:**

**Maximum Process or  
Throughput Rate:**

**Maximum Process or  
Throughput Rate Units:**

**Maximum Production Rate:** 400000

**Maximum Process or  
Throughput Rate Units:** TONS/YR

**Requested Maximum Operating  
Schedule:**

**Operating Capacity and**

**Schedule Comment:**

**NEW EU #1: POINT (STACK/VENT) INFORMATION**

**Identification of Point on Plot**

**Plan or Flow Diagram?**

**Emission Point Type Code:** 4 - NO TRUE EMISSION POINT

**Discharge Type Code:** F - FUGITIVE EMISSIONS; NO STACK EXISTS

**Stack Height:**

**Exit Diameter:**

**Exit Temperature:**

**Actual Volumetric Flow Rate:**

**Water Vapor:**

**Maximum Dry Standard Flow  
Rate:**

**Nonstack Emission Point**

**Height:**

**Emission Point UTM**

**Coordinates:**

**Emission Point Comment:**

**Emission Point Comment:****NEW EU #1: SEGMENT (PROCESS/FUEL) INFORMATION****SCC Code: 30502705****Units:** Tons Material Processed**Description 1:** Industrial Processes**Description 2:** Mineral Products**Description 3:** Industrial Sand and Gravel**Description 4:** Secondary Crushing**Is this a Valid Segment?** YES**Segment Description**  
(Process/Fuel Type): Crushing RAP**Maximum Hourly Rate:****Maximum Annual Rate:** 400**Estimated Annual Activity****Factor:****Maximum % Sulfur:****Maximum % Ash:****Million Btu per SCC Unit:****Segment Comment:** This facility will have a maximum throughput of 400,000 tons per year of RAP**NEW EU #1: POLLUTANT POTENTIAL/ESTIMATED EMISSIONS INFORMATION****Pollutant Code: CO****Pollutant Description:** Carbon Monoxide**Is this a Valid Pollutant?** YES**Include in the Facility**  
**Emissions Cap?** NO**Pollutant Regulatory Code:****Primary Control Device:****Secondary Control Device:****Total % Efficiency of Control:****Potential Emissions:** 1.65 tons/year**Synthetically Limited:** N**Emission Factor:** 0.00668**Emission Factor Units:** LB/HP-HR**Emission Factor Reference:** AP-42 TABLE 3.3-1**Emissions Method Code:** 3B - CALCULATED USING EMISSION FACTOR FROM AP-42/FIRE SYSTEM  
OR OTHER PUBLISHED EMISSIONS CALCULATION SOURCE.**Calculation of Emissions:****Pollutant Comment:****Pollutant Code: NOX****Pollutant Description:** Nitrogen Oxides**Is this a Valid Pollutant?** YES**Include in the Facility**  
**Emissions Cap?** NO**Pollutant Regulatory Code:****Primary Control Device:****Secondary Control Device:****Total % Efficiency of Control:****Potential Emissions:** 7.66 tons/year**Synthetically Limited:** N**Emission Factor:** 0.031**Emission Factor Units:** LB/1000 HP-HR**Emission Factor Reference:** AP-42 TABLE 3.3-1

**Calculation of Emissions:  
Pollutant Comment:**

**Pollutant Code: PM**

**Pollutant Description:** Particulate Matter - Total

**Is this a Valid Pollutant?** YES

**Include in the Facility** NO

**Emissions Cap?**

**Pollutant Regulatory Code:**

**Primary Control Device:**

**Secondary Control Device:**

**Total % Efficiency of Control:**

**Potential Emissions:** 1.33 tons/year

**Synthetically Limited:** N

**Emission Factor:**

**Emission Factor Units:**

**Emission Factor Reference:** TABLES 3.3-1 & 11.19

**Emissions Method Code:** 3B - CALCULATED USING EMISSION FACTOR FROM AP-42/FIRE SYSTEM OR OTHER PUBLISHED EMISSIONS CALCULATION SOURCE.

