



February 3, 2009

Mara Grace Nasca
F.D.E.P. - Southwest District Office
13051 N Telecom Parkway
Temple Terrace, Florida 33637

**Re: Air Construction Permit Application
SCI Asphalt Plant No. 3**

0830023-006-AC

Dear Ms. Nasca:

Enclosed are two (2) signed copies of the application and the attachments for the above referenced facility. A check for the application fee in the amount of \$250.00 is also included.

If you have any questions, please call me at (407) 298-2282.

Respectfully,

GROVE SCIENTIFIC & ENGINEERING COMPANY

Sara Greivell

Sara Greivell
Environmental Scientist

Dept. of Environmental
Protection

FEB 06 2009

Southwest District

CC: Billy Burke - SCI Asphalt Plant 3



Department of Environmental Protection

Division of Air Resources Management

APPLICATION FOR AIR PERMIT - NON-TITLE V SOURCE

See Instructions for Form No. 62-210.900(3)

I. APPLICATION INFORMATION

Identification of Facility

1. Facility Owner/Company Name: Steven Counts, Inc.	
2. Site Name: Asphalt Plant #3	
3. Facility Identification Number: 0830023 [] Unknown	
4. Facility Location: Street Address or Other Locator: 9765 S.W. State Road 200 City: Ocala County: Marion Zip Code: 34481	
5. Relocatable Facility? [] Yes [X] No	6. Existing Permitted Facility? [X] Yes [] No

Application Contact

1. Name and Title of Application Contact: Bruno Ferraro	
2. Application Contact Mailing Address: Organization/Firm: Grove Scientific & Engineering Company Street Address: 6140 Edgewater Drive, Suite F City: Orlando State: Florida Zip Code: 32810	
3. Application Contact Telephone Numbers: Telephone: (407) 298 - 2282 Fax: (407) 290 - 9038	

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	02/06/09
2. Permit Number:	0830023-006-AC

Dept. of Environmental
Protection

FEB 06 2009

Southwest District

Purpose of Application

Air Operation Permit Application

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

- ☐ Initial non-Title V air operation permit for one or more existing, but previously unpermitted, emissions units.
- ☐ Initial non-Title V air operation permit for one or more newly constructed or modified emissions units.

Current construction permit number: _____

- ☐ Non-Title V air operation permit revision to address one or more newly constructed or modified emissions units.

Current construction permit number: _____

Operation permit number to be revised: _____

- ☐ Initial non-Title V air operation permit under Rule 62-210.300(2)(b), F.A.C., for an existing facility seeking classification as a synthetic non-Title V source.

Current operation/construction permit number(s): _____

- ☐ Non-Title V air operation permit revision for a synthetic non-Title V source. Give reason for revision; e.g., to address one or more newly constructed or modified emissions units.

Operation permit number to be revised: _____

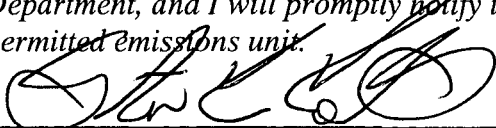
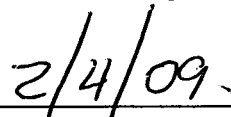
Reason for revision: _____

Air Construction Permit Application

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

- ☐ Air construction permit to construct or modify one or more emissions units.
- ☐ Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.
- ☒ Air construction permit for one or more existing, but unpermitted, emissions units.

Owner/Authorized Representative

1. Name and Title of Owner/Authorized Representative: Steven Counts, President
2. Owner/Authorized Representative Mailing Address: Organization/Firm: Steven Counts, Inc Street Address: 16611 SE 58th Avenue City: Summerfield State: Florida Zip Code: 34491
3. Owner/Authorized Representative Telephone Numbers: Telephone: (352) 307 - 2410 Fax: (352) 307 - 2411
4. Owner/Authorized Representative Statement: <i>I, the undersigned, am the owner or authorized representative* of the facility addressed in this application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. I understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions unit.</i>  Signature  Date

* Attach letter of authorization if not currently on file.

