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BUREAU OF
AIR REGULATION

Southern Crushing Services, Inc.
Steadman Machine Company
Portable Crushing Unit

**FDEP Statewide Operation Permit
Renewal Application**

April - 1998



Department of Environmental Protection

DIVISION OF AIR RESOURCES MANAGEMENT

APPLICATION FOR AIR PERMIT - SHORT FORM

See Instructions for Form No. 62-210.900(2)

I. APPLICATION INFORMATION

This section of the Application for Air Permit form identifies the facility and provides general information on the scope of this application and the purpose for which this application is being submitted. This section also includes information on the owner or authorized representative of the facility and the necessary statements for the applicant and professional engineer, where required, to sign and date for formal submittal of the Application for Air Permit to the Department. If the application form is submitted to the Department using ELSA, this section of the Application for Air Permit must also be submitted in hard-copy.

Identification of Facility Addressed in This Application

Enter the name of the corporation, business, governmental entity, or individual that has ownership or control of the facility; the facility site name, if any; and the facility's physical location. If known, also enter the facility identification number.


1. Facility Owner/Company Name: Southern Crushing Services, Inc.	
2. Site Name: Southern Crushing Services, Inc.	
3. Facility Identification Number: <input checked="" type="checkbox"/> [X] Unknown	
4. Facility Location: (<i>Location of crushing facility at renewal of permit</i>) Street Address or Other Locator: 12625 - 40th Street North City: Clearwater County: Pinellas Zip Code: 33762	
5. Relocatable Facility? <input checked="" type="checkbox"/> [X] Yes [] No	6. Existing Permitted Facility? <input checked="" type="checkbox"/> [X] Yes [] No

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	April 9, 1998
2. Permit Number:	7770420-001-A0 <i>Renewal</i>

002 *amended*

Owner/Authorized Representative

1. Name and Title of Owner/Authorized Representative: Mr. James E. Cobb, President
2. Owner/Authorized Representative Mailing Address: <i>(Present Mailing Address)</i> Organization/Firm: Southern Crushing Services, Inc. Street Address: Post Office Box 613 City: Valrico State: Florida Zip Code: 33595-0613
3. Owner/Authorized Representative Telephone Numbers: <i>(Current Phone Numbers)</i> Telephone: (813) 685-9175 Fax: () -
4. Owner/Authorized Representative Statement: <i>I, the undersigned, am the owner or authorized representative* of the facility addressed in this Application for Air Permit. 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. Further, I agree to operate and maintain the air pollutant emissions units and air pollution control equipment described in this application 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.</i>  Signature _____ Date _____ <i>James E. Cobb</i>

* Attach letter of authorization if not currently on file.

Scope of Application

This Application for Air Permit addresses the following emissions unit(s) at the facility. An Emissions Unit Information Section (a Section III of the form) must be included for each emissions unit listed.

Emissions Unit ID	Description of Emissions Unit	Permit Type
001	The Steadman Machine Company, Inc., - Grand Slam Model 4260H - grizzly feeder system receiving hopper/crushing system.	AC1E
002	The discharge/recovery pan under the crushing unit.	AC1E
003	The processed material conveying system (where material exits discharge pan to end of conveying belt).	AC1E
004	The drop point at the end of processed material conveying system to top of processed material stockpile.	AC1E
005	The processed material stockpiles and paved and unpaved haul roads.	AC1E
006	400 H.P. No. 2 Virgin Diesel fired (0.5% sulfur limit) Caterpillar - Lima 40kw Mac Generator Set.	

Purpose of Application

This Application for Air Permit is submitted to obtain (check one):

Initial air operation permit for one or more existing, but previously unpermitted, emissions units.

Initial air operation permit for one or more newly constructed or modified emissions units.

Current construction permit number: _____

Air operation permit revision to address one or more newly constructed or modified emissions units.

Current construction permit number: _____

Operation permit to be revised: _____

Air operation permit renewal.

Operation permit to be renewed: AO29-232049

Application Processing Fee

Check one:

Enclosed - Amount: **\$ 1,000.00**

Not Applicable.

Construction/Modification Information


1. Description of Alterations:

This application is for the renewal of the statewide operation permit for this portable reclaimed asphalt and concrete material crushing and processing plant.

LOCATIONS:

Address:	UTM:	Geodetic:
6705 E. Hanna Ave. Tampa, Hillsborough FL. 33610	17-364.2E 3098.1N	28°00'10"N 82°22'45"W
34 th Street Tampa, Hillsborough FL. 33610	17-360.2E 3091.8N	27°56'44"N 82°25'15"W
2315 Marathon Road Odessa, Pasco FL. 33556	17-340.7E 3085.8N	28°11'35"N 82°41'43"W
12955 40 th Street North Clearwater, Pinellas FL. 34622	17-333.1E 3119.5N	27°53'18"N 82°37'16"W
<u>NEW LOCATIONS:</u>		
500 Green Road Laurel, Sarasota FL. 33938	17-362.2E 3004.0N	27°09'12"N 82°23'26"W
40851 Cook Brown Road Fort Myers, Charlotte FL. 33952	17-422.7E 2963.9N	26°47'27"N 81°48'35"W
12165 US HWY. 41 N Palmetto, Manatee FL. 33952	17-347.9E 3056.3N	27°37'27"N 82°32'26"W

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: 1400 Starkey Road City: Largo State: Florida Zip Code: 33771
3. Professional Engineer Telephone Numbers: Telephone: (813) 581-7019 Fax: (813) 585-2222
4. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i> <i>(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</i> <i>(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.</i> <i>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.</i>  _____ Signature _____ Date (seal)

* Attach any exception to certification statement.

Application Contact

1. Name and Title of Application Contact: Mr. Bernard A. Ball, Jr., Environmental Specialist
2. Application Contact Mailing Address: Organization/Firm: Central Florida Testing Laboratories, Inc. Street Address: 1400 Starkey Road City: Largo State: FL. Zip Code: 33771
3. Application Contact Telephone Numbers: Telephone: (813) 581-7019 Fax: (813) 585-2222

Application Comment

Portable reclaimed asphalt and concrete materials crushing and processing plant. The maximum capacity of this plant is ~250 to 300 tons/hour (dependent on material characteristics). In addition, this plant is operated by a No. 2 Virgin Diesel Fired Generator Set when no electrical line power is available maximum fuel consumption is 12.3 gal/hr. Emissions are controlled by a water spray bar dust suppression system mounted at all potential fugitive emission points.

This application is for the renewal of this portable crushing plant's FDEP Statewide Operation Permit with a request for three (3) additional new sites, upon advertisement of public notice for these sites, which were not included on the previous operation permit.

In addition, a request to amend or modify specific condition No. 4 of the previous statewide operation permit to state, that Visible Emission Compliance Tests be performed one time per year as required by other permitted statewide operation permits for similar crushers, in lieu of performing these costly compliance tests each time this crushing plant is relocated.

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1. Facility UTM Coordinates: <i>(Refer to Page 4 of this application for all location Coordinates)</i> Zone: East (km): North (km):			
2. Facility Latitude/Longitude: <i>(Refer to Page 4 of this application for all location Coordinates)</i> Latitude (DD/MM/SS): Longitude (DD/MM/SS):			
3. Governmental Facility Code: 0	4. Facility Status Code: Active	5. Facility Major Group SIC Code: 14	6. Facility SIC(s): 1422
7. Facility Comment (limit to 500 characters): Portable reclaimed asphalt and concrete materials crushing and processing plant. The maximum capacity of this plant is ~ 250 to 300 tons/hour. In addition plant is operated by a No.2 Virgin Diesel (0.5% sulfur limit) Fired Generator Set when no electrical line power is available with maximum fuel consumption rate of 12.3 gal/hr. Emissions are controlled by a water spray bar dust suppression system mounted at all potential emission points.			