**Calculation of Emissions:** See Supplemental Information for emission factors & calculations

**Pollutant Comment:**

**Pollutant Code: PM10**

**Pollutant Description:** Particulate Matter - PM10

**Is this a Valid Pollutant?** YES

**Include in the Facility** NO

**Emissions Cap?**

**Pollutant Regulatory Code:**

**Primary Control Device:**

**Secondary Control Device:**

**Total % Efficiency of Control:**

**Potential Emissions:** 0.83 tons/year

**Synthetically Limited:** N

**Emission Factor:**

**Emission Factor Units:**

**Emission Factor Reference:** TABLES 3.3-1 & 11.19

**Emissions Method Code:** 3B - CALCULATED USING EMISSION FACTOR FROM AP-42/FIRE SYSTEM OR OTHER PUBLISHED EMISSIONS CALCULATION SOURCE.

**Calculation of Emissions:** See supplemental information for emission factors & calculations

**Pollutant Comment:**

**Pollutant Code: SO2**

**Pollutant Description:** Sulfur Dioxide

**Is this a Valid Pollutant?** YES

**Include in the Facility** NO

**Emissions Cap?**

**Pollutant Regulatory Code:**

**Primary Control Device:**

**Secondary Control Device:**

**Total % Efficiency of Control:**

**Potential Emissions:** 0.51 tons/year

**Synthetically Limited:** N

**Emission Factor:** 0.00205

**Emission Factor Units:** LB/1000 HP-HR

**Emission Factor Reference:** AP-42 TABLE 3.3-1

**Emissions Method Code:** 3B - CALCULATED USING EMISSION FACTOR FROM AP-42/FIRE SYSTEM OR OTHER PUBLISHED EMISSIONS CALCULATION SOURCE.

**Calculation of Emissions:**

**Pollutant Comment:**

**NEW EU #1: POLLUTANT ALLOWABLE EMISSIONS INFORMATION**

\*\*\* NO POLLUTANT ALLOWABLE EMISSIONS INFORMATION FOUND FOR THIS EU \*\*\*

**NEW EU #1: VISIBLE EMISSIONS INFORMATION****Visible Emissions Subtype: VE12****Basis for Allowable Opacity: RULE****Requested Allowable Opacity  
in Normal Conditions: 12****Requested Allowable Opacity  
in Exceptional Conditions:****Maximum Period of Excess  
Opacity Allowed:****Compliance Test Method(s): EPA METHOD 9****Visible Emissions Comment: Visible Emissions must comply with Table 3 to Subpart 000****NEW EU #1: CONTINUOUS MONITOR INFORMATION**

\*\*\* NO CONTINUOUS MONITOR INFORMATION FOUND FOR THIS EU \*\*\*

**NEW EU #1: SUPPLEMENTARY ITEMS**

Supplementary Item	Applicable?	Waiver Requested?	Attachment?
COMPLIANCE TEST REPORT	No	No	No
Previously submitted? NO Submittal Date:			
DESCRIPTION OF STACK SAMPLING FACILITIES	No	No	No
DETAILED DESCRIPTION OF CONTROL EQUIPMENT	No	No	No
FUEL ANALYSIS OR SPECIFICATION	No	No	No
OPERATION AND MAINTENANCE PLAN	No	No	No
OTHER INFORMATION REQUIRED BY RULE OR STATUTE	No	No	No
PROCEDURES FOR STARTUP AND SHUTDOWN	No	No	No
PROCESS FLOW DIAGRAM	No	No	No
SUPPLEMENTAL INFORMATION FOR CONSTRUCTION PERMIT APPLICATION	Yes	No	Yes

**EU Supplementary Items Comment:****NEW EU #1: SUPPLEMENTARY ATTACHMENTS**

Supplementary Item	Electronic?	Attachment Description	Electronic File Name	Uploaded?
SUPPLEMENTAL INFORMATION FOR CONSTRUCTION PERMIT APPLICATION	No	Supplemental Information is included in Attachment A	N/A	N/A

\*\*\* End of Application for Air Permit - Non-Title V \*\*\*  
Printed on 3/16/2011

**Attachment A**  
**Supplemental Information**

# Supplemental Information

## Rainey Asphalt, LLC

### Introduction

Rainey Asphalt, LLC, located at 4477 East CR 462, Wildwood Florida 34785 is applying for an air construction permit to add a crushing operation to their air permit. This facility is currently permitted to operate a drum mix asphalt plant under permit number 1190050-002-AO.