Professional Engineer Certification

1. Professional Engineer Name: James T Show Registration Number: 34361
2. Professional Engineer Mailing Address: Organization/Firm: Grove Scientific & Engineering Company Street Address: 6140 Edgewater Drive, Suite F City: Orlando State: Florida Zip Code: 32810
3. Professional Engineer Telephone Numbers: Telephone: (407) 298 - 2282 Fax: (407) 290 - 9038

4. Professional Engineer Statement:

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

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

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

If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [☒], if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.

If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here [☐], if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.

Signature

Date

* Attach any exception to certification statement.

Scope of Application

Emissions Unit ID	Description of Emissions Unit	Permit Type	Processing Fee
001	Drum Mix Asphalt Plant	ACM2	\$250

Application Processing FeeCheck one: ☒ Attached - Amount: \$ **250.00**☐ Not Applicable.

Construction/Modification Information

1. Description of Proposed Project or Alterations:

Steven Counts, Inc. is requesting an after-the-fact construction permit for the burner and drum upgrades made in April 2007.

This plant was converted from a parallel continuous mix plant to a counterflow continuous mix plant. The upgraded burner is a 100 MMBTU/hour burner.

2. Projected or Actual Date of Commencement of Construction: April 2007

3. Projected Date of Completion of Construction: April 2007

Application Comment

This is a minor modification because the potential emissions remain unchanged. The facility is still limited to the same consecutive 12-month production rate of 500,000 tons and a fuel limit of 1.2 million gallons.

A. GENERAL FACILITY INFORMATION

1. Facility UTM Coordinates: Zone: 17				East (km): 375	North (km): 3214.7
2. Facility Latitude/Longitude: Latitude (DD/MM/SS): 20/03/02					
Longitude (DD/MM/SS): 82/17/02					
3. Governmental Facility Code:	4. Facility Status Code:	5. Facility Major Group SIC Code:	6. Facility SIC(s):		
0	A	29	2951		
7. Facility Comment (limit to 500 characters): 					

1. Name and Title of Facility Contact:	Billy Burke, Asphalt Production Superintendent		
2. Facility Contact Mailing Address:	Organization/Firm: Steven Counts, Inc.		
	Street Address: 16611 SE 58th Avenue		
	City: Summerfield	State: Florida	Zip Code: 34491
3. Facility Contact Telephone Numbers:	Telephone: (352) 307 - 2410		
	Fax: (352) 307 - 2411		

Facility Regulatory Classifications

Check all that apply:

1. <input type="checkbox"/> Small Business Stationary Source?	<input type="checkbox"/> Unknown
2. <input checked="" type="checkbox"/> Synthetic Non-Title V Source?	
3. <input checked="" type="checkbox"/> Synthetic Minor Source of Pollutants Other than HAPs?	
4. <input type="checkbox"/> Synthetic Minor Source of HAPs?	
5. <input checked="" type="checkbox"/> One or More Emissions Units Subject to NSPS?	
6. <input type="checkbox"/> One or More Emission Units Subject to NESHAP Recordkeeping or Reporting?	
7. Facility Regulatory Classifications Comment (limit to 200 characters):	

Rule Applicability Analysis

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B. FACILITY POLLUTANTS

List of Pollutants Emitted

[illegible]

C. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Area Map Showing Facility Location: [] Attached, Document ID: _____ [X] Not Applicable [] Waiver Requested
2. Facility Plot Plan: [] Attached, Document ID: _____ [X] Not Applicable [] Waiver Requested
3. Process Flow Diagram(s): [] Attached, Document ID: _____ [X] Not Applicable [] Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: [] Attached, Document ID: _____ [X] Not Applicable [] Waiver Requested
5. Supplemental Information for Construction Permit Application: [X] Attached, Document ID: <u>A</u> [] Not Applicable
6. Supplemental Requirements Comment:

Dept. of Environmental
Protection

FEB 06 2009

Southwest District

III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

<p>1. Type of Emissions Unit Addressed in This Section: (Check one)</p> <p><input type="checkbox"/> 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).</p> <p><input checked="" type="checkbox"/> 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.</p> <p><input type="checkbox"/> 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.</p>		
<p>2. Description of Emissions Unit Addressed in This Section (limit to 60 characters):</p> <p style="text-align: center;">Astec Drum Mix Asphalt Concrete Plant</p>		
<p>3. Emissions Unit Identification Number: <input type="checkbox"/> No ID</p> <p>ID: 001 <input type="checkbox"/> ID Unknown</p>		
<p>4. Emissions Unit Status Code:</p> <p style="text-align: center;">A</p>	<p>5. Initial Startup Date:</p>	<p>6. Emissions Unit Major Group SIC Code:</p> <p style="text-align: center;">29</p>
<p>7. Emissions Unit Comment: (Limit to 500 Characters)</p>		

Emissions Unit Information, Section 1 of 1**Emissions Unit Control Equipment**

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

Emissions are controlled by an Astec Model RBH-55-10 pulse jet baghouse.

