

Department of Environmental Protection

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Division of Air Resources Management

BUREAU OF AIR REGULATION

APPLICATION FOR AIR PERMIT - NON-TITLE V SOURCE

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

I. APPLICATION INFORMATION

Identification of Facility

Facility Owner/Company Name: THE LANE CONSTRUCTION CORPORATION	
2. Site Name: KATHLEEN SITE	
3. Facility Identification Number: <input type="checkbox"/> Unknown	
4. Facility Location: Street Address or Other Locator: 13300 HOWARD BLVD. City: KATHLEEN County: POLK Zip Code: 33849	
5. Relocatable Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6. Existing Permitted Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Application Contact

1. Name and Title of Application Contact: ROGER T. CALDWELL, V.P. ENVIRONMENTAL DIVISION	
2. Application Contact Mailing Address: Organization/Firm: BOTTORF ASSOCIATES, INC. Street Address: 6729 EDGEWATER COMMERCE PKWY. City: ORLANDO State: FL. Zip Code: 32810-4278	
3. Application Contact Telephone Numbers: Telephone: (407)298-0846 Fax: (407)299-7053	

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	7/24/06
2. Permit Number:	177 3530-001-AC

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: DAVID LAKEMAN PLANT MANAGER
2. Owner/Authorized Representative Mailing Address: Organization/Firm: THE LANE CONSTRUCTION CORPORATION Street Address: 3350 REYNOLDS ROAD City: EATON PARK State: FL. Zip Code: 33840
3. Owner/Authorized Representative Telephone Numbers: Telephone: (863) 665-0457 Fax: (863)665-2624
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 7/17/2006 _____ Date

* Attach letter of authorization if not currently on file.

Professional Engineer Certification

1. Professional Engineer Name: DOUGLAS W. BAUMAN, MSE, P.E. Registration Number: 50807
2. Professional Engineer Mailing Address: Organization/Firm: BOTTORF ASSOCIATES, INC. Street Address: 6729 EDGEWATER COMMERCE PARKWAY City: ORLANDO State: FL. Zip Code: 32810-4278
3. Professional Engineer Telephone Numbers: Telephone: (407)298-0846 Fax: (407)299-7053

4. Professional Engineer Statement:

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

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

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

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

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

A circular professional engineer seal for the State of Florida, Department of Environmental Protection. The seal contains the text "STATE OF FLORIDA" and "DEPARTMENT OF ENVIRONMENTAL PROTECTION". A signature is written over the seal.
Signature

July 10, 2006
Date

* Attach any exception to certification statement.

THE LANE CONSTRUCTION CORPORATION, PLANT 67, JULY 2006

Scope of Application

Emissions Unit ID	Description of Emissions Unit	Permit Type	Processing Fee
	200 TON/ HOUR DRUM MIX ASPHALT PLANT NO. 67	AC1D	\$ 2000.00
	250 TON/ HOUR RECYCLE ASPHALT PAVEMENT (RAP) CRUSHING SYSTEM	AC1E	\$ 1000.00

Application Processing Fee

Check one: [X] Attached - Amount: \$ 3000.00

[] Not Applicable

Construction/Modification Information

Description of Proposed Project or Alterations: (1) THIS PROJECT IS FOR A CONSTRUCTION PERMIT FOR A 200 TON/HOUR BARBER GREEN DRUM MIX ASPHALT PLANT (PLANT #67). THE DRUM MIXER IS A MODEL NO. DM 55. PARTICULATE EMISSIONS WILL BE CONTROLLED WITH A ROAD EQUIPMENT SERVICES CO. LTD PULSE JET BAGHOUSE, MODEL NO. ROA-DCP 480, HAVING 480 NOMEX FIBER BAGS, TOTAL CLOTH AREA OF 6,028.8 SQUARE FEET, WITH AN AIR TO CLOTH RATIO OF 5.97 TO 1, AND A PARTICULATE COLLECTION EFFICIENCY OF 99.9%.
(2) THIS PROJECT IS ALSO FOR A CONSTRUCTION PERMIT FOR A 250 TON/HOUR PORTABLE RECYCLE ASPHALT PAVEMENT (RAP) CRUSHING SYSTEM. THE RAP CRUSHING SYSTEM IS OWNED BY A DIFFERENT COMPANY AND IS BROUGHT TO THIS ASPHALT PLANT SITE FROM TIME TO TIME TO CRUSH THE RAP INTO A SMALLER SIZE THAT CAN BE USED IN THE MANUFACTURE OF NEW HOT MIX ASPHALT.

2. Projected or Actual Date of Commencement of Construction: **AFTER PERMIT ISSUANCE**

3. Projected Date of Completion of Construction: **6 MONTHS AFTER COMMENCEMENT**

Application Comment

THE ASPHALT PLANT ALSO HAS THE FOLLOWING:

- 1.) CLEAVER BROOKS OIL HEATER, MODEL CPT 100-20 WITH A MAXIMUM HEAT INPUT OF 2.0 MMBTU/HOUR, FIRED WITH NO. 2 DIESEL FUEL OIL (0.5% SULFUR MAX.). THIS UNIT IS INSIGNIFICANT. FUEL OIL BURNED IN THIS UNIT IS INCLUDED IN THE 1.2 MILLION GALLON/YEAR FACILITY MAXIMUM.**
- 2.) ONE (1) 50 TON HOT MIX ASPHALT STORAGE SILO.**

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1. Facility UTM Coordinates: Zone: 17 East (km): 392.76 North (km): 3124.28			
2. Facility Latitude/Longitude: Latitude (DD/MM/SS): 28°14'/30" Longitude (DD/MM/SS): 82°05'/35"			
3. Governmental Facility Code: 0	4. Facility Status Code: C	5. Facility Major Group SIC Code: 29	6. Facility SIC(s): 2951
7. Facility Comment (limit to 500 characters): WE ARE REQUESTING A STATE WIDE RELOCATEABLE PERMIT THAT WILL ALLOW THIS PLANT # 67 TO BE MOVED WITHIN THE STATE WITHOUT NEEDING A NEW CONSTRUCT/OPERATE PERMIT. THE LANE CONSTRUCTION CORPORATION WILL PUBLISH ANY ADDITIONAL PUBLIC NOTICES AND SUBMIT ANY NEEDED FORMS, MAPS, PERMIT FEES, ECT. IF AND PRIOR TO THIS PLANT BEING RELOCATED. <u>NOTE:</u> PERMITS 7775202-004-AC AND 7775202-005-AO WERE ISSUED FOR PLANT #49 (400 TPH DRUM MIX ASPHALT PLANT) TO BE RELOCATED FROM MIAMI/DADE TO THIS KATHLEEN SITE. PLANT #49 WAS MOVED OUT OF STATE INSTEAD. LANE CONSTRUCTION WANTS TO KEEP THESE PERMITS ALIVE FOR THE POSSIBILITY OF PLANT #49 COMING BACK TO FLORIDA. PLANTS 49 AND 67 WILL NEVER OPERATE SIMULTANEOUSLY AT THIS KATHLEEN SITE.			