This facility will rent a crusher and/or hire an outside contractor to come in and perform the crushing operations as needed to crush RAP. The crusher will be a Terex Pegson 4242sr Trakpaktor or similar unit. This unit is a mobile, closed-loop impact crusher equipped with spray bars for dust suppression. A copy of the manufacturer's specification is included in Attachment C. There will be a maximum of two belts associated with this crusher. There is no control equipment associated with the crusher, the emissions are fugitive only.

### Rule Applicability

62-4.070(3)

62-210.370(3)

62-210.300(3)(c)2c

62-210.300(3)(c)2g

62-296.320(4)(c) Unconfined Emissions of Particulate Matter

40 CFR Part 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants. Below are the applicable parts of this subpart that apply to this facility:

#### ***§ 60.670 Applicability and designation of affected facility.***

(a)

*(1) Except as provided in paragraphs (a)(2), (b), (c), and (d) of this section, the provisions of this subpart are applicable to the following affected facilities in fixed or portable nonmetallic mineral processing plants: each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station. Also, crushers and grinding mills at hot mix asphalt facilities that reduce the size of nonmetallic minerals embedded in recycled asphalt pavement and subsequent affected facilities up to, but not including, the first storage silo or bin are subject to the provisions of this subpart.*

#### ***§ 60.672 Standard for particulate matter (PM).***

*(b) Affected facilities must meet the fugitive emission limits and compliance requirements in Table 3 of this subpart 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 as required under §60.11. The requirements in Table 3 of this subpart apply for fugitive emissions from affected facilities without capture systems and for fugitive emissions escaping capture systems.*

*(d) Truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from the requirements of this section.*

**Table 3 to Subpart OOO—Fugitive Emission Limits**

For * * *	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 §§60.670 and 60.671) * * *	The owner or operator must meet the following fugitive emissions limit for crushers at which a capture system is not used * * *	The owner or operator must demonstrate compliance with these limits by conducting * * *
Affected facilities (as defined in §§60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008	10 percent opacity	15 percent opacity	An initial performance test according to §60.11 of this part and §60.675 of this subpart.
Affected facilities (as defined in §§60.670 and 60.671) that commence construction, modification, or reconstruction on or after April 22, 2008	7 percent opacity	12 percent opacity	An initial performance test according to §60.11 of this part and §60.675 of this subpart; and Periodic inspections of water sprays according to §60.674(b) and §60.676(b); and

**§ 60.674 Monitoring of operations.**

- (b) *The owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expeditiously as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under §60.676(b).*

**§ 60.675 Test methods and procedures.**

- (a) *In conducting the performance tests required in §60.8, the owner or operator shall use as reference methods and procedures the test methods in appendices A-1 through A-7 of this part or other methods and procedures as specified in this section, except as provided in §60.8(b). Acceptable alternative methods and procedures are given in paragraph (e) of this section.*
- (c)
- (1) *In determining compliance with the particulate matter standards in §60.672(b) or §60.672(e)(1), the owner or operator shall use Method 9 of Appendix A-4 of this part and the procedures in §60.11, with the following additions:*
- (i) *The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).*
- (ii) *The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources ( e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A-4 of this part, Section 2.1) must be followed.*
- (iii) *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.*
- (3) *When determining compliance with the fugitive emissions standard for any affected facility described under §60.672(b) or §60.672(e)(1) of this subpart, 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 in Table 3 of this subpart must be based on the average of the five 6-minute averages.*
- (e) *The owner or operator may use the following as alternatives to the reference methods and procedures specified in this section:*



- (1) For the method and procedure of paragraph (c) of this section, if emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:
  - (i) Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream.
  - (ii) Separate the emissions so that the opacity of emissions from each affected facility can be read.
- (2) A single visible emission observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met:
  - (i) No more than three emission points may be read concurrently.
  - (ii) All three emission points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points.
  - (iii) If an opacity reading for any one of the three emission points equals or exceeds the applicable standard, then the observer must stop taking readings for the other two points and continue reading just that single point.
- (g) For performance tests involving only Method 9 (40 CFR part 60 Appendix A-4) testing, the owner or operator may reduce the 30-day advance notification of performance test in §60.7(a)(6) and 60.8(d) to a 7-day advance notification.
  - (i) If the initial performance test date for an affected facility falls during a seasonal shut down (as defined in §60.671 of this subpart) of the affected facility, then with approval from the permitting authority, the owner or operator may postpone the initial performance test until no later than 60 calendar days after resuming operation of the affected facility.