2. Control Device or Method Code(s): **016**

Emissions Unit Details

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

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: 100 mmBtu/hr
2. Maximum Incineration Rate: lb/hr tons/day
3. Maximum Process or Throughput Rate:
4. Maximum Production Rate: 500,000 tons/yr
5. Requested Maximum Operating Schedule:
hours/day days/week
weeks/year hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters):
The facility is limited to 500,000 tons per year of asphalt production, no limit on hours of operation

Emissions Unit Information Section 1 of 1

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram?		2. Emission Point Type Code: 1	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:			
5. Discharge Type Code: V	6. Stack Height: 20 feet	7. Exit Diameter: 3.9 feet	
8. Exit Temperature: 207.4 °F	9. Actual Volumetric Flow Rate: acfm	10. Water Vapor: 18.31%	
11. Maximum Dry Standard Flow Rate: 32298 dscfm		12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates: Zone: 17 East (km): 350 North (km): 3214.7			
14. Emission Point Comment (limit to 200 characters):			

Emissions Unit Information, Section 1 of 1**C. SEGMENT (PROCESS/FUEL) INFORMATION****Segment Description and Rate:** Segment 1 of 3

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Asphalt Production		
2. Source Classification Code (SCC): 30500201		3. SCC Units: Tons Hot Asphalt Produced
4. Maximum Hourly Rate:	5. Maximum Annual Rate: 500,000 tons/yr	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters): 		

Segment Description and Rate: Segment 2 of 3

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Diesel Fuel		
2. Source Classification Code (SCC): 39000501		3. SCC Units: 1000 Gallons Distillate Oil Burned
4. Maximum Hourly Rate:	5. Maximum Annual Rate: 1.2 million gallons/yr	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 1%	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters): Total fuel oil usage (diesel & on-specification used oil) shall not exceed 1.2 million gallons in any consecutive 12-month period.		

Emissions Unit Information, Section 1 of 1

Segment Description and Rate: Segment 3 of 3

1. Segment Description (Process/Fuel Type) (limit to 500 characters): On-specification Used Oil		
2. Source Classification Code (SCC): 39001389		3. SCC Units: 1000 Gallons Liquid Waste Burned
4. Maximum Hourly Rate:	5. Maximum Annual Rate: 1.2 million gallons/yr	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 1%	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters): Total fuel oil usage (diesel & on-specification used oil) shall not exceed 1.2 million gallons in any consecutive 12-month period.		

Emissions Unit Information Section 1 of 1**Pollutant Detail Information Page 2 of 5****D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION****Potential Emissions**

1. Pollutant Emitted: CO		2. Pollutant Regulatory Code:	
3. Primary Control Device Code: N/A	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: lb/hour 32.5 tons/year		7. Synthetically Limited? []	
8. Emission Factor: 0.13 lb/ton Reference: AP-42 Table 11.1-7		9. Emissions Method Code: 4	
10. Calculation of Emissions (limit to 600 characters): $(500,000 \text{ tons/yr})(0.13 \text{ lbs/ton})/(2000 \text{ lb/ton}) = 32.5 \text{ TPY CO}$			
11. Pollutant Potential Emissions Comment (limit to 200 characters): Potential emissions were calculated using AP-42 Tables 11.1-7 and 11.1-8 "Waste Oil Fired Dryer"			