Facility Contact

1. Name and Title of Owner/Authorized Representative: Mr. James E. Cobb, President
2. Owner/Authorized Representative Mailing Address: <i>(Present Mailing Address)</i> Organization/Firm: Southern Crushing Services, Inc Street Address: Post Office Box 613 City: Valrico State: Florida Zip Code: 33595-0613
3. Owner/Authorized Representative Telephone Numbers: <i>(Current Phone Numbers)</i> Telephone: (813) 685-9175 Fax: () -

4. Owner/Authorized Representative Statement:

I, the undersigned, am the owner or authorized representative of the facility addressed in this Application for Air Permit. 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. Further, I agree to operate and maintain the air pollutant emissions units and air pollution control equipment described in this application 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.*

James L. Calhoun
Signature

APRIL 6, 1998
Date

Facility Regulatory Classifications

1. Small Business Stationary Source? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown
2. Title V Source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Synthetic Non-Title V Source by Virtue of Previous Air Construction Permit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Construction Permit Number/Issue Date: _____
4. One or More Emission Units Subject to NSPS? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Facility Regulatory Classifications Comment (limit to 200 characters) Natural Non Title V Source, subject to Rules and Regulations of CFR40 – Subpart 000.

B. FACILITY SUPPLEMENTAL INFORMATION

This subsection of the Application for Air Permit form provides supplemental information related to the facility as a whole. (Supplemental information related to individual emissions units within the facility is provided in Subsection III-B of the form.) Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

Supplemental Requirements for All Applications

1. Area Map Showing Facility Location: <input checked="" type="checkbox"/> Attached, Document ID: <u>I</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Facility Plot Plan: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Process Flow Diagram(s): <input checked="" type="checkbox"/> Attached, Document ID: <u>II</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested Water Spray Bar Dust Suppression System with spray heads located on all potential emission points on crushing plant and conveying system. Owner of facility where Crusher located is responsible for Unconfined Particulate Matter from unprocessed stockpiles and vehicular traffic, under there FDEP Operation Permits.

Emissions Unit Control Equipment

A.

1. Description (limit to 200 characters): **Any fugitive emissions that may be generated by the dumping of uncrushed material into the raw material receiving hopper, vibrating grizzly feeder and crushing unit are controlled by water spray heads mounted in the receiving hopper utilized to dampen this uncrushed material. In addition, the raw material that is to be crushed is also dampened in it's stockpile as to control any fugitives generated by prevailing winds and to aid in prevention of fugitives in the crushing and conveying process.**

2. Control Device or Method Code:

061, 099

B.

1. Description (limit to 200 characters):

2. Control Device or Method Code:

C.

1. Description (limit to 200 characters):

2. Control Device or Method Code:

Emissions Unit Details

1. Initial Startup Date:	Not Applicable Existing Plant	
2. Long-term Reserve Shutdown Date:	Not Applicable	
3. Package Unit:	Grand Slam Reclaimed Material Crushing and Processing Plant	
Manufacturer:	Steadman Machine Company, Inc.	Model Number: 4260H
4. Generator Nameplate Rating:	MW	Not Applicable
5. Incinerator Information:	Not Applicable	
Dwell Temperature:	°F	
Dwell Time:	seconds	
Incinerator Afterburner Temperature:	°F	

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate:	N/A	mmBtu/hr
2. Maximum Incineration Rate:	N/A lb/hr	tons/day
3. Maximum Process or Throughput Rate:	~ 250 - 300 ton/hr of Raw, Uncrushed/Reclaimed Asphalt or Concrete (dependent on material characteristics)	
4. Maximum Production Rate:	~ 250 - 300 ton/hr of Crushed Reclaimed Asphalt or Concrete (dependent on material characteristics) .	
5. Operating Capacity Comment (limit to 200 characters):	Material characteristics are based on moisture, density and mixtures of material to be crushed.	

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:		
	8.0 hours/day	5.0 days/week
	52 weeks/year	2080 hours/year

B. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

Supplemental Requirements for All Applications

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: <u> II </u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested *** Department has typical fuel analysis on file. (For generator set only)
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested *** Department has on file.
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input checked="" type="checkbox"/> Attached, Document ID: <u> III </u> <input type="checkbox"/> Previously submitted, Date: _____ <input type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested **** Department has on file
8. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A and B) 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

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 collectively-regulated 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.

Emission Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): This emissions units consists of the – Under Crusher Gathering Hopper / Discharge Pan – where crushed material exits the crushing unit and drops to the conveying system.	
2. Emissions Unit Identification Number: 002 <input type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown	
3. Emissions Unit Status Code: Active	4. Emissions Unit Major Group SIC Code: 14
5. Emissions Unit Comment (limit to 500 characters): 	

Emissions Unit Control Equipment

A.

1. Description (limit to 200 characters): **Any fugitive emissions that may be generated by crushed material dropping from crushing unit onto the Crusher Gathering Hopper / Discharge Pan to the conveying system is controlled by water spray bar system mounted at discharge pan / conveying system. This water spray bar system is used to dampen the material to control any emissions generated coming out of the crusher or being dropped into discharge pan or conveying system. In addition, the raw material that is to be crushed is also dampened in it's stockpile as to control any fugitives generated by prevailing winds and to aid in prevention of fugitives in the crushing and conveying process.**

2. Control Device or Method Code:

061, 099

B.

1. Description (limit to 200 characters):

2. Control Device or Method Code:

C.

1. Description (limit to 200 characters):

2. Control Device or Method Code:

Emissions Unit Details

1. Initial Startup Date:	Not Applicable Existing Plant
2. Long-term Reserve Shutdown Date:	Not Applicable
3. Package Unit:	Grand Slam Reclaimed Material Crushing and Processing Plant
Manufacturer:	Steadman Machine Company, Inc. Model Number: 4260H
4. Generator Nameplate Rating:	Not Applicable
5. Incinerator Information:	Not Applicable
Dwell Temperature:	°F
Dwell Time:	seconds
Incinerator Afterburner Temperature:	°F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate:	N/A	mmBtu/hr
2. Maximum Incineration Rate:	N/A lb/hr	tons/day
3. Maximum Process or Throughput Rate:	~ 250 – 300 ton/hr of Raw, Uncrushed/Reclaimed Asphalt or Concrete (dependent on material characteristics)	
4. Maximum Production Rate:	~ 250 - 300 ton/hr of Crushed Reclaimed Asphalt or Concrete (dependent on material characteristics).	
5. Operating Capacity Comment (limit to 200 characters):	Material characteristics are based on moisture, density and mixtures of material to be crushed.	

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:		
	8.0 hours/day	5.0 days/week
	52 weeks/year	2080 hours/year

B. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

Supplemental Requirements for All Applications

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: <u>II</u> [] Not Applicable [] Waiver Requested
2. Fuel Analysis or Specification [] Attached, Document ID: _____ [] Not Applicable <input checked="" type="checkbox"/> Waiver Requested *** Department has typical fuel analysis on file. (For generator set only.)
3. Detailed Description of Control Equipment [] Attached, Document ID: _____ [] Not Applicable <input checked="" type="checkbox"/> Waiver Requested *** Department has on file.
4. Description of Stack Sampling Facilities [] Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable [] Waiver Requested
5. Compliance Test Report <input checked="" type="checkbox"/> Attached, Document ID: <u>III</u> [] Previously submitted, Date: _____ [] Not Applicable
6. Procedures for Startup and Shutdown [] Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
7. Operation and Maintenance Plan [] Attached, Document ID: _____ [] Not Applicable <input checked="" type="checkbox"/> Waiver Requested *** Department has on file.
8. Other Information Required by Rule or Statute [] Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A and B) 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

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 collectively-regulated 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.

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): This emissions unit consists of crushed or processed material exits discharge pan and is dropped to the plant's conveying system and travels over the conveying system to the next drop point.	
2. Emissions Unit Identification Number: 003 <input type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown	
3. Emissions Unit Status Code: Active	4. Emissions Unit Major Group SIC Code: 14
5. Emissions Unit Comment (limit to 500 characters): 	

Emissions Unit Control Equipment

A.

1. Description (limit to 200 characters): **Any fugitive emissions that may be generated by the conveying of crushed material to the processed material stockpiles by the conveying system from the discharge pan are controlled by water spray heads mounted at the discharge pan and where discharge pan drops processed material to conveying belt. These water spray heads are used to dampen the material as to control any fugitive emissions that may be generated from conveying of crushed fine material. In addition, the raw material that is to be crushed is also dampened in it's stockpile as to control any fugitives generated by prevailing winds and to aid in prevention of fugitives in the crushing and conveying process.**

2. Control Device or Method Code:

061,099

B.