Facility Contact

1. Name and Title of Facility Contact: RONALD STARR, PLANT SUPERINTENDENT
2. Facility Contact Mailing Address: Street Address: 13300 HOWARD BLVD. City: KATHLEEN State: FL. Zip Code: 33849
3. Facility Contact Telephone Numbers: Telephone: (813) 782-9406 Fax: (813) 788-7203

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

<p>FEDERAL</p> <p>40 CFR 60, SUBPART I 40 CFR 60, SUBPART OOO</p> <p>STATE</p> <p>62-4 FAC 62-210 FAC 62-296 FAC 62-297 FAC</p>

B. FACILITY POLLUTANTS

List of Pollutants Emitted

1. Pollutant Emitted	2. Pollutant Classif.	3. Requested Emissions Cap		4. Basis for Emissions Cap	5. Pollutant Comment
		lb/hour	tons/year		
PM	SM				
PM10	SM				
SO2	SM				
NOX	SM				
CO	SM				
VOC	SM				

C. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements

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

Emissions Unit Information Section 1 of 2

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

1. Type of Emissions Unit Addressed in This Section: (Check one)		
<input checked="" 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).		
<input 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.		
<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.		
2. Description of Emissions Unit Addressed in This Section (limit to 60 characters): 200 TPH DRUM MIX ASPHALT PLANT		
3. Emissions Unit Identification Number: ID:		<input type="checkbox"/> No ID <input checked="" type="checkbox"/> ID Unknown
4. Emissions Unit Status Code: C	5. Initial Startup Date:	6. Emissions Unit Major Group SIC Code: 29
6. Emissions Unit Comment: (Limit to 500 Characters) THIS IS NOT A NEW ASPHALT PLANT AND SHOULD NOT BE PERMITTED AS SUCH, IE: THREE (3) 1-HOUR VISIBLE EMISSION TEST SHOULD <u>NOT</u> BE REQUIRED CONCURRENT WITH THE THREE PARTICULATE TEST RUNS DURING THE INITIAL COMPLIANCE TEST.		

Emissions Unit Information Section 1 of 2

Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method): PARTICULATE EMISSIONS WILL BE CONTROLLED WITH A ROAD EQUIPMENT SERVICES CO. LTD, PULSE JET BAGHOUSE, MODEL NO. ROA-DCP 480, HAVING 480 NOMEX FIBER BAGS, TOTAL CLOTH AREA OF 6,028.8 SQUARE FEET, WITH AN AIR TO CLOTH RATIO OF 5.97 TO 1, AND A PARTICULATE COLLECTION EFFICIENCY OF 99.9%.
2. Control Device or Method Code(s): 016 Fabric Filter - HIGH Temp.

Emissions Unit Details

1. Package Unit: BARBER GREEN DRUM MIX ASPHALT PLANT Manufacturer: Model Number: DM 55
2. Generator Nameplate Rating: MW
3. Incinerator Information: <div style="margin-left: 100px;">Dwell Temperature: °F</div> <div style="margin-left: 100px;">Dwell Time: seconds</div> <div style="margin-left: 100px;">Incinerator Afterburner Temperature: °F</div>

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate:	66	mmBtu/hr
2. Maximum Incineration Rate:	lb/hr	tons/day
3. Maximum Process or Throughput Rate:	200 TPH AND 500,000 TONS/YEAR	
4. Maximum Production Rate:	200 TPH AND 500,000 TONS/YEAR	
5. Requested Maximum Operating Schedule:	hours/day	days/week
	weeks/year	hours/year 4000
6. Operating Capacity/Schedule Comment (limit to 200 characters):		

Emissions Unit Information Section 1 of 2

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: 32 feet	7. Exit Diameter: 2.985 feet	
8. Exit Temperature: 300 °F	9. Actual Volumetric Flow Rate: 36,000 acfm	10. Water Vapor: 25 %	
11. Maximum Dry Standard Flow Rate: 25,000 dscfm		12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates: Zone: 17 East (km): 392.76 North (km): 3124.28			
14. Emission Point Comment (limit to 200 characters):			

Emissions Unit Information Section 1 of 2

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 5

1. Segment Description (Process/Fuel Type) (limit to 500 characters): ASPHALT CONCRETE PRODUCED		
2. Source Classification Code (SCC): 3-05-002-05		3. SCC Units: TONS PRODUCED
4. Maximum Hourly Rate: 200	5. Maximum Annual Rate: 500,000	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters): INCLUDES RECYCLE ASPHALT MATERIAL (RAP) UP TO 50% OF MIX		

Segment Description and Rate: Segment 2 of 5

1. Segment Description (Process/Fuel Type) (limit to 500 characters): ON-SPECIFICATION USED OIL – IN PROCESS FUEL (LIQUID WASTE, GENERAL)		
2. Source Classification Code (SCC): 3-90-013-99		3. SCC Units: THOUSAND GALLONS BURNED
4. Maximum Hourly Rate: 0.471	5. Maximum Annual Rate: 1,200	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 1.0	8. Maximum % Ash:	9. Million Btu per SCC Unit: 140
10. Segment Comment (limit to 200 characters): PRIMARY FUEL		

Emissions Unit Information Section 1 of 2

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 3 of 5

1. Segment Description (Process/Fuel Type) (limit to 500 characters): RESIDUAL FUEL OIL – IN PROCESS FUEL (NUMBER 5 FUEL OIL)		
2. Source Classification Code (SCC): 3-05-002-07		3. SCC Units: THOUSAND GALLONS BURNED
4. Maximum Hourly Rate: 0.455	5. Maximum Annual Rate: 1,200	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 1.0	8. Maximum % Ash:	9. Million Btu per SCC Unit: 145
10. Segment Comment (limit to 200 characters): BACK-UP FUEL		

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 4 of 5

1. Segment Description (Process/Fuel Type) (limit to 500 characters): DISTILLATE FUEL OIL – IN PROCESS FUEL (NUMBER 2 FUEL OIL)		
2. Source Classification Code (SCC): 3-05-002-08		3. SCC Units: THOUSAND GALLONS BURNED
4. Maximum Hourly Rate: 0.471	5. Maximum Annual Rate: 3,750	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 1.0	8. Maximum % Ash:	9. Million Btu per SCC Unit: 140
10. Segment Comment (limit to 200 characters): BACK-UP FUEL		