**§ 60.676 Reporting and recordkeeping.**

(b)

- (1) Owners or operators of affected facilities (as defined in §§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 §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 Administrator upon request.
- (i) A notification of the actual date of initial startup of each affected facility shall be submitted to the Administrator.
  - (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 Administrator. 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.

**Potential Emissions**

The potential emissions are calculated based on the maximum capacity of 250 tons per hour and annual throughput of 400,000 tons per year.

PM Emissions from Crushing Operations

The emissions from crushing operations are calculated using AP-42 Table 11.19.2-2 Emission Factors for Crushed Stone Processing Operations (lb/Ton). For lack of any other available emission factors, Tertiary Crushing (controlled) was used for the crusher. Screening (controlled) and Conveyor Transfer Point (controlled) are used for the emissions from the screen and transfer belts. The “controlled” emission factors are used because the crusher is equipped with dust suppression spray. The emissions are calculated as follows:

Crushing:

PM – (400,000 tons per year)(0.0012 lbs/ton)/(2000 lbs/ton) = 0.24 tons per year PM

PM10 – (400,000 tons per year)(0.00054 lbs/ton)/(2000 lbs/ton) = 0.108 tons per year PM10

Screening:

PM – (400,000 tons per year)(0.0022 lbs/ton)/(2000 lbs/ton) = 0.44 tons per year PM

PM10 – (400,000 tons per year)(0.00074 lbs/ton)/(2000 lbs/ton) = 0.148 tons per year PM10

Conveyor Transfer Points:

PM – (400,000 tons per year)(0.00014 lbs/ton)/(2000 lbs/ton) = 0.028 tons per year PM

2 Conveyors & 2 Drop - (0.028 tons per year PM)(4 transfer points) = 0.112 tons per year PM

PM10 – (400,000 tons per year)(0.000046 lbs/ton)/(2000 lbs/ton) = 0.0092 tons per year PM10

2 Conveyors & 2 Drop - (0.0092 tons per year PM)(4 transfer points) = 0.0368 tons per year

PM10

Summary Table of PM Emissions from Crushing

Source	PM-Total	PM10
Crushing	0.24	0.108
Screening	0.44	0.148
Conveyor Transfer Points* (4)	0.112	0.0368
<b>TOTAL</b>	<b>0.792</b>	<b>0.2928</b>

\*4 transfer points are used to calculate potential emissions; there will be a maximum of 2 belts and one transfers point from the crusher to the belt. 4 points are used in the calculation to be conservative since contractors may be brought in to conduct the crushing.

Emissions from Crusher Engine

The crusher is powered by a diesel engine. The emissions from the engine are calculated using AP-42 Table 3.3-1 Emissions Factors for Uncontrolled Gasoline and Diesel Industrial Engines.

Emissions are calculated based on the following data:

Maximum annual throughput for the crusher is 400,000 tons per year and 250 tons per hour:  
 $(400,000 \text{ tons per year}) / (250 \text{ tons per hour}) = 1,600 \text{ hours per year}$

$NO_x = (309 \text{ HP engine})(1,600 \text{ hrs/yr})(0.031 \text{ lb/hp-hr}) / (2000 \text{ lbs/ton}) = 7.66 \text{ tons per year } NO_x$

$CO = (309 \text{ HP engine})(1,600 \text{ hrs/yr})(0.00668 \text{ lb/hp-hr}) / (2000 \text{ lbs/ton}) = 1.65 \text{ tons per year } CO$

$SO_x = (309 \text{ HP engine})(1,600 \text{ hrs/yr})(0.00205 \text{ lb/hp-hr}) / (2000 \text{ lbs/ton}) = 0.51 \text{ tons per year } SO_x$