1. Description (limit to 200 characters):

2. Control Device or Method Code:

C.

1. Description (limit to 200 characters):

2. Control Device or Method Code:

Emissions Unit Details

1. Initial Startup Date:	Not Applicable Existing Plant	
2. Long-term Reserve Shutdown Date:	Not Applicable	
3. Package Unit:	Grand Slam Reclaimed Material Crushing and Processing Plant	
Manufacturer:	Steadman Machine Company, Inc.	Model Number: 4260H
4. Generator Nameplate Rating:	Not Applicable	MW
5. Incinerator Information:	Not Applicable	
Dwell Temperature:		°F
Dwell Time:		seconds
Incinerator Afterburner Temperature:		°F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate:	N/A	mmBtu/hr
2. Maximum Incineration Rate:	N/A	lb/hr tons/day
3. Maximum Process or Throughput Rate:	~ 250 – 300 ton/hr of Raw, Uncrushed/Reclaimed Asphalt or Concrete (dependent on material characteristics)	
4. Maximum Production Rate:	~ 250 - 300 ton/hr of Crushed Reclaimed Asphalt or Concrete (dependent on material characteristics).	
5. Operating Capacity Comment (limit to 200 characters):	Material characteristics are based on moisture, density and mixtures of material to be crushed.	

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:		
	8.0 hours/day	5.0 days/week
	52 weeks/year	2080 hours/year

B. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

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Supplemental Requirements for All Applications

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3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested *** Department has on file.
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input checked="" type="checkbox"/> Attached, Document ID: <u>III</u> <input type="checkbox"/> Previously submitted, Date: _____ <input type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested *** Department has on file.
8. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A and B) 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

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 collectively-regulated 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.

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): The emissions unit consists of the conveying system drop point where the processed crushed material is discharged from the end of the conveying system and drops to stock piles.	
2. Emissions Unit Identification Number: 004 <input type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown	
3. Emissions Unit Status Code: Active	4. Emissions Unit Major Group SIC Code: 14
5. Emissions Unit Comment (limit to 500 characters): 	

Emissions Unit Control Equipment

A.

1. Description (limit to 200 characters): Any fugitive emissions that may be generated from the drop point where crushed material leaves the plant conveying system and is dropped onto the stock pile is controlled by water spray bar system mounted at the drop point. This water spray bar system is used to dampen the material as to prevent any airborne fugitive emissions at this drop point, to control any emissions generated by prevailing winds. In addition, the raw material that is to be crushed is also dampened in it's stockpile as to control any fugitives generated by prevailing winds and to aid in prevention of fugitives in the crushing and conveying process.

2. Control Device or Method Code:

061,099

B.

1. Description (limit to 200 characters):

2. Control Device or Method Code:

C.

1. Description (limit to 200 characters):

2. Control Device or Method Code:

Emissions Unit Details

1. Initial Startup Date:	Not Applicable Existing Plant	
2. Long-term Reserve Shutdown Date:	Not Applicable	
3. Package Unit:	Grand Slam Reclaimed Material Crushing and Processing Plant	
Manufacturer:	Steadman Machine Company, Inc.	Model Number: 4260H
4. Generator Nameplate Rating:	Not Applicable	MW
5. Incinerator Information:	Not Applicable	
Dwell Temperature:		°F
Dwell Time:		seconds
Incinerator Afterburner Temperature:		°F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate:	N/A	mmBtu/hr
2. Maximum Incineration Rate:	N/A lb/hr	tons/day
3. Maximum Process or Throughput Rate:	~ 250 – 300 ton/hr of Raw, Uncrushed/Reclaimed Asphalt or Concrete (dependent on material characteristics)	
4. Maximum Production Rate:	~ 250 - 300 ton/hr of Crushed Reclaimed Asphalt or Concrete (dependent on material characteristics).	
5. Operating Capacity Comment (limit to 200 characters):	Material characteristics are based on moisture, density and mixtures of material to be crushed.	

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:		
	8.0 hours/day	5.0 days/week
	52 weeks/year	2080 hours/year

B. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

Supplemental Requirements for All Applications

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: <u>II</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested *** Department has typical fuel analysis for this facility on file. (Generator Set only.)
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested *** Department has on file.
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input checked="" type="checkbox"/> Attached, Document ID: <u>III</u> <input type="checkbox"/> Previously submitted, Date: _____ <input type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested **** Department has on file.
8. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A and B) 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

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 collectively-regulated 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.

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): These emissions consist of Fugitive Emissions from Unpaved Roads and Stockpiles @ various sites. (Worst Case Scenario)	
2. Emissions Unit Identification Number: 005 <input type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown	
3. Emissions Unit Status Code: Active	4. Emissions Unit Major Group SIC Code: 14
5. Emissions Unit Comment (limit to 500 characters): Fugitive Emissions from Unpaved Roads and Stockpiles based on worst case scenario. All roads and stockpiles are watered continuously by water truck. Vehicular traffic speed limits are posted and enforced at a maximum of 5 m.p.h. by Crushing Plant owner and site owned management.	

Emissions Unit Control Equipment

A.

1. Description (limit to 200 characters): **Fugitive Emissions from Unpaved Roads and Stockpiles based on worst case scenario. All roads and stockpiles are watered continuously by water truck usually by site owner or management. Vehicular traffic speed limits are posted and enforced at a maximum of 5 m.p.h. by crusher owner and site management.**

2. Control Device or Method Code:

061,099

B.

1. Description (limit to 200 characters):

2. Control Device or Method Code:

C.

1. Description (limit to 200 characters):

2. Control Device or Method Code:

Emissions Unit Details

1. Initial Startup Date:	Not Applicable Existing Plant	
2. Long-term Reserve Shutdown Date:	Not Applicable	
3. Package Unit:	Grand Slam Reclaimed Material Crushing and Processing Plant	
Manufacturer:	Steadman Machine Company, Inc.	Model Number: 4260H
4. Generator Nameplate Rating:	Not Applicable	MW
5. Incinerator Information:	Not Applicable	
	Dwell Temperature:	°F
	Dwell Time:	seconds
	Incinerator Afterburner Temperature:	°F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate:	N/A	mmBtu/hr
2. Maximum Incineration Rate:	N/A lb/hr	tons/day
3. Maximum Process or Throughput Rate:	~ 250 – 300 ton/hr of Raw, Uncrushed/Reclaimed Asphalt or Concrete (dependent on material characteristics)	
4. Maximum Production Rate:	~ 250 – 300 ton/hr of Crushed Reclaimed Asphalt or Concrete (dependent on material characteristics).	
5. Operating Capacity Comment (limit to 200 characters):	Material characteristics are based on moisture, density and mixtures of material to be crushed.	

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:		
	8.0 hours/day	5.0 days/week
	52 weeks/year	2080 hours/year

B. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

Supplemental Requirements for All Applications

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: <u>II</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested *** Department has typical fuel analysis for this facility on file. (Generator Set only)
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested *** Department has on file.
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input checked="" type="checkbox"/> Attached, Document ID: <u>III</u> <input type="checkbox"/> Previously submitted, Date: _____ <input type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested *** Department has on file.
8. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A and B) 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

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 collectively-regulated 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.

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): These emissions consist of Uncontrolled Emissions from a No.2 Virgin Diesel Fired 400 H.P. Caterpillar-Lima 40Kw Mac Generator Set. (Sulfur Limit 0.5% by weight.) Scenario)	
2. Emissions Unit Identification Number: 005 <input type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown	
3. Emissions Unit Status Code: Active	4. Emissions Unit Major Group SIC Code: 14
5. Emissions Unit Comment (limit to 500 characters): Emissions from this generator set are controlled by limiting fuel oil burned to Virgin No. 2 Diesel Fuel with a 0.5% sulfur limit by weight. This unit is used only when no electrical line power is applicable.	

Emissions Unit Control Equipment

A.