Emissions Unit Information Section 1 of 2

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 5 of 5

1. Segment Description (Process/Fuel Type) (limit to 500 characters): NATURAL GAS – IN PROCESS FUEL (GENERAL)		
2. Source Classification Code (SCC): 3-90-006-99		3. SCC Units: MILLION CUBIC FEET BURNED
4. Maximum Hourly Rate: 0.064	5. Maximum Annual Rate: 257	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit: 1025
10. Segment Comment (limit to 200 characters): BACK-UP FUEL		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM		2. Pollutant Regulatory Code: EL	
3. Primary Control Device Code: 016	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control: 99.9	
6. Potential Emissions: 8.57 lb/hour 17.14 tons/year		7. Synthetically Limited? [Y]	
8. Emission Factor: N/A Reference: SET TO ALLOWABLE		9. Emissions Method Code: 0	
10. Calculation of Emissions (limit to 600 characters): PM = 25,000 DSCFM X 0.04 GRAINS/DSCF X 60 MIN/HR. X 1/7000GRAINS/LB. = 8.57 LB/HR. 8.57 LB/HR X 4000 HR/YR X 1 TON/2000LB = 17.14 TONS/YEAR			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			

Allowable Emissions Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code: NSPS RULE	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: 0.04 GRAINS/DSCF	4. Equivalent Allowable Emissions: 8.57 lb/hour 17.14 tons/year
5. Method of Compliance (limit to 60 characters): ANNUAL EPA METHOD 5 TEST	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	

Emissions Unit Information Section 1 of 2

Pollutant Detail Information Page 2 of 6

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: SO2		2. Pollutant Regulatory Code: EL	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 11.6 lb/hour 14.50 tons/year		7. Synthetically Limited? [Y]	
8. Emission Factor: 0.058 LBS/TON Reference: AP42, TABLE 11.1-7		9. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): $SO_2 = 0.058 \text{ LBS } SO_2/TON \text{ ASPHALT} \times 200 \text{ TONS/HR} = 11.6 \text{ LBS/HOUR.}$ $SO_2 = 0.058 \text{ LBS } SO_2/TON \text{ ASPHALT} \times 500,000 \text{ TONS/YR} \times 1/2000 \text{ TONS/POUND} = 14.50 \text{ TONS/YEAR}$			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			

Allowable Emissions Allowable Emissions **2 of 2**

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: 1.0 % SULFUR IN FUEL OIL	4. Equivalent Allowable Emissions: 11.6 lb/hour 14.50 tons/year
5. Method of Compliance (limit to 60 characters): FUEL OIL ANALYSIS PROVIDED BY FUEL OIL VENDOR	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: NOX		2. Pollutant Regulatory Code: EL	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 11.00 lb/hour 13.75 tons/year		7. Synthetically Limited? [Y]	
8. Emission Factor: 0.055 LBS/TON Reference: AP 42, TABLE 11.1-7		9. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): $NOX = 0.055 \text{ LBS NOX/TON ASPHALT} \times 200 \text{ TONS/HR} = 11.00 \text{ LBS/HOUR}$ $NOX = 0.055 \text{ LBS NOX/TON ASPHALT} \times 500,000 \text{ TONS/YR} \times 1 \text{ TON/2000LBS} = 13.75 \text{ TONS/YR.}$			
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 2

Pollutant Detail Information Page 4 of 6

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: CO		2. Pollutant Regulatory Code: EL	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 26.00 lb/hour 32.50 tons/year		7. Synthetically Limited? [Y]	
8. Emission Factor: 0.13 LBS/TON Reference: AP 42, TABLE 11.1-7		9. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): $CO = 0.13 \text{ LBS CO/TON ASPHALT} \times 200 \text{ TONS/HR} = 26.00 \text{ LBS/HOUR.}$ $CO = 0.13 \text{ LBS CO/TON ASPHALT} \times 500,000 \text{ TONS/YR} \times 1 \text{ TON/2000LBS} = 32.50 \text{ TONS/YR.}$			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			

Allowable Emissions Allowable Emissions _____ of _____

2. 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 2

Pollutant Detail Information Page 5 of 6

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: VOC		2. Pollutant Regulatory Code: EL	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 6.4 lb/hour 8.00 tons/year		7. Synthetically Limited? [Y]	
8. Emission Factor: 0.032 LBS/TON Reference: AP 42, TABLE 11.1-8		9. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): VOC = 0.032 LBS VOC/TON ASPHALT X 200 TONS/HR = 6.40 LBS/HOUR. VOC = 0.032 LBS VOC/TON ASPHALT X 500,000 TONS/YR X 1 TON/2000LBS = 8.00 TONS/YR.			
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):	

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM10		2. Pollutant Regulatory Code: EL	
3. Primary Control Device Code: 016	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control: 99	
6. Potential Emissions: 4.6 lb/hour 5.75 tons/year		7. Synthetically Limited? [Y]	
8. Emission Factor: 0.023 LBS/TON Reference: AP 42, TABLE 11.1-3		9. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): $PM_{10} = 0.023 \text{ LBS } PM_{10}/TON \text{ ASPHALT} \times 200 \text{ TONS}/HR = 4.60 \text{ LBS}/HOUR.$ $PM_{10} = 0.023 \text{ LBS } PM_{10}/TON \text{ ASPHALT} \times 500,000 \text{ TONS}/YR \times 1 \text{ TON}/2000\text{LBS} = 5.75 \text{ TONS}/YR.$			
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 2

**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: 20% Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance: ANNUAL EPA METHOD 9 OPACITY TEST	
5. Visible Emissions Comment (limit to 200 characters): NSPS	

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

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<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):	

Emissions Unit Information Section 1 of 2

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: _____ <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
3. Detailed Description of Control Equipment <input checked="" type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
5. Compliance Test Report <input type="checkbox"/> Attached, Document ID: <input type="checkbox"/> Previously submitted, Date: <input checked="" type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment:

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 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 checked="" 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>3. Description of Emissions Unit Addressed in This Section (limit to 60 characters):</p> <p>250 TPH RAP CRUSHER</p>		
<p>3. Emissions Unit Identification Number: <input type="checkbox"/> No ID</p> <p>ID: <input checked="" type="checkbox"/> ID Unknown</p>		
<p>4. Emissions Unit Status Code: C</p>	<p>7. Initial Startup Date:</p>	<p>6. Emissions Unit Major Group SIC Code: 29</p>
<p>8. Emissions Unit Comment: (Limit to 500 Characters)</p> <p>NOTE: THE PERMIT SHOULD NOT SPECIFY THE TYPE AND SIZE OF THE RAP CRUSHER AND DIESEL ENGINES USED. PERMIT SHOULD ALLOW ANY RAP CRUSHER UP TO 250 TPH AND ALLOW THE USE OF DIESEL ENGINES TO POWER THE EQUIPMENT WITH A MAXIMUM FUEL USAGE OF 46,000 GALLONS PER YEAR.</p>		

Emissions Unit Information Section 2 of 2
Emissions Unit Control Equipment

2. Control Equipment/Method Description (limit to 200 characters per device or method):
WATER SPRAY BARS

2. Control Device or Method Code(s): **061**

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:	mmBtu/hr
2. Maximum Incineration Rate:	lb/hr tons/day
3. Maximum Process or Throughput Rate:	250 TPH AND 125,000 TONS/YEAR
4. Maximum Production Rate:	250 TPH AND 125,000 TONS/YEAR
5. Requested Maximum Operating Schedule:	
	hours/day days/week
	weeks/year hours/year 2000
6. Operating Capacity/Schedule Comment (limit to 200 characters): WE REQUEST THAT THERE BE NO RESTRICTIONS ON HOURS PER DAY, DAYS PER WEEK, OR WEEKS PER YEAR.	

