

**DARABI
AND
ASSOCIATES, INC.**
Environmental Consultants

Suite A • 730 NE Waldo Road, Gainesville, Florida 32641 • Phone: 352/376-6533 • Fax: 352/377-3166

November 5, 1999

Mr. Jonathon Holtom
Florida Department of Environmental Protection
Division of Air Resource
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

RE: Mulliniks Construction Co., Inc.
Air Permit

Dear Mr. Holtom:

We are hereby submitting the application for two additional mobile crushers to be operated statewide.

We are sending a \$2,500.00 application (\$1,250.00 each) fee to cover two separate crushers, any one of the crushers may operate in any county due to project scheduling need. The initial site is the county headquarters in Jacksonville, however, the crusher would not operate there.

Please feel free to call me should you have any questions or concerns.

Sincerely,



Frank A. Darabi, P.E.
President

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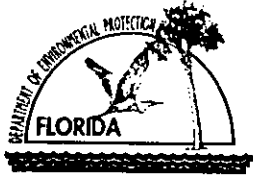
Enclosure

xc: Billy Mulliniks

RECEIVED

NOV 08 1999

BUREAU OF AIR REGULATION



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: Mulliniks Construction Company, Inc.	
2. Site Name: Portable Crushing Unit CP02F	
3. Facility Identification Number: <input checked="" type="checkbox"/> Unknown	
4. Facility Location: Street Address or Other Locator: 5937 Soutel Drive City: Jacksonville County: Duval Zip Code: 33219	
5. Relocatable Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6. Existing Permitted Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Application Contact

1. Name and Title of Application Contact: Billy Mulliniks, Jr., President	
2. Application Contact Mailing Address: Organization/Firm: Mulliniks Construction Company, Inc. Street Address: 5937 Soutel Drive City: Jacksonville State: FL Zip Code: 33219	
3. Application Contact Telephone Numbers: Telephone: (904) 764-3644 Fax: (904) 764-3976	

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	11/8/99
2. Permit Number:	7775104-001-AC

RECEIVED

NOV 08 1999

BUREAU OF AIR REGULATION

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: _____

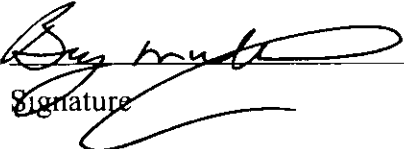
Reason for revision: _____

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: Billy Mulliniks, Jr., President
2. Owner/Authorized Representative Mailing Address: Organization/Firm: Mulliniks Construction Company, Inc. Street Address: 5937 Soutel Drive City: Jacksonville State: Florida Zip Code: 32219
3. Owner/Authorized Representative Telephone Numbers: Telephone: (904) 764-3644 Fax: (904) 764 - 3976
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 9 - 20 - 99 Date

* Attach letter of authorization if not currently on file.

Professional Engineer Certification

1. Professional Engineer Name: Registration Number: 20385
2. Professional Engineer Mailing Address: Organization/Firm: Darabi and Associates, Inc. Street Address: 730 N. E. Waldo Road, Bldg. A City: Gainesville State: Florida Zip Code: 32641
3. Professional Engineer Telephone Numbers: Telephone: (352) 376 - 6533 Fax: (352) 377 - 3166

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

9/27/99
Date

(seal)

* Attach any exception to certification statement.

Construction/Modification Information

1. Description of Proposed Project or Alterations:

Mulliniks Construction Co., Inc. is requesting a construction permit for a mobile concrete and asphalt crushing unit to be operated in all of the counties in the state of Florida.

2. Projected or Actual Date of Commencement of Construction: **Upon DEP Approval**

3. Projected Date of Completion of Construction: **Upon DEP Approval**

Application Comment

Facility Regulatory Classifications

Check all that apply:

1. <input type="checkbox"/> Small Business Stationary Source?	<input type="checkbox"/> Unknown
2. <input type="checkbox"/> Synthetic Non-Title V Source?	
3. <input 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):	
Certain pieces of the equipment described in this application are affected facilities per 40 CFR 60, Subpart OOO.	