1. Description (limit to 200 characters): There are no emission controls on this unit with the exception that this unit is only fired on No. 2 Virgin Diesel Fuel with a 0.5% sulfur limit.
2. Control Device or Method Code: <p style="text-align: center;">099</p>

B.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

C.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

Emissions Unit Details

1. Initial Startup Date:	Not Applicable Existing Plant	
2. Long-term Reserve Shutdown Date:	Not Applicable	
3. Package Unit:	400 H.P. Diesel Fired Generator Set	
Manufacturer:	Caterpillar-Lima	Model Number: 400Kw Mac
4. Generator Nameplate Rating:	Not Applicable	MW
5. Incinerator Information:	Not Applicable	
Dwell Temperature:		°F
Dwell Time:		seconds
Incinerator Afterburner Temperature:		°F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate:	N/A	mmBtu/hr
2. Maximum Incineration Rate:	N/A lb/hr	tons/day
3. Maximum Process or Throughput Rate:	~ 12.3 gal/hr of Virgin Diesel Fuel (0.5% sulfur limit) to produce 40Kw.	
4. Maximum Production Rate:	~ 12.3 gal/hr of Virgin Diesel Fuel (0.5% sulfur limit) to produce 40Kw.	
5. Operating Capacity Comment (limit to 200 characters):		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:		
	8.0 hours/day	5.0 days/week
	52 weeks/year	2080 hours/year

B. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

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4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input checked="" type="checkbox"/> Attached, Document ID: <u>III</u> <input type="checkbox"/> Previously submitted, Date: _____ <input type="checkbox"/> Not Applicable
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7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested *** Department has on file.
8. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

TABLE OF CONTENTS

I. FACILITY LOCATION

II. FLOW DIAGRAM

**III. COMPLIANCE TEST
REPORTS**

I. FACILITY LOCATION



©1993 DeLorme Mapping

LEGEND

- Population Center
- State Route
- ◇ Town, Small City
- ▭ Interstate, Turnpike
- ▭ US Highway
- ✈ Airfield
- - - County Boundary
- ▬ Major Street/Road

- ▬ State Route
- ▬ Interstate Highway
- ▬ US Highway
- ▭ Open Water

Scale 1:125,000 (at center)

2 Miles

2 KM

Mag 12.00
Fri Feb 06 15:53:38 1998

II. FLOW DIAGRAM

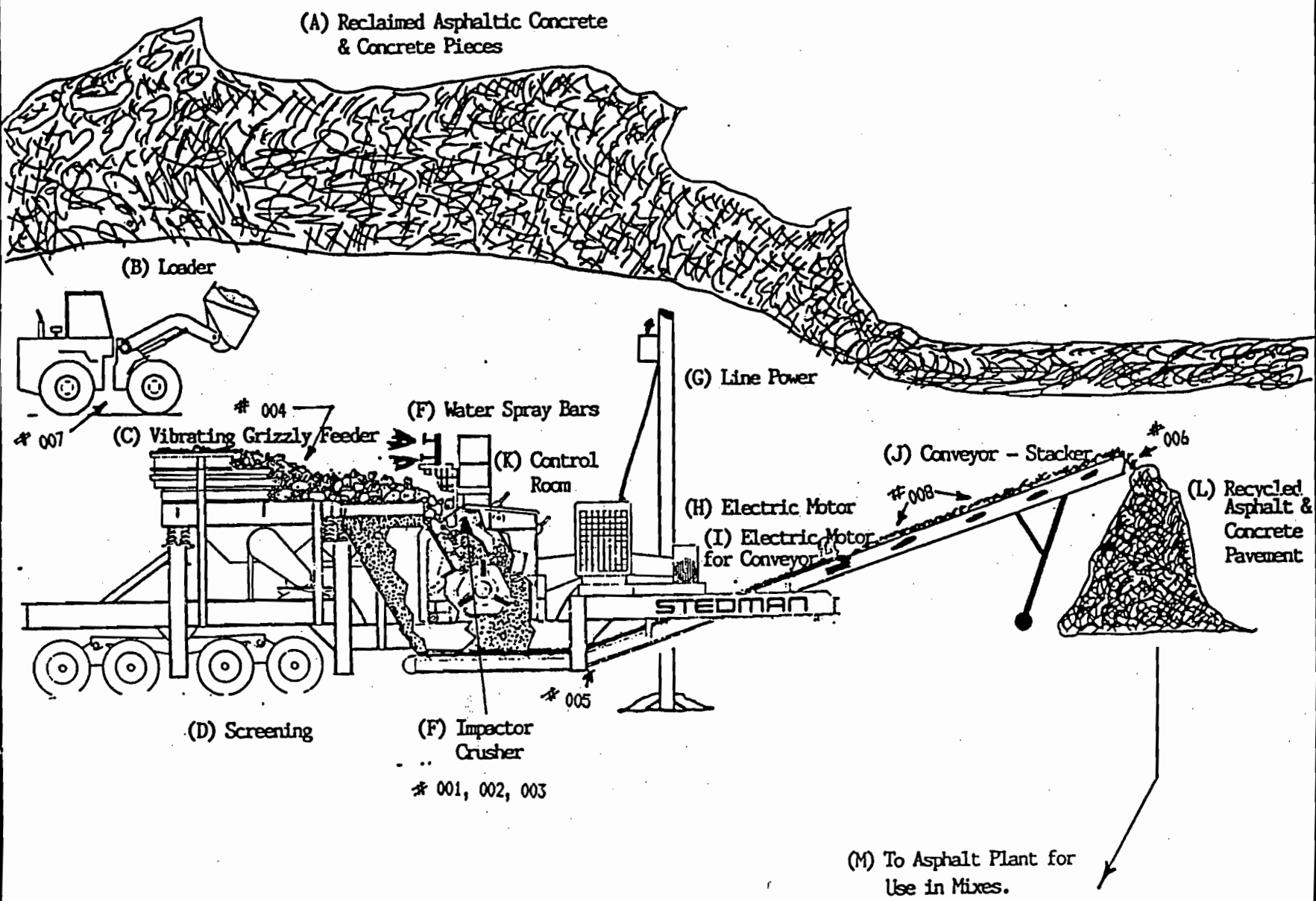


Southern Crushing Services, Inc.