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: 4	
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: F	6. Stack Height: feet	7. Exit Diameter: feet	
8. Exit Temperature: 70 °F	9. Actual Volumetric Flow Rate: acfm	10. Water Vapor: %	
11. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: 15 feet	
13. Emission Point UTM Coordinates: Zone: 17 East (km): 392.76 North (km): 3124.28			
14. Emission Point Comment (limit to 200 characters):			

Emissions Unit Information Section 2 of 2

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 2

1. Segment Description (Process/Fuel Type) (limit to 500 characters): RAP CRUSHING (PRIMARY CRUSHING)		
2. Source Classification Code (SCC): 3-05-020-01		3. SCC Units: TONS RAW MATERIAL
4. Maximum Hourly Rate: 250	5. Maximum Annual Rate: 125,000	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 2

1. Segment Description (Process/Fuel Type) (limit to 500 characters): INTERNAL COMBUSTION ENGINE - INDUSTRIAL DISTILLATE OIL (DIESEL) RECIPROCATING		
3. Source Classification Code (SCC): 2-02-001-02		3. SCC Units: 1000 GALLONS BURNED
4. Maximum Hourly Rate: 0.023	5. Maximum Annual Rate: 46.00	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 0.5	8. Maximum % Ash:	10. Million Btu per SCC Unit: 138
10. Segment Comment (limit to 200 characters): THIS SEGMENT INCLUDES THE FUEL OIL BURNED IN THE 320 HP DIESEL ENGINE AND THE 100 KW POWER GENERATOR		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM		2. Pollutant Regulatory Code: NS	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 15.79 lb/hour 4.69 tons/year		7. Synthetically Limited? [Y]	
8. Emission Factor: SEE ATTACHED SPREADSHEETS Reference: AP42, TABLE 11.19.2-2		9. Emissions Method Code: 4	
10. Calculation of Emissions (limit to 600 characters): SEE ATTACHED SPREADSHEET INCLUDES EMISSIONS FROM FUEL OIL COMBUSTION IN THE DIESEL ENGINES.			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			

Allowable Emissions Allowable Emissions _____ of _____

4. 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):	

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM10		2. Pollutant Regulatory Code: NS	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 6.32 lb/hour 2.32 tons/year		7. Synthetically Limited? [Y]	
8. Emission Factor: SEE ATTACHED SPREADSHEETS Reference: AP42, TABLE 11.19.2-2		9. Emissions Method Code: 4	
11. Calculation of Emissions (limit to 600 characters): SEE ATTACHED SPREADSHEETS INCLUDES EMISSIONS FROM FUEL OIL COMBUSTION IN THE DIESEL ENGINES.			
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):	

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: SO2		2. Pollutant Regulatory Code: EL	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 0.92 lb/hour 0.92 tons/year		7. Synthetically Limited? [Y]	
8. Emission Factor: 0.29 LBS/MMBTU Reference: AP42, TABLE 3.3-2		9. Emissions Method Code: 3	
12. Calculation of Emissions (limit to 600 characters): SEE ATTACHED SPREADSHEETS EMISSIONS FROM FUEL OIL COMBUSTION IN THE DIESEL ENGINES			
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):	

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: NOX		2. Pollutant Regulatory Code: EL	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 14.02 lb/hour 14.02		7. Synthetically Limited? [Y]	
8. Emission Factor: 4.41 LBS/MMBTU Reference: AP 42, TABLE 3.3-2		9. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): SEE ATTACHED SPREADSHEETS EMISSIONS FROM FUEL OIL COMBUSTION IN THE DIESEL ENGINES			
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):	

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: CO		2. Pollutant Regulatory Code: EL	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 3.02 lb/hour 3.02 tons/year		7. Synthetically Limited? [Y]	
8. Emission Factor: 0.95 LBS/TON Reference: AP 42, TABLE 3.3-2		9. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): SEE ATTACHED SPREADSHEETS EMISSIONS FROM FUEL OIL COMBUSTION IN THE DIESEL ENGINES			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			

Allowable Emissions Allowable Emissions _____ of _____

5. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
6. 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 2 of 2

Pollutant Detail Information Page 6 of 6

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: VOC		2. Pollutant Regulatory Code: EL	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 1.14 lb/hour 1.14 tons/year		7. Synthetically Limited? [Y]	
8. Emission Factor: 0.36 LBS/MMBTU Reference: AP 42, TABLE 3.3-2		9. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): SEE ATTACHED SPREADSHEETS EMISSIONS FROM FUEL OIL COMBUSTION IN THE DIESEL ENGINES			
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):	

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

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE10	2. Basis for Allowable Opacity: [X] Rule [] Other
3. Requested Allowable Opacity: Normal Conditions: 10% Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance: EPA METHOD 9 OPACITY TEST PROVIDED BY THE OWNER OF THE RAP CRUSHER, AS REQUIRED BY THE RAP CRUSHER'S GENERAL PERMIT.	
5. Visible Emissions Comment (limit to 200 characters): NSPS SUBPART 000 (40CFR60.672)	

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

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	[] Rule [] Other
4. Monitor Information: Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters):	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: FLOW DIAGRAM <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
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
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 type="checkbox"/> Attached, Document ID: <input type="checkbox"/> Previously submitted, Date: <input checked="" type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input checked="" type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment:

THE LANE CONSTRUCTION CORPORATION
DRUM MIX ASPHALT PLANT NO. 67
KATHLEEN, FLORIDA
POTENTIAL EMISSIONS

FUEL TYPE	# 5 USED FUEL OIL
MAXIMUM PROCESS INPUT RATE (TONS/HR)	200
MAXIMUM PROCESS INPUT RATE (TONS/YEAR)	500000
MAXIMUM EXHAUST FLOW (DSCF/M)	25000
MAXIMUM HOURS PER YEAR OF OPERATION	4000

POLLUTANT	EMISSION FACTOR	UNITS	POUND PER HOUR	TONS PER YEAR
ALLOWABLE PARTICULATE (PM)	0.04	GRAINS/DSCF	8.57	17.14
SULFUR DIOXIDE (SO ₂) (AP42)	0.058	LBS/TON	11.6	14.50
NITROGEN OXIDES (NOX)	0.055	LBS/TON	11	13.75
CARBON MONOXIDE (CO)	0.13	LBS/TON	26	32.50
VOC	0.032	LBS/TON	6.4	8.00
PARTICULATE <10 UM (PM10)	0.023	LBS/TON	4.6	5.75

LANE CONSTRUCTION CORP., KATHLEEN, FL.,
 DRUM MIX ASPHALT PLANT
 RAP CRUSHER EMISSIONS (OUTSIDE COMPANY)
 EMISSION FACTORS FROM AP42, TABLE 11.19.2-2