Rule Applicability Analysis

The facility is subject to certain provisions of these rules:

- Rule 62-4, FAC**
- Rule 62-204, FAC**
- Rule 62-210, FAC**
- Rule 62-296, FAC**
- Rule 62-297, FAC**
- 40 CFR 60, Subpart A**
- 40 CFR 60, Subpart OOO**

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	B				
SO ₂					
NO _x					
CO					

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:

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>2. Description of Emissions Unit Addressed in This Section (limit to 60 characters):</p> <p>Material Handling - certain pieces of equipment are not subject to NSPS Subpart OOO</p>		
<p>3. Emissions Unit Identification Number: <input type="checkbox"/> No ID ID: 001 <input type="checkbox"/> ID Unknown</p>		
<p>4. Emissions Unit Status Code: A</p>	<p>5. Initial Startup Date: N/A</p>	<p>6. Emissions Unit Major Group SIC Code: 14</p>
<p>6. Emissions Unit Comment: (Limit to 500 Characters)</p> <p>A portable crushing unit was acquired by Mulliniks Construction Co., Inc.</p>		

Emissions Unit Information Section 1 of 3

Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method): Dust Suppression by Water Sprays
2. Control Device or Method Code(s): 061

Emissions Unit Details

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

Emissions Unit Operating Capacity and Schedule

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: 200 tons/hr	
4. Maximum Production Rate: N/A	
5. Requested Maximum Operating Schedule:	
	8 hours/day 5 days/week
	50 weeks/year 2000 hours/year
7. Operating Capacity/Schedule Comment (limit to 200 characters):	
The portable crushing unit has certain pieces of equipment not subject to NSPS and has a processing rate of 200 tons/hr.	
200 tons/hr x 2000 hr/yr = 400000 tons/yr	

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? Portable Crusher		2. Emission Point Type Code: 3		
2. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):				
Facility	Description	Model	Serial #	Year Manuf.
PC1	Pioneer Jaw Primary Crusher	3042	U2199	1976
C1	Conveyor #1	42"x 25'	U2199	1976
CS	Pioneer Triple Roll Secondary Crusher	40 x 30	4339E119	1967
S1	Telsmith Screen	6 x 16	5213	1967
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/A				
5. Discharge Type Code: F	6. Stack Height: N/A feet	7. Exit Diameter: N/A feet		
8. Exit Temperature: Ambient, 77°F	9. Actual Volumetric Flow Rate: N/A acfm	10. Water Vapor: N/A %		
11. Maximum Dry Standard Flow Rate: N/A dscfm		12. Nonstack Emission Point Height: 0 feet		
13. Emission Point UTM Coordinates:				
Zone:		East (km):		North (km):
14. Emission Point Comment (limit to 200 characters):				

Emissions Unit Information Section 1 of 3

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Mineral Products: Stone Quarrying/Processing: General		
3. Source Classification Code (SCC): 3-05-020-99		3. SCC Units: Tons Processed
4. Maximum Hourly Rate: 200 Tons Processed	5. Maximum Annual Rate: 400000 Tons Processed	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: N/A	8. Maximum % Ash: N/A	9. Million Btu per SCC Unit: N/A
10. Segment Comment (limit to 200 characters): The portable crushing unit has certain pieces of equipment not subject to NSPS and has a processing rate of 200 TPH. 200 TPH x 2000 hr/yr = 400000 tons/yr		

Segment Description and Rate: Segment ____ of ____

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

Emissions Unit Information Section 1 of 3

Pollutant Detail Information Page 2 of 2

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: 0.78 lb/hour 0.78 tons/year		7. Synthetically Limited? []	
8. Emission Factor: 0.004 lb/ton Reference: AP-42 Version 5 Table 11.19.2-2		9. Emissions Method Code:	
10. Calculation of Emissions (limit to 600 characters): Hourly: 200 ton/hr x 0.004 lb/ton = 0.78 lb/hr Annual: 0.78 lb/hr x 2000 hr/yr x 1 ton/2000 lb = 0.78 tons/yr			
11. Pollutant Potential Emissions Comment (limit to 200 characters): Screening (controlled) = 0.00084 lb/ton x 2.1 = 0.0018 lb/ton Conveyor transfer point (controlled) = 2 x 0.000048 lb/ton = 0.000096 lb/ton x 2.1 = 0.0002 lb/ton Primary Crusher = 0.0007 lb/ton Secondary Crusher = 0.00059 lb/ton x 2.1 = 0.0012 lb/ton Emission Factor = 0.0018 lb/ton + 0.0002 lb/ton + 0.0007 lb/ton + 0.0012 lb/ton = 0.004 lb/ton			

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: N/A	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: <div style="display: flex; justify-content: space-around;"> lb/hour tons/year </div>
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 3

**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: N/A % Maximum Period of Excess Opacity Allowed: N/A min/hour	
4. Method of Compliance: Reasonable Precautions	
6. Visible Emissions Comment (limit to 200 characters): Conveyor Screen Primary and Secondary Crusher	

**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 3

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 checked="" type="checkbox"/> Not Applicable <input 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 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): Material Handling - certain equipment subject to NSPS Subpart OOO</p>		
<p>3. Emissions Unit Identification Number: <input type="checkbox"/> No ID ID: 002 <input type="checkbox"/> ID Unknown</p>		
<p>4. Emissions Unit Status Code: A</p>	<p>8. Initial Startup Date: N/A</p>	<p>6. Emissions Unit Major Group SIC Code: 14</p>
<p>9. Emissions Unit Comment: (Limit to 500 Characters)</p> <p>A portable crushing unit was acquired by Mulliniks Construction Co., Inc.</p>		