Portable Secondary Crushing Plant

FDER - HCEPC Existing Construction Permit

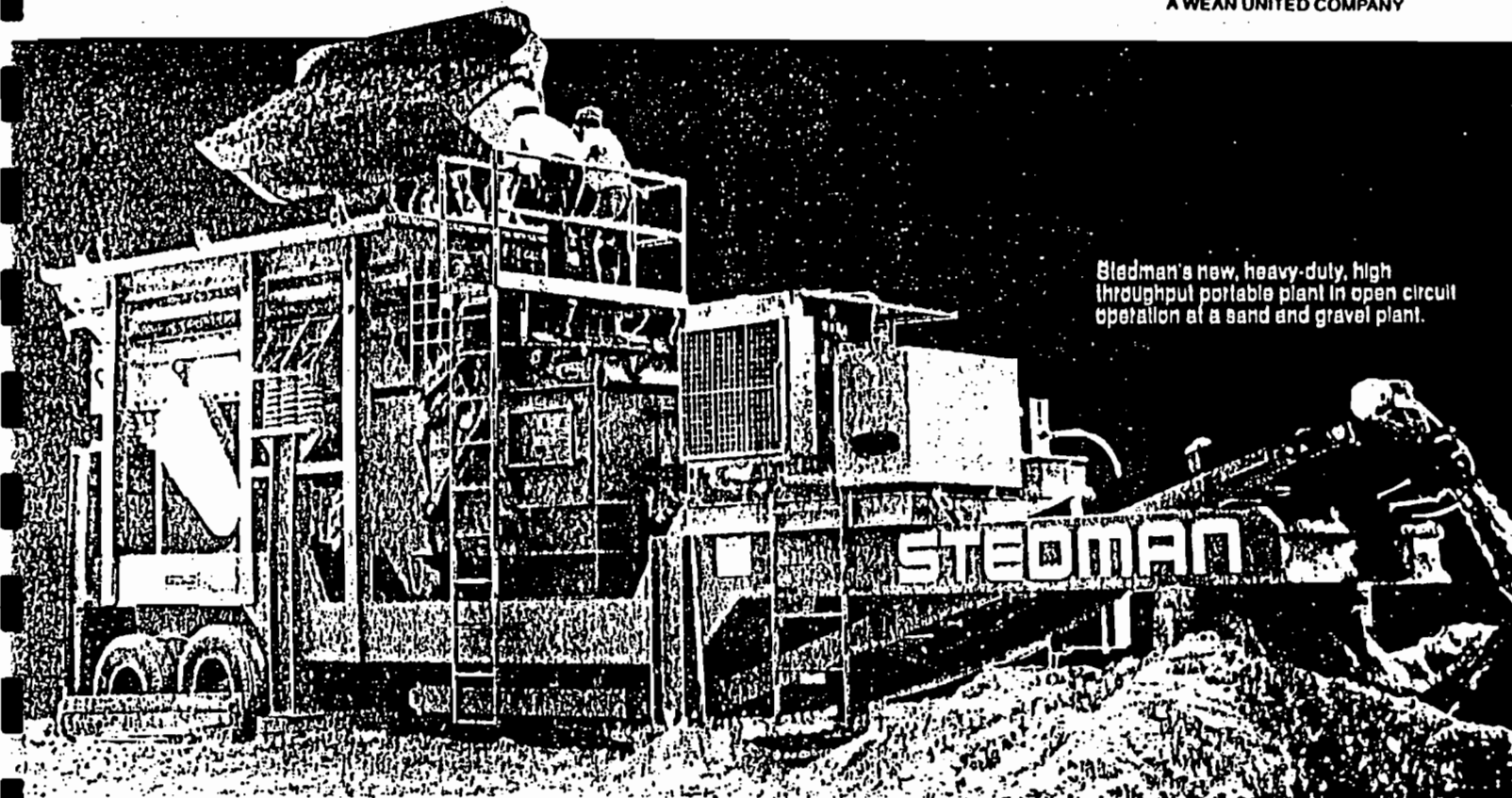
Flow Diagram



New portable Grand Slam secondary crushing plant

STEDMAN MACHINE COMPANY, INC.

A WEAN UNITED COMPANY



Stedman's new, heavy-duty, high throughput portable plant in open circuit operation at a sand and gravel plant.

Portable secondary impact crusher

Stedman's new, rugged, totally self-contained 250-300 tph Portable Secondary Impact plant is designed for one-man operation, versatility in application, ease of maintenance and superior mobility for fast, safe relocation. The high performance plant is ideally suited for multiple site operations in the crushing of gravel, limestone, asphalt reclaiming, non-metallic minerals beneficiation, glass recycling and concrete and brick reclamation.

The Grand Slam impactor is quickly opened for inspection and changeout of wear parts. All motors are readily accessible. Bolt and drive guards are designed for serviceability. The operator platform is equipped with a full control pendant.

You can purchase, lease or rent a new Stedman portable plant with confidence. Stedman has been building high performance crushing equipment for the aggregate, fertilizer, slag, coal and chemical processing industries for more than 150 years. Today, Stedman is a recognized leader worldwide in impact crushing, grinding and pulverizing technology.

Vibrating grizzly feeder

The plant is equipped with a single deck 57" x 16' vibrating grizzly feeder with ship channel side members and heavy-duty

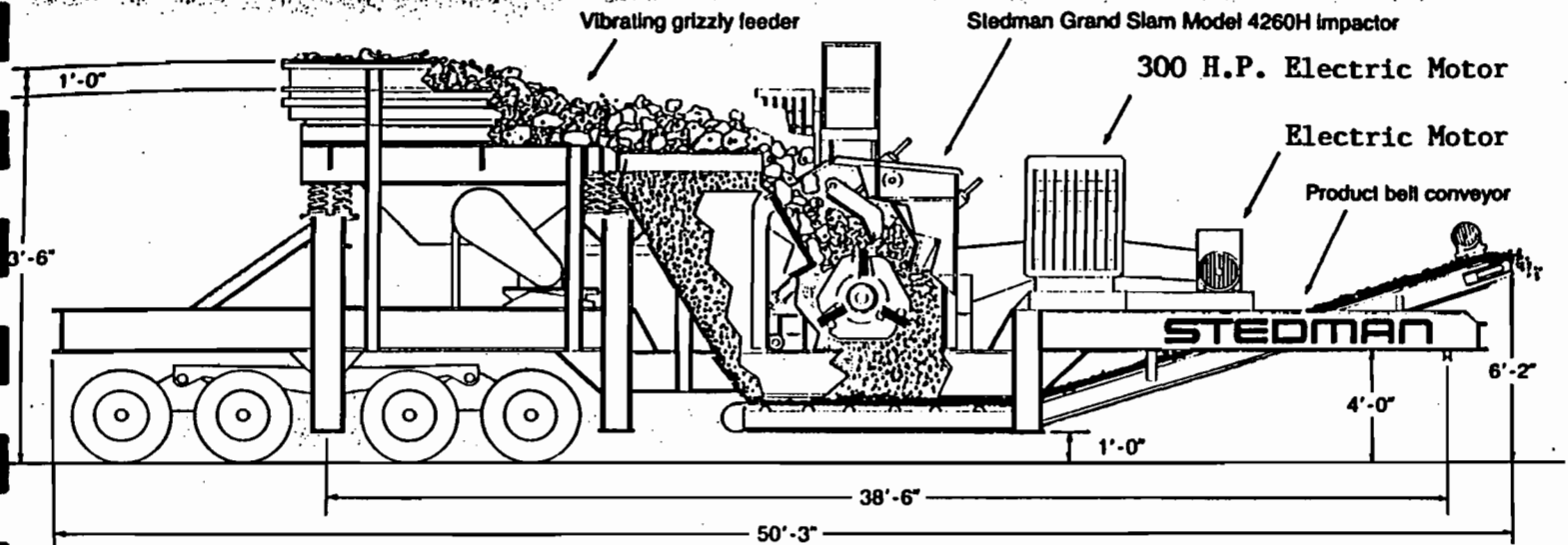
1/2" hot rolled steel plating. The feeder is equipped with a 5' long grizzly section having 1/2" x 1 1/2" lapped openings for fines removal. The feeder is powered separately by a 30 hp electric motor with guarded V-belt drive. The twin-shafted drive mechanism has four self-contained oil lubricated 120mm bearings for extended service. The motor is electrically braked when stopped for a smooth rundown. Vertical coil springs are mounted at each corner of the grizzly feeder.

Stedman field-proven Grand Slam impactor

The Stedman 4260H secondary impact crusher is all-American made with a large, lined, abrasion-resistant chamber and 20" x 61" inlet opening, and is permanently mounted to the chassis. The mill's front housing, along with the fines bypass chute, are hydraulically opened for easy access and maintenance. The exclusive Stedman wedge and C-clamp concept provides for the horizontal removal of breaker bars by one man in 1 hour.

A taper-lock rotor mounting provides for maximum torque transmission without creating stress risers. Over-size spherical roller bearings are encased in extra-heavy-duty steel housings with special taconite-type labyrinth seals for unexcelled bearing life. The breaker plates are shaft suspended from the front and from hangers in the rear, allowing for continuous gap adjustment as wear progresses for superior product control.

Portable secondary crushing plant specifications All dimensions and weights are approximate and should not be used for construction purposes.



Stedman reserves the right without prior notice to change specifications in this flyer as designs are altered or improved.

Discharge conveyor

Product discharge is from the front via a 42" wide x 26'-10" long inclined belt conveyor. The system is equipped with 20° idlers and impact idlers under the crusher. Power is from a 10 hp fully-guarded easy access electric motor and shaft mounted gear reducer.