$PM_{10} = (309 \text{ HP engine})(1,600 \text{ hrs/yr})(0.00220 \text{ lb/hp-hr}) / (2000 \text{ lbs/ton}) = 0.54 \text{ tons per year } PM_{10}$

$TOC = (309 \text{ HP engine})(1,600 \text{ hrs/yr})(0.00247 \text{ lb/hp-hr}) / (2000 \text{ lbs/ton}) = 0.60 \text{ tons per year } TOC$

Summary Table of Potential Emissions from Crushing Operation

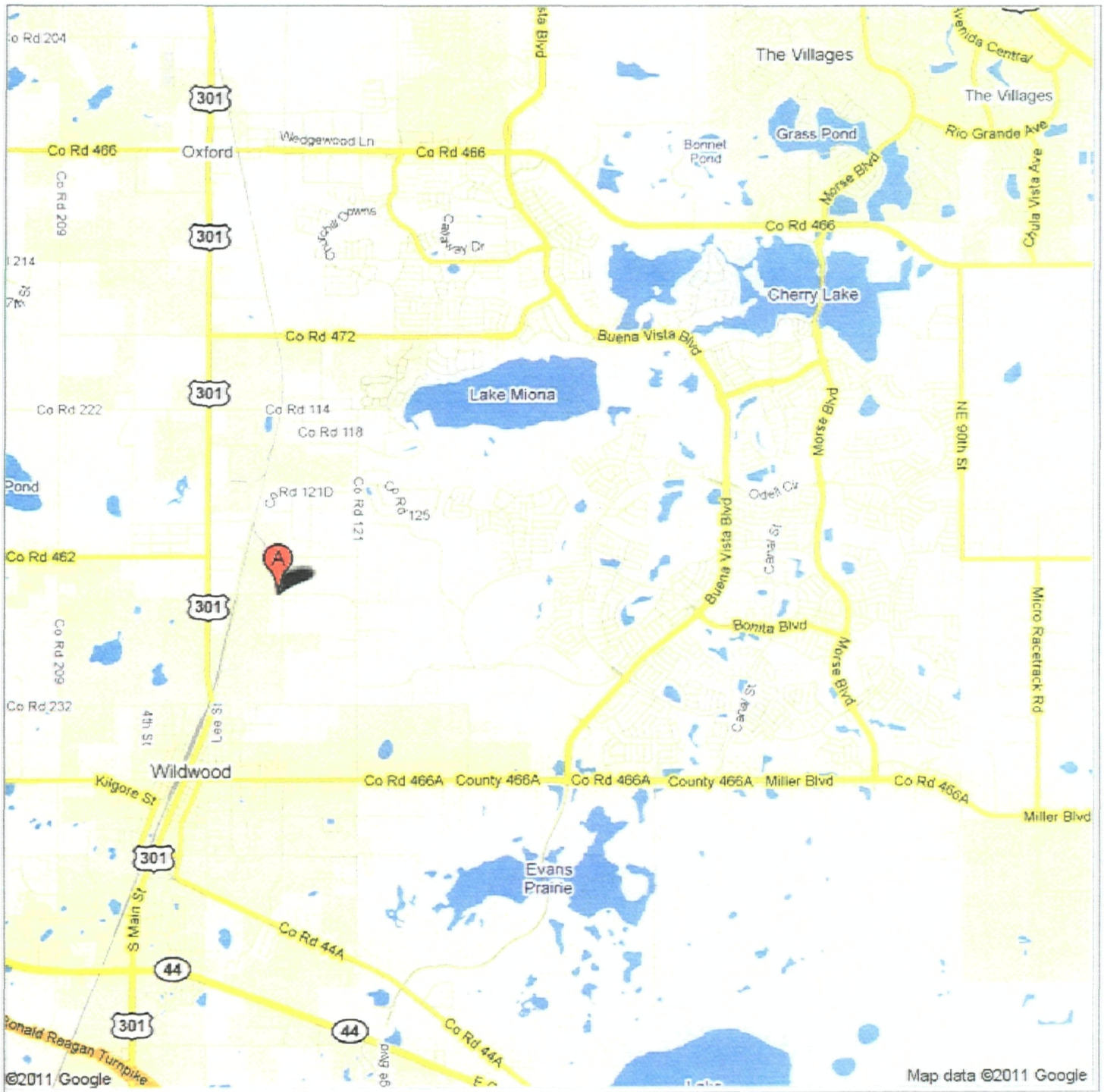
	<b>NO<sub>x</sub></b>	<b>CO</b>	<b>SO<sub>x</sub></b>	<b>PM</b>	<b>PM10</b>	<b>VOC</b>
Crushing				0.79	0.29	
Engine	7.66	1.65	0.51	0.54	0.54	0.60
<b>TOTALS</b>	<b>7.66</b>	<b>1.65</b>	<b>0.51</b>	<b>1.33</b>	<b>0.83</b>	<b>0.60</b>