MAXIMUM RAP USAGE (TONS/YEAR) = 125000
 MAXIMUM RAP USAGE (TONS/HOUR) = 250

ACTIVITY	PM EMISSION FACTOR (LB/TON)	PM EMISSIONS (TONS/YEAR)	PM EMISSIONS (LBS/HR.)	PM10 EMISSION FACTOR (LB/TON)	PM10 EMISSIONS (LBS/HR.)	PM10 EMISSIONS (TONS/YEAR)	SUBJECT TO SUBPART 000 (YES/NO)	OPACITY STANDARD (%)
DROP TO FEEDER (1)	0.003	0.1875	0.75	0.0011	0.275	0.06875	YES	10
CRUSHER (2)	0.0012	0.075	0.3	0.00054	0.135	0.03375	YES	15
CRUSHER TO CONVEYOR 1 (3)	0.003	0.1875	0.75	0.0011	0.275	0.06875	YES	10
CONVEYOR 1 TO SCREEN (4)	0.003	0.1875	0.75	0.0011	0.275	0.06875	YES	10
SCREEN TO CONVEYOR 2 (5)	0.003	0.1875	0.75	0.0011	0.275	0.06875	YES	10
SCREEN TO CONVEYOR 4 (6)	0.003	0.1875	0.75	0.0011	0.275	0.06875	YES	10
SCREEN TO CONVEYOR 5 (7)	0.003	0.1875	0.75	0.0011	0.275	0.06875	YES	10
CONVEYOR 5 TO CONVEYOR 6 (8)	0.003	0.1875	0.75	0.0011	0.275	0.06875	YES	10
CONVEYOR 2 TO CONVEYOR 3 (9)	0.003	0.1875	0.75	0.0011	0.275	0.06875	YES	10
CONVEYOR 3 TO CRUSHER (10)	0.003	0.1875	0.75	0.0011	0.275	0.06875	YES	10
SCREEN (11)	0.025	1.5625	6.25	0.0087	2.175	0.54375	YES	10
STOCKPILE 1 (12)	0.003	0.1875	0.75	0.0011	0.275	0.06875	NO	20
STOCKPILE 2 (13)	0.003	0.1875	0.75	0.0011	0.275	0.06875	NO	20
TOTAL EMISSIONS	0.0592	3.7	14.8	0.02134	5.335	1.33375		

NOTE: Emission factors are from AP42, Table 11.19.2-2 for crushed stone processing.

(1) = SEE ATTACHED FLOW DIAGRAM

LANE CONSTRUCTION CORPORATION
KATHLEEN FLORIDA
320 HP DIESEL ENGINE FOR RAP CRUSHER
POTENTIAL EMISSIONS ON NO. 2 DISTILLATE FUEL OIL
BASED ON AP-42 5TH EDITION EMISSION FACTORS FOR UNCONTROLLED DIESEL INDUSTRIAL ENGINES

FUEL TYPE	NEW NO. 2 FUEL OIL
MAXIMUM OPERATING TIME (HRS/YR)	2000
MAXIMUM FUEL SULFUR CONTENT (%)	0.5
MAXIMUM HEAT INPUT (MMBTU/HR)	2.24
MAXIMUM NO. 2 FUEL OIL RATE (GAL/HR)	16.20
MAXIMUM HEAT INPUT ON OIL PER YEAR (MMBTU/YR)	4480.00
MAXIMUM NO. 2 FUEL OIL USAGE PER YEAR (GALLONS)	32400.00

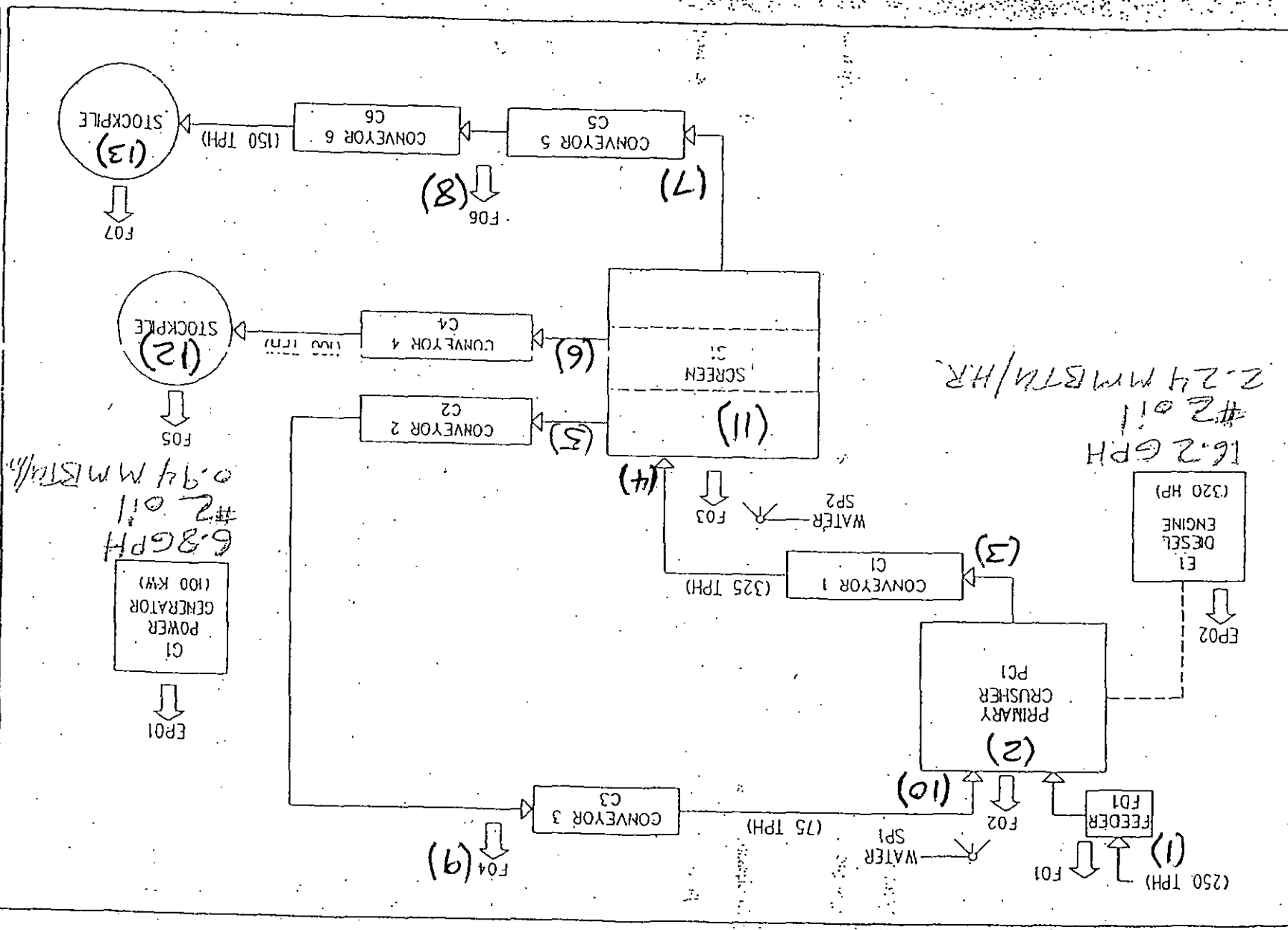
POLLUTANT	EMISSION FACTOR	SOURCE OF EMISSION FACTOR	EMISSION FACTOR UNITS	EMISSION RATE (LBS/HR)	EMISSION RATE (TONS/YEAR)
PARTICULATE <10 UM (PM10)	0.31	AP42 TABLE 3.3-2	LBS/MMBTU (FUEL INPUT)	0.694	0.694
SULFUR DIOXIDE (SO ₂)	0.29	AP42 TABLE 3.3-2	LBS/MMBTU (FUEL INPUT)	0.650	0.650
NITROGEN OXIDES (NOX)	4.41	AP42 TABLE 3.3-2	LBS/MMBTU (FUEL INPUT)	9.878	9.878
CARBON MONOXIDE (CO)	0.95	AP42 TABLE 3.3-2	LBS/MMBTU (FUEL INPUT)	2.128	2.128
VOC (TOC)	0.36	AP42 TABLE 3.3-2	LBS/MMBTU (FUEL INPUT)	0.806	0.806