Feeder

Overall Size: 57" x 16' Vibrating Grizzly Feeder
Grizzly Section Size: 5' with tapered 1/2" x 1 1/2" openings
Power: 30 hp electric motor, V-belt drive, guarded

Conveyor

Size: 42" wide x 26'-10" long incline
Power: 10 hp electric motor, gear reduction drive, guarded

engine and generator

Type: Model 3406TA Caterpillar, Size: 400 hp
Generator Type: Lima 40KW MAC

Portable chassis

Structure: Chassis and structure of all welded steel construction with necessary platforms, ladders, handrails, kingpin, and jacking supports prepared for highway transport
Running Gear: Four axles, sixteen (16) 10 x 20 tires/rims, load equalizers, air brakes, running lights and mud flaps
Load: Gross weight—90,000 lbs., Rear 4 axles—58,000 lbs. (14,500 lbs. per axle), Kingpin—32,000 lbs.
Travel Dimensions—Length: 50'-3"; Width: 10'-4"; Height: 13'-6"

Controls: Dual system featuring sequential starting of equipment, full control at ground level and full remote pendant control for use by operator while on platform

Application data

Production Rates: 250-300 tph capacity range depending on feed material characteristics
Feed Types and Sizes:
Stone and gravel—8" to 10"
Asphalt—slabs, irregular shapes and planer products
Concrete reclamation
Crusher Discharge: Nominal open circuit product for stone/gravel is 98% to 100% minus 1 1/2", 85% minus 3/4". Gradations are variable based on crusher speed, breaker plate/breaker bar settings and specific material characteristics.

Portable secondary crushing plant specifications

Crusher

Model: Stedman 4260H Grand Slam secondary impactor
Weight: 24,000 lbs.
Rotor Diameter: 42", open disc type, welded, stress relieved and dynamically balanced
Rotor Assembly: 3 rows of breaker bars
Horsepower: 400 hp, V-belt drive
Feed Opening: 20" x 61"
Breaker Bars: Manganese or high chrome steel
Breaker Plates: High chrome or heat-treated alloy steel
Housing Liners: High chrome or heat-treated alloy steel
Bearings: Spherical roller bearings, grease lubricated with taconite-type double cavity block seals
Access: Front housing cover hydraulically actuated, rear and side door access

STEDMAN MACHINE COMPANY, INC.

A WEAN UNITED COMPANY • AURORA, INDIANA 47001 • PHONE (812) 926-0038 • TELEX 24-1656

SINCE 1834

**III. COMPLIANCE TEST
REPORTS**



CENTRAL FLORIDA TESTING LABORATORIES, INC.
VISIBLE EMISSIONS OBSERVATION FORM

METHOD USED (CIRCLE ONE)
METHOD 9 203A 203B OTHER:

COMPANY NAME: Southern Crushing Services
STREET ADDRESS: 40th Street North CITY: Clearwater
MAILING ADDRESS: P.O. Box 613
CITY: Valrico STATE: FL ZIP: 33594
PHONE/KEY CONTACT: Ed Cobb SOURCE PERMIT NUMBER: A029-232049

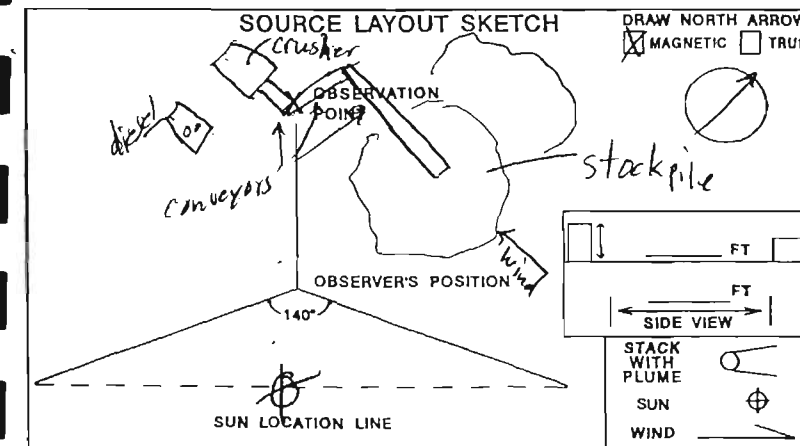
PROCESS EQUIPMENT: Portable Crusher - Conveyor drop #1 OPERATING MODE: ~135 tph
CONTROL EQUIPMENT: Water Spray OPERATING MODE: Continuous

DESCRIBE EMISSION PT.: Drop point from crusher conveyor to first conveyor
DISTANCE TO EMISS. PT.: START ~115' END ~115' DIRECTION TO EMISS. PT. (DEGREES): START ~330° END ~330°
HEIGHT OF EMISS. PT.: START ~4' END ~4' HEIGHT TO EMISS. PT. REL. TO OBSERVER: START ~-1' END ~-1'

VERTICAL ANGLE TO OBS. PT.: START ~-1° END ~-1° DIRECTION TO OBS. PT. (DEGREES): START ~330° END ~330°
APPROX. DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV. PT.: START Observed at Drop Point END Same

DESCRIBE EMISSIONS: START None END None
EMISSION COLOR: WATER DROPLET PLUME
START NA END NA ATTACHED DETACHED NONE

DESCRIBE PLUME BACKGROUND: START Uncrushed RAP Pile END Uncrushed RAP Pile
BACKGROUND COLOR: START Gray END Gray SKY CONDITIONS: START Clear END Clear
WIND SPEED: START ~1-3 mph END ~1-3 mph WIND DIRECTION: START East END East
AMBIENT TEMPERATURE: START ~66°F END ~66°F WET BULB TEMP. PERCENT RH



LAT: LONG: DECLINATION

ADDITIONAL INFORMATION: * = Loader dump into crusher
27 drops * x 2.5 tons/drop = 67.5 tons

FORM NUMBER PAGE OF

CONTINUED ON YEO NUMBER

OBSERVATION DATE: 2/10/98 START TIME: 10:03 AM END TIME: 10:33 AM

MIN	0	15	30	45	MIN	0	15	30	45
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2	0*	0	0	0*	32				
3	0	0	0	0	33				
4	0*	0	0	0	34				
5	0	0	0*	0	35				
6	0	0	0	0	36				
7	0*	0	0	0	37				
8	0	0	0*	0	38				
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29	0	0*	0	0	59				
30	0	0*	0	0	60				

AVERAGE OPACITY: 0% HIGHEST SIX MINUTE INTERVAL: 06

OBSERVER'S NAME (PRINT): Russell B. Keith
OBSERVER'S SIGNATURE: Russell B. Keith DATE: 2/10/98
ORGANIZATION: CFTL
CERTIFIED BY: ETA - Tampa DATE: 8/97



CENTRAL FLORIDA TESTING LABORATORIES, INC.
VISIBLE EMISSIONS OBSERVATION FORM

METHOD USED (CIRCLE ONE) METHOD A 203A 203B OTHER:

COMPANY NAME Southern Crushing Services
STREET ADDRESS 40th Street North CITY Clearwater
MAILING ADDRESS P.O. Box 613
CITY Valrico STATE FL ZIP 33594
PHONE/KEY CONTACT SOURCE PERMIT NUMBER A029-232049

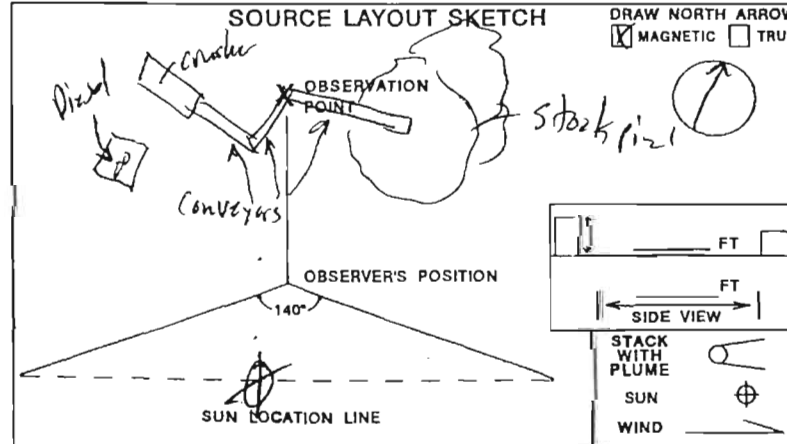
PROCESS EQUIPMENT Portable Crusher - Conveyor Dap # 2 OPERATING MODE ~135 tph
CONTROL EQUIPMENT Water Spray OPERATING MODE Continuous

DESCRIBE EMISSION PT. Drop Point from first conveyor to second conveyor where material goes through screen
DISTANCE TO EMISS. PT. START ~160' END ~160' DIRECTION TO EMISS. PT. (DEGREES) START 338° END 338°
HEIGHT OF EMISS. PT. START ~5-10' END ~5-10' HEIGHT TO EMISS. PT. REL. TO OBSERVER START ~0-5' END ~0-5'