**Application Fee**

The application fee for a construction permit for an emissions unit having potential emissions of 5 or more tons per year, but less than 25 tons per year, of any single pollutant is \$1000.00

**Attachment B**

**Area Map**



**Attachment C**  
**Equipment Specifications**

# Powerscreen Crushing & Screening

POWERSCREEN CRUSHING & SCREENING

Contact Us: 800-227-0834 Westport Road • Louisville, KY 40245

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## 4242sr Trakpaktor



All in one Tracked Impact Crusher with Product sizing screen & re-circulation facility

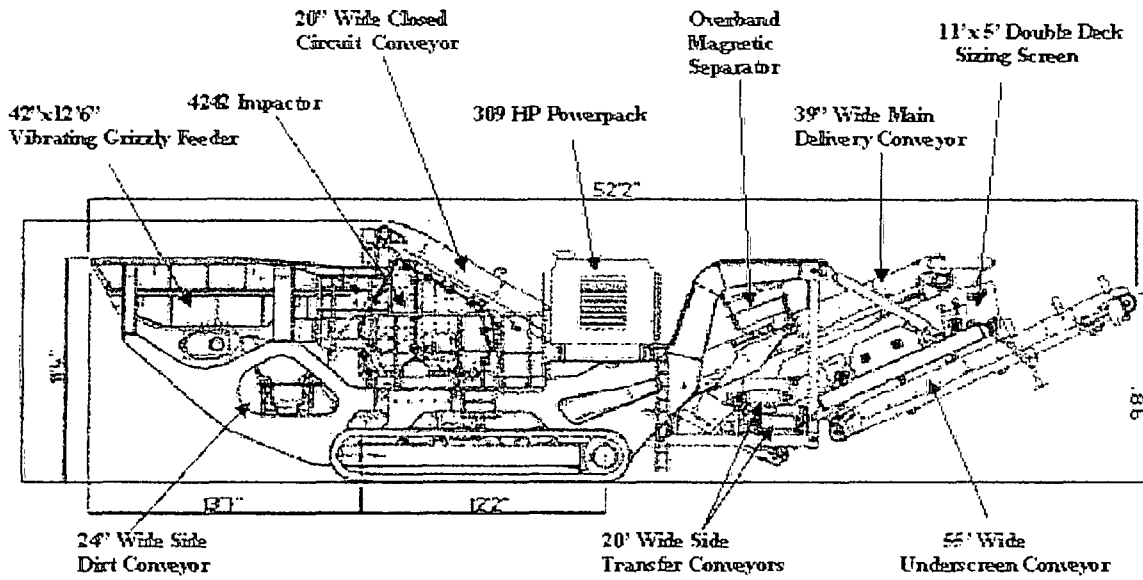
## Advantages

- Rapid set-up time and ease of transportation
- Well proven high performance 42"x42" impact crusher with manganese hammers
- 2 step self cleaning Grizzly with underscreen
- 11' x 5' Double Deck Product screen beneath main conveyor
- Remote control operation
- Two way dirt chute
- Simple access system for screen maintenance
- Fully skirted product conveyor with heavy duty 'rip stop' belt
- Dust suppression sprays
- Magnetic separator fitted as standard
- Available with or without Grinding Path for Quarry or Recycling (specify when ordering)
- Facility to make 1, 2 or 3 products
- Reversible Cross Conveyor allowing use of receiving deck to maximize effective screen area
- Optional mesh sizes for product screen
- Power Take off for additional stockpiling conveyor
- 4242 SR: [MORE INFO](#)

## Pictures







### Videos