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**Potential Emissions**

1. Pollutant Emitted: SO2		2. Pollutant Regulatory Code:	
3. Primary Control Device Code: N/A	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: lb/hour 14.5 tons/year		7. Synthetically Limited? [X]	
8. Emission Factor: 0.058 lb/ton Reference: AP-42 Table 11.1-7		9. Emissions Method Code: 4	
10. Calculation of Emissions (limit to 600 characters): $(500,000 \text{ tons/yr})(0.058 \text{ lbs/ton})/(2000 \text{ lb/ton}) = 14.5 \text{ TPY SO}_2$			
11. Pollutant Potential Emissions Comment (limit to 200 characters): Potential emissions were calculated using AP-42 Tables 11.1-7 and 11.1-8 "Waste Oil Fired Dryer"			

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	

Emissions Unit Information, Section 1 of 1

Pollutant Detail Information Page 3 of 5

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: Total PM		2. Pollutant Regulatory Code:	
3. Primary Control Device Code: 016	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control: 99	
6. Potential Emissions: lb/hour 15 tons/year		7. Synthetically Limited? []	
8. Emission Factor: 0.04 gr/dscfm Reference: Rule – allowable limit		9. Emissions Method Code: 0	
10. Calculation of Emissions (limit to 600 characters): 			
11. Pollutant Potential Emissions Comment (limit to 200 characters): 			

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance (limit to 60 characters): 	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 	

Emissions Unit Information Section 1 of 1**Pollutant Detail Information Page 4 of 5****D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION****Potential Emissions**

1. Pollutant Emitted: NOx		2. Pollutant Regulatory Code:	
3. Primary Control Device Code: N/A	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: lb/hour 13.8 tons/year		7. Synthetically Limited? []	
8. Emission Factor: 0.055 Reference: AP-42 Table 11.1-7		9. Emissions Method Code: 4	
10. Calculation of Emissions (limit to 600 characters): $(500,000 \text{ tons/yr})(0.055 \text{ lbs/ton})/(2000 \text{ lb/ton}) = 13.8 \text{ TPY NOx}$			
11. Pollutant Potential Emissions Comment (limit to 200 characters): Potential emissions were calculated using AP-42 Tables 11.1-7 and 11.1-8 "Waste Oil Fired Dryer"			

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	

Emissions Unit Information Section 1 of 1**Pollutant Detail Information Page 5 of 5****D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION****Potential Emissions**

1. Pollutant Emitted: VOC		2. Pollutant Regulatory Code:	
3. Primary Control Device Code: N/A	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: lb/hour 11 tons/year		7. Synthetically Limited? []	
8. Emission Factor: 0.032 Reference: AP-42 Table 11.1-8		9. Emissions Method Code: 4	
10. Calculation of Emissions (limit to 600 characters): $(500,000 \text{ tons/yr})(0.032 \text{ lbs/ton})/(2000 \text{ lb/ton}) = 11 \text{ TPY VOC}$			
11. Pollutant Potential Emissions Comment (limit to 200 characters): Potential emissions were calculated using AP-42 Tables 11.1-7 and 11.1-8 "Waste Oil Fired Dryer"			

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	

Emissions Unit Information, Section 1 of 1

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE20	2. Basis for Allowable Opacity: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance: EPA Method 9	
5. Visible Emissions Comment (limit to 200 characters): Visible emissions shall not be equal to or greater than 20% opacity.	

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

Continuous Monitoring System: Continuous Monitor of

1. Parameter Code: N/A	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters):	

Attachment A
Supplemental Information

Supplemental Information

Steven Counts, Inc.

Asphalt Plant #3

Introduction:

Steven Counts, Inc. Asphalt Plant #3, located at 9765 S.W. State Road 200, Ocala, Florida 34481, is applying for an after-the-fact construction permit for an upgrade in burner size that was done in April of 2007. The maximum consecutive 12-month throughput limit will remain at 500,000 tons and the fuel usage will remain at 1.2 million gallons per consecutive 12-months.

Potential Emissions:

The potential emissions are calculated using the emission factors from AP-42 Emission Factors for Drum Mix Hot Mix Asphalt Plants based on an annual throughput of 500,000 tons per year. CO, NO_x, SO₂ emission factors were taken from table 11.1-7 and VOC was taken from table 11.1-8. PM emissions were calculated based on 0.04 grains per dscfm.

Pollutant	Emissions (TPY)
NO_x	13.8
SO₂	14.5
Total PM	15
PM₁₀	included in total PM
CO	32.5
VOC	11

Application Fee:

The application fee for a minor modification based on increase in potential emissions is \$250.00.