VERTICAL ANGLE TO OBS. PT. START ~3° END ~3° DIRECTION TO OBS. PT. (DEGREES) START ~338° END ~338°
APPROX. DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV. PT. START Observed 1' above screen END Observed 1' Above Screen

DESCRIBE EMISSIONS START None END None
EMISSION COLOR START NA END NA WATER DROPLET PLUME ATTACHED DETACHED NONE

DESCRIBE PLUME BACKGROUND START Sky END Sky
BACKGROUND COLOR START Blue END Blue SKY CONDITIONS START Clear END Clear
WIND SPEED START ~1-3mph END ~1-3mph WIND DIRECTION START EAST END EAST
AMBIENT TEMPERATURE START ~66°F END ~66°F WET BULB TEMP. PERCENT RH



LAT: LONG: DECLINATION

ADDITIONAL INFORMATION
* = loader dumped into crusher
27 drops x ~2.5 tons/drop = 67.5 tons/30 min

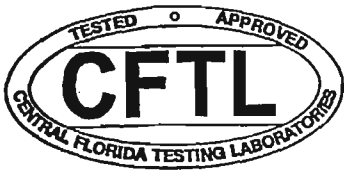
FORM NUMBER PAGE OF
CONTINUED ON VEO NUMBER

OBSERVATION DATE 2/10/98 START TIME 10:09 AM END TIME 10:39 AM

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7	0	0	0	0	0	37					
8	0	0	0	0	0	38					
9	0	0	0	0	0	39					
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11	0	0	0	0	0	41					
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15	0	0	0	0	0	45					
16	0	0	0	0	0	46					
17	0	0	0	0	0	47					
18	0	0	0	0	0	48					
19	0	0	0	0	0	49					
20	0	0	0	0	0	50					
21	0	0	0	0	0	51					
22	0	0	0	0	0	52					
23	0	0	0	0	0	53					
24	0	0	0	0	0	54					
25	0	0	0	0	0	55					
26	0	0	0	0	0	56					
27	0	0	0	0	0	57					
28	0	0	0	0	0	58					
29	0	0	0	0	0	59					
30	0	0	0	0	0	60					

AVERAGE OPACITY 0% HIGHEST SIX MINUTE INTERVAL 08

OBSERVER'S NAME (PRINT) Russell B. Keith
OBSERVER'S SIGNATURE Russell B. Keith DATE 2/10/98
ORGANIZATION CFTL
CERTIFIED BY ETA - Tampa DATE 8/97



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 MAILING ADDRESS: P.O. Box 613
 CITY: Valrico STATE: FL ZIP: 33594
 PHONE/KEY CONTACT: Ed Cobb SOURCE PERMIT NUMBER: A029-232049

PROCESS EQUIPMENT: Portable Crusher - Final Conveyor Drop OPERATING MODE: ~170 tph
 CONTROL EQUIPMENT: Water Spray to stockpile OPERATING MODE: Continuous

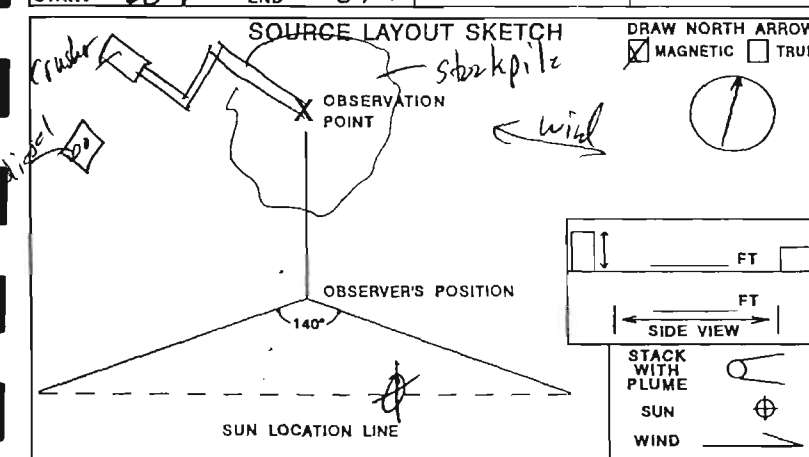
DESCRIBE EMISSION PT.: Conveyor drop to stockpile

DISTANCE TO EMISS. PT. START ~90' END ~90' DIRECTION TO EMISS. PT. (DEGREES) START ~358° END ~358°
 HEIGHT OF EMISS. PT. START ~18' END ~18' HEIGHT TO EMISS. PT. REL. TO OBSERVER START ~12' END ~12'

VERTICAL ANGLE TO OBS. PT. START ~18° END ~18° DIRECTION TO OBS. PT. (DEGREES) START ~358° END ~358°
 APPROX. DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV. PT. START Observed at Emission Point END Observed at Emission Point

DESCRIBE EMISSIONS: START None END None
 EMISSION COLOR: START NA END NA WATER DROPLET PLUME: ATTACHED DETACHED NONE

DESCRIBE PLUME BACKGROUND: START Sky END Sky
 BACKGROUND COLOR: START Blue END Blue SKY CONDITIONS: START Clear END Clear
 WIND SPEED: START ~1-3 mph END ~1-3 mph WIND DIRECTION: START East END East
 AMBIENT TEMPERATURE: START ~66°F END ~67°F WET BULB TEMP. PERCENT RH



LAT: LONG: DECLINATION:

ADDITIONAL INFORMATION: * = load dump into crusher
34 drops x ~2.5 ton/drop = ~85 tons / 30 min

FORM NUMBER: PAGE OF

CONTINUED ON VEO NUMBER:

OBSERVATION DATE: 2/10/98 START TIME: 10:35 AM END TIME: 11:05 AM

MIN	SEC	0	15	30	45	MIN	SEC	0	15	30	45
1	0*	0	0	0	0	31					
2	0	0*	0	0	0	32					
3	0	0	0*	0	0	33					
4	0	0*	0	0	0	34					
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8	0	0*	0	0	0	38					
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24	0*	0	0	0	0	54					
25	0	0	0*	0	0	55					
26	0	0	0*	0	0	56					
27	0*	0	0	0*	0	57					
28	0	0*	0	0	0	58					
29	0	0*	0	0	0	59					
30	0	0	0*	0	0	60					

AVERAGE OPACITY: 0% HIGHEST SIX MINUTE INTERVAL: 0%

OBSERVER'S NAME (PRINT): Russell B. Keith
 OBSERVER'S SIGNATURE: Russell B. Keith DATE: 2/10/98
 ORGANIZATION: CFTL
 CERTIFIED BY: ETA-Tampa DATE: 8/97



CENTRAL FLORIDA TESTING LABORATORIES, INC.
VISIBLE EMISSIONS OBSERVATION FORM

METHOD USED (CIRCLE ONE) **METHOD 9** 203A 203B OTHER:

COMPANY NAME: *Southern Crushing Services, Inc.*
STREET ADDRESS: *40th Street North* CITY: *Clearwater*
MAILING ADDRESS: *Post Office Box 613*
CITY: *Valrico* STATE: *FL* ZIP: *33594*
PHONE/KEY CONTACT: *Ed Cobb* SOURCE PERMIT NUMBER: *A029-232049*

PROCESS EQUIPMENT: *GRAND SLAM PORTABLE CRUSHER* OPERATING MODE: *≈ 105 tons/hr*
CONTROL EQUIPMENT: *WATER SPRAY* OPERATING MODE: *Continuous*