LANE CONSTRUCTION CORPORATION
KATHLEEN FLORIDA
100 KW POWER GENERATOR FOR RAP CRUSHER
POTENTIAL EMISSIONS ON NO. 2 DISTILLATE FUEL OIL
BASED ON AP-42 5TH EDITION EMISSION FACTORS FOR UNCONTROLLED DIESEL INDUSTRIAL ENGINES

FUEL TYPE	NEW NO. 2 FUEL OIL
MAXIMUM OPERATING TIME (HRS/YR)	2000
MAXIMUM FUEL SULFUR CONTENT (%)	0.5
MAXIMUM HEAT INPUT (MMBTU/HR)	0.94
MAXIMUM NO. 2 FUEL OIL RATE (GAL/HR)	6.80
MAXIMUM HEAT INPUT ON OIL PER YEAR (MMBTU/YR)	1880.00
MAXIMUM NO. 2 FUEL OIL USAGE PER YEAR (GALLONS)	13600.00

POLLUTANT	EMISSION FACTOR	SOURCE OF EMISSION FACTOR	EMISSION FACTOR UNITS	EMISSION RATE (LBS/HR)	EMISSION RATE (TONS/YEAR)
PARTICULATE <10 UM (PM10)	0.31	AP42 TABLE 3.3-2	LBS/MMBTU (FUEL INPUT)	0.291	0.291
SULFUR DIOXIDE (SO ₂)	0.29	AP42 TABLE 3.3-2	LBS/MMBTU (FUEL INPUT)	0.273	0.273
NITROGEN OXIDES (NOX)	4.41	AP42 TABLE 3.3-2	LBS/MMBTU (FUEL INPUT)	4.145	4.145
CARBON MONOXIDE (CO)	0.95	AP42 TABLE 3.3-2	LBS/MMBTU (FUEL INPUT)	0.893	0.893
VOC (TOC)	0.36	AP42 TABLE 3.3-2	LBS/MMBTU (FUEL INPUT)	0.338	0.338

NOT DRAWN TO SCALE. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE APPROXIMATE. ALL DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.



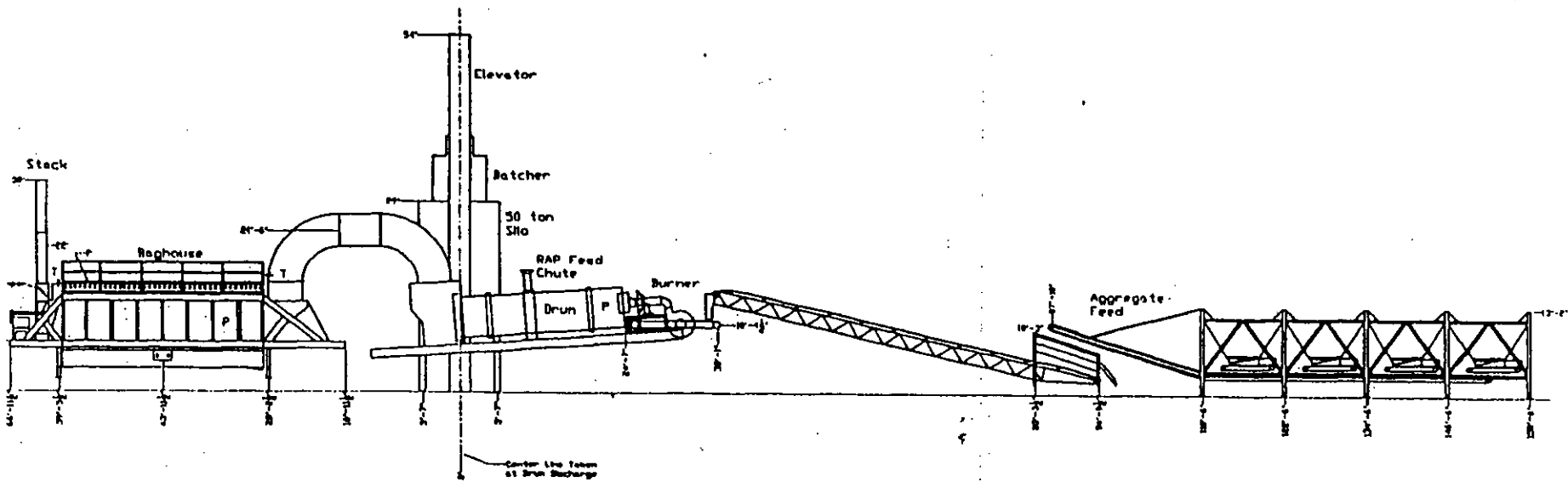
SS01

PROCESS FLOOR JOEVAULTIC
LINDSON JONES

ESTROKARKA

ALLIANCE RECYCLING INC.
ADMINISTRATIVE
AND REPORT APPLICATION

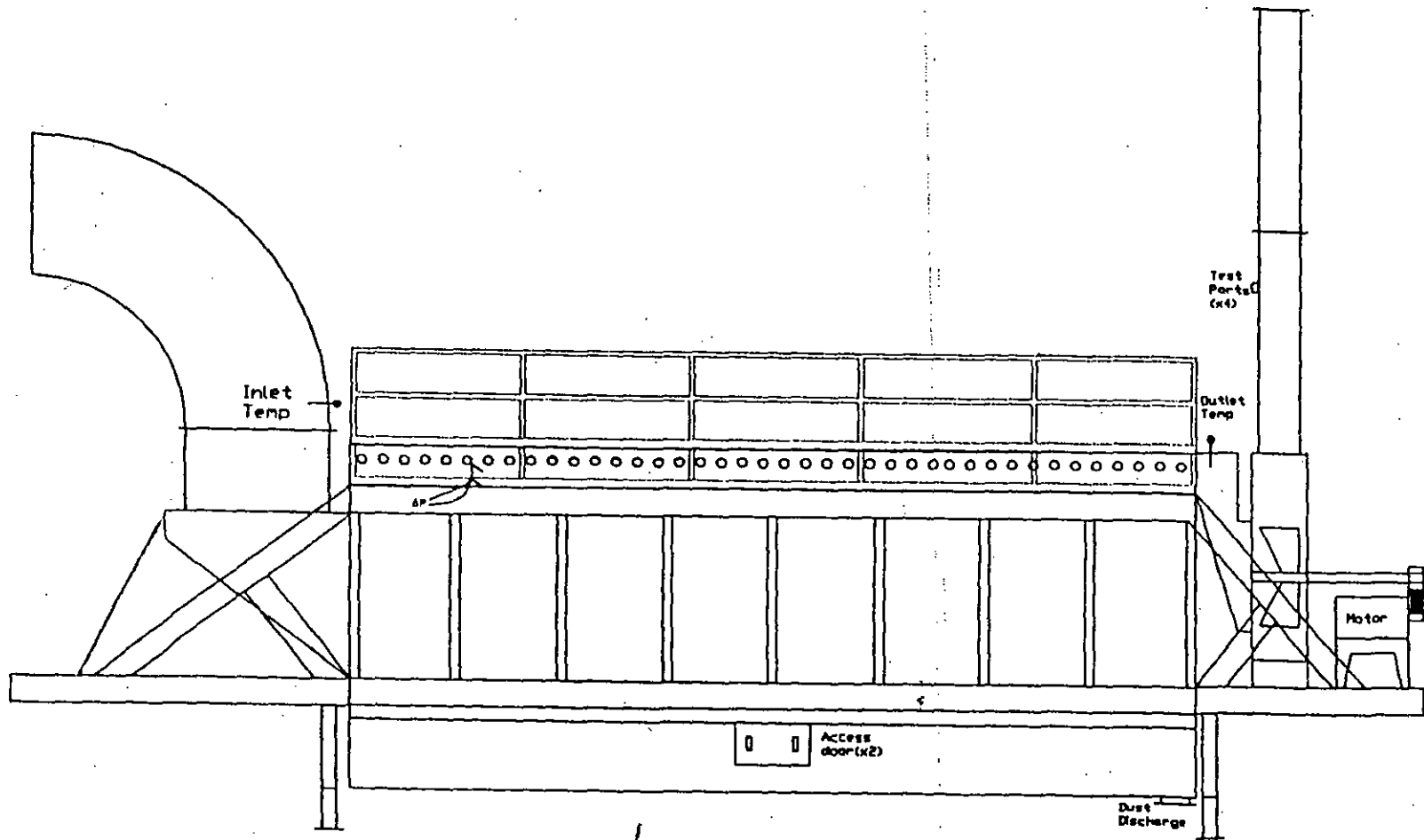
DAVIS FLOYD



Note: T- Temperature Probe
 P- Pressure Probe

-Plant is kept at negative pressure, there is no significant air entry except at burner
 -For drawing clarity, the rap feed system is not shown. The setup is similar to the aggregate feed but having only one bin.

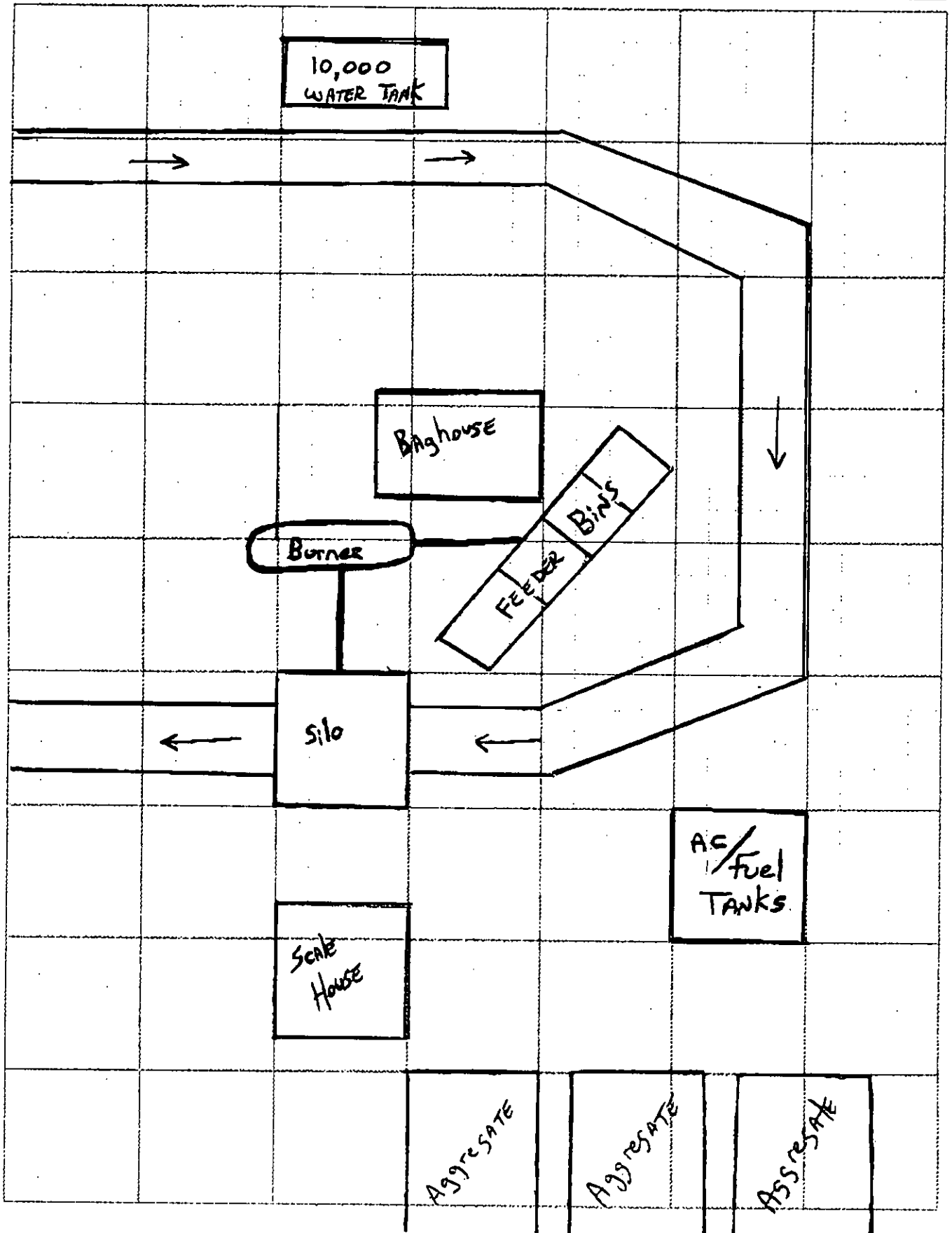
Process Diagram		
DWN.	Drawing #	Date
JMA		12/19/03