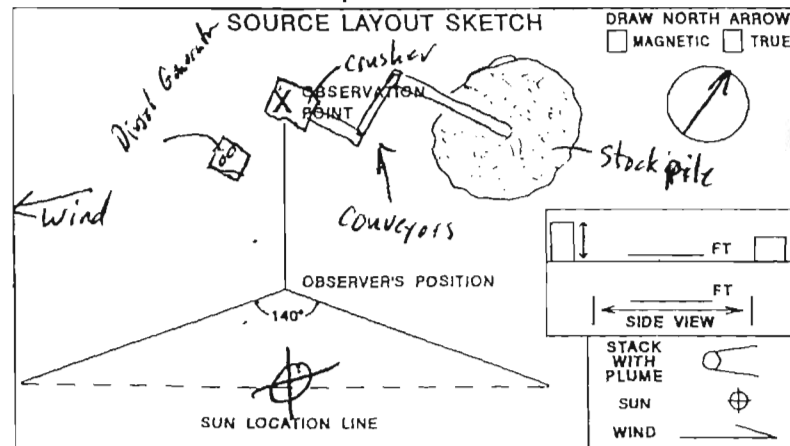
DESCRIBE EMISSION PT.: *Bin opening on top of crusher*

DISTANCE TO EMISS. PT. START *~120'* END *~120'* DIRECTION TO EMISS. PT. (DEGREES) START *~320°* END *~320°*
HEIGHT OF EMISS. PT. START *~12'* END *~12'* HEIGHT TO EMISS. PT. REL. TO OBSERVER START *~6'* END *~6'*

VERTICAL ANGLE TO OBS. PT. START *~3°* END *~3°* DIRECTION TO OBS. PT. (DEGREES) START *~320°* END *~320°*
APPROX. DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV. PT. START *Observed 1' above bin* END *same*

DESCRIBE EMISSIONS: START *None* END *None*
EMISSION COLOR: START *NA* END *NA* WATER DROPLET PLUME: ATTACHED DETACHED NONE

DESCRIBE PLUME BACKGROUND: START *Sky* END *Sky*
BACKGROUND COLOR: START *Light Gray* END *Light Gray* SKY CONDITIONS: START *Broken* END *Broken*
WIND SPEED: START *~2-4 mph* END *~2-4 mph* WIND DIRECTION: START *NE* END *NE*
AMBIENT TEMPERATURE: START *~55°F* END *~55°F* WET BULB TEMP. PERCENT RH



LAT: LONG: DECLINATION:

ADDITIONAL INFORMATION: ** Loader dumped into crusher (2.5 tons/drop)*
*21 drops * ≈ 25 tons/drop = 525 tons*

FORM NUMBER: PAGE 1 OF 1
CONTINUED ON VEO NUMBER:

OBSERVATION DATE: *2/9/98* START TIME: *8:27 AM* END TIME: *8:57 AM*

MIN	SEC	0	15	30	45	SEC	MIN	0	15	30	45
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2	0*	0	0	0	0	32					
3	0	0	0	0	0	33					
4	0	0*	0	0	0	34					
5	0	0	0	0	0	35					
6	0	0	0	0*	0	36					
7	0	0	0	0	0	37					
8	0	0*	0	0	0	38					
9	0	0	0*	0	0	39					
10	0	0	0*	0	0	40					
11	0	0	0	0*	0	41					
12	0	0	0*	0	0	42					
13	0*	0	0	0	0	43					
14	0	0*	0	0	0	44					
15	0	0	0	0	0	45					
16	0	0*	0	0	0	46					
17	0	0*	0	0	0	47					
18	0	0	0	0*	0	48					
19	0	0	0	0	0	49					
20	0*	0	0	0	0	50					
21	0	0*	0	0	0	51					
22	0	0	0	0	0	52					
23	0*	0	0	0	0	53					
24	0	0	0	0	0	54					
25	0	0*	0	0	0	55					
26	0	0	0	0*	0	56					
27	0	0	0*	0	0	57					
28	0	0	0*	0	0	58					
29	0	0	0	0	0	59					
30	0*	0	0	0	0	60					

AVERAGE OPACITY: *0%* HIGHEST SIX MINUTE INTERVAL: *0%*

OBSERVER'S NAME (PRINT): *Russell B. Keith*
OBSERVER'S SIGNATURE: *Russell B. Keith* DATE: *2/9/98*
ORGANIZATION: *CFTL*
CERTIFIED BY: *ETA-Tampa* DATE: *8/97*



CENTRAL FLORIDA TESTING LABORATORIES, INC.
VISIBLE EMISSIONS OBSERVATION FORM

METHOD USED (CIRCLE ONE) METHOD 203A 203B OTHER:

COMPANY NAME *Southern Crushing Services*
STREET ADDRESS *40th St. North* CITY *Clearwater*
MAILING ADDRESS *P.O. Box 613*
CITY *Valrico* STATE *FL* ZIP *33594*
PHONE/KEY CONTACT *Ed Cobb* SOURCE PERMIT NUMBER *A029-232049*

PROCESS EQUIPMENT *Diesel Generator for Crusher* OPERATING MODE *Crushing at ~105 tph*
CONTROL EQUIPMENT *None* OPERATING MODE

DESCRIBE EMISSION PT. *Dual Exhausts on top of gas diesel engine*

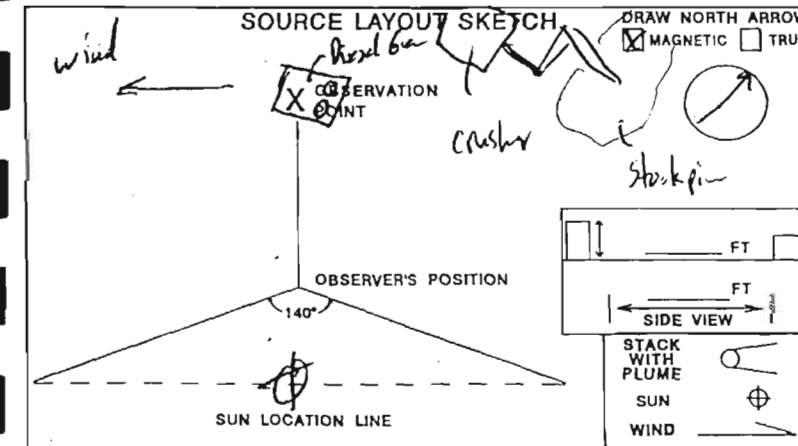
DISTANCE TO EMISS. PT. START *~100'* END *~100'* DIRECTION TO EMISS. PT. (DEGREES) START *~312°* END *~312°*
HEIGHT OF EMISS. PT. START *~9'* END *~9'* HEIGHT TO EMISS. PT. REL. TO OBSERVER START *~3'* END *~3'*

VERTICAL ANGLE TO OBS. PT. START *~2°* END *~2°* DIRECTION TO OBS. PT. (DEGREES) START *~312°* END *~312°*

APPROX. DISTANCE AND DIRECTION FROM EMISS. PT. TO OBSERV. PT. START *Observed where two diesel plumes combine* END

DESCRIBE EMISSIONS START *Light Brown Smoke* END *same*
EMISSION COLOR START *Brown* END *Brown* WATER DROPLET PLUME ATTACHED DETACHED NONE

DESCRIBE PLUME BACKGROUND START *Sky* END *Sky*
BACKGROUND COLOR START *Light Gray* END *Light Gray* SKY CONDITIONS START *Broken* END *Broken*
WIND SPEED START *~2-4 mph* END *~2-4 mph* WIND DIRECTION START *NE* END *NE*
AMBIENT TEMPERATURE START *~55°F* END *~56°F* WET BULB TEMP. PERCENT RH



LAT: LONG: DECLINATION

ADDITIONAL INFORMATION

FORM NUMBER PAGE OF

CONTINUED ON VEO NUMBER

OBSERVATION DATE		START TIME				END TIME					
2/9/98		8:35 AM				9:05					
MIN	SEC	0	15	30	45	MIN	SEC	0	15	30	45
1	5	5	5	5	5	31					
2	5	5	5	5	5	32					
3	5	5	5	5	5	33					
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8	5	5	5	5	5	38					
9	5	5	5	5	5	39					
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26	5	10	5	5	5	56					
27	5	5	5	5	5	57					
28	5	5	5	5	5	58					
29	5	5	5	5	5	59					
30	5	5	5	5	5	60					

AVERAGE OPACITY *5%* HIGHEST SIX MINUTE INTERVAL *5%*

OBSERVER'S NAME (PRINT) *Russell B. Keith*
OBSERVER'S SIGNATURE *Russell B. Keith* DATE *2/9/98*
ORGANIZATION *CFTL*
CERTIFIED BY *ETA-TAMPH* DATE *8/97*