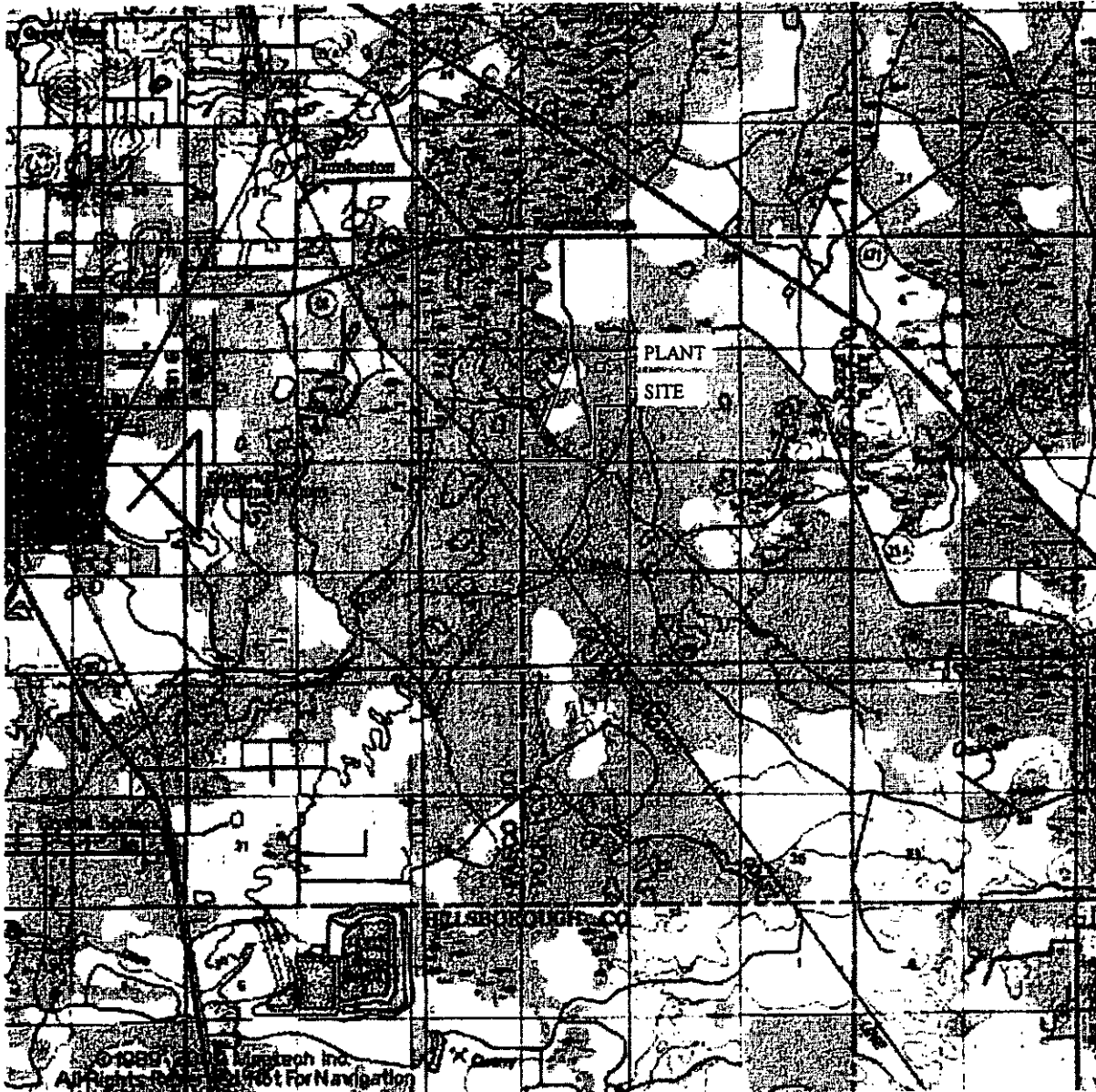


#67 Plant Baghouse		
DWN.	Drawing #	Date
JMA		12/18/03

THE
LANE
CONSTRUCTION
CORPORATION

BY _____ SHEET NO. _____ OF _____
DATE _____ PROJ. NO. _____
SUBJECT _____





THE LANE CONSTRUCTION CORPORATION
13300 HOWARD BOULEVARD
KATHLEEN, FLORIDA 33849

FROM USGS TOPO MAP: SOCRUM

LATITUDE: 28° 14' 30"

LONGITUDE: 82° 05' 35"

Precautions to Prevent Emissions of Unconfined Emissions

1. Paving and maintenance of roads, parking area, and yards or the application of water to unpaved roads, parking areas, and yards to control emissions.
2. The use of sprinklers on stock piles if necessary.
3. Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent the reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
4. Landscaping or planting of vegetation.

		GND	Pieces: 1/1
FM: DEP AIR RESOURCE MGMT P. Adams DIRECTOR OFFICE STE 23 111 S MAGNOLIADR TALLAHASSEE, FL 32301 UNITED STATES Phone: 850-921-9505		ORIGIN: TLH Sender's ref 37550201000	
To: DEP SOUTHWEST DISTRICT OFFICE MS. MARA NASCA 8407 LAUREL FAIR CIRCLE AIR RESOURCES TAMPA, FL 33610 UNITED STATES		POSTCODE: 33610 TEL: 813-744-6100	
		Day 07MO	
Description: Lane Const., Crystal River, Hardee Power Part. Weight: 1 lbs for 1 pcs Date: 2006-08-04 DHL standard terms and conditions apply.			
 (2L)JS33610		ALEX OD FSC	
 WAYBILL: 17289553750		(Non-Negotiable)	

▲ PEEL HERE PEEL HERE ▲

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DO NOT PHOTOCOPY

SENDER'S RECEIPT
 Waybill #: 17289553750

To(Company):
 DEP Southwest District Office
 Air Resources
 8407 Laurel Fair Circle
 Tampa, FL 33610
 UNITED STATES

Attention To: Ms. Mara Nasca
 Phone#: 813-744-6100

Sent By: P. Adams
 Phone#: 850-921-9505

Rate Estimate: 3.1
 Protection: Not Required
 Description: Lane Const., Crystal River, Hardee Power Part.

Weight (lbs.): 1
 Dimensions: 0 x 0 x 0

Ship Ref: 37550201000
 Service Level: Ground (Est. delivery in 1 business day(s))

Special Svc:

Date Printed: 8/4/2006
 Bill Shipment To: Sender
 Bill To Acct: 778941286

DHL Signature (optional) _____ Route _____ Date _____ Time _____

For Tracking, please go to www.dhl-usa.com or call 1-800-225-5345
Thank you for shipping with DHL

Create new shipment ▶ View pending shipments ▶ Print waybill ▶