Emissions Unit Information Section 2 of 3

Emissions Unit Control Equipment

7. Control Equipment/Method Description (limit to 200 characters per device or method): N/A
2. Control Device or Method Code(s):

Emissions Unit Details

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

Emissions Unit Operating Capacity and Schedule

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: 200 tons/hr	
4. Maximum Production Rate: N/A	
5. Requested Maximum Operating Schedule: 8 hours/day	5 days/week
50 weeks/year	2000 hours/year
10. Operating Capacity/Schedule Comment (limit to 200 characters): <p>The portable crushing unit has certain pieces of equipment subject to NSPS and has a processing rate of 200 tons/hr.</p> <p>200 tons/hr x 2000 hr/yr = 400000 tons/yr</p>	

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? Portable Crusher		2. Emission Point Type Code: 3	
8. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):			
Facility	Description	Model	Serial # Year Manuf.
ST	Stacker	30"x 50'	Custom 1997
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/A			
5. Discharge Type Code: F	6. Stack Height: N/A feet	7. Exit Diameter: N/A feet	
8. Exit Temperature: Ambient, 77°F	9. Actual Volumetric Flow Rate: N/A acfm	10. Water Vapor: N/A %	
11. Maximum Dry Standard Flow Rate: N/A dscfm		12. Nonstack Emission Point Height: 0 feet	
13. Emission Point UTM Coordinates:			
Zone:		East (km):	North (km):
14. Emission Point Comment (limit to 200 characters):			

Emissions Unit Information Section 2 of 3

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Mineral Products: Stone Quarrying/Processing: General		
9. Source Classification Code (SCC): 3-05-020-99		3. SCC Units: Tons Processed
10. Maximum Hourly Rate: 200 Tons Processed	11. Maximum Annual Rate: 400000 Tons Processed	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: N/A	8. Maximum % Ash: N/A	9. Million Btu per SCC Unit: N/A
10. Segment Comment (limit to 200 characters): The portable crushing unit has certain pieces of equipment subject to NSPS and has a processing rate of 200 ton/hr. 200 ton/hr x 2000 hr/yr = 400000 tons/yr		

Segment Description and Rate: Segment ____ of ____

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

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: 0.02 lb/hour 0.02 tons/year		7. Synthetically Limited? []	
8. Emission Factor: 0.000048 lb/ton Reference: AP-42 Version 5 Table 11.19.2-2		9. Emissions Method Code:	
10. Calculation of Emissions (limit to 600 characters): Hourly: 200 ton/hr x 0.000048 lb/ton = 0.01 lb/hr x 2.1 = 0.02 Annual: 0.02 lb/hr x 2000 hr/yr x 1 ton/2000 lb = 0.02 tons/yr			
12. Pollutant Potential Emissions Comment (limit to 200 characters): Conveyor transfer point (controlled) = 0.000048 lb/ton			

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: N/A	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: <div style="display: flex; justify-content: space-around;"> lb/hour tons/year </div>
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: 0.01 lb/hour 0.01 tons/year		7. Synthetically Limited? []	
8. Emission Factor: 0.000048 lb/ton Reference: AP-42 Version 5 Table 11.19.2-2		9. Emissions Method Code:	
10. Calculation of Emissions (limit to 600 characters): Hourly: 200 ton/hr x 0.000048 lb/ton = 0.01 lb/hr Annual: 0.01 lb/hr x 2000 hr/yr x 1 ton/2000 lb = 0.01 tons/yr			
12. Pollutant Potential Emissions Comment (limit to 200 characters): Conveyor transfer point (controlled) = 0.000048 lb/ton			

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: N/A	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: <div style="display: flex; justify-content: space-around;"> lb/hour tons/year </div>
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 3

**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: [<input checked="" type="checkbox"/>] Rule [<input type="checkbox"/>] Other
3. Requested Allowable Opacity: Normal Conditions: 10 % Exceptional Conditions: N/A % Maximum Period of Excess Opacity Allowed: N/A min/hour	
4. Method of Compliance: Method 9	
12. Visible Emissions Comment (limit to 200 characters): NSPS Subpart OOO Stacker	

**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):	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: _____ [] Not Applicable [] Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ [X] Not Applicable [] Waiver Requested
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ [X] Not Applicable [] Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ [X] Not Applicable [] 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: _____ [X] Not Applicable [] Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ [X] Not Applicable [] Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ [X] Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ [X] 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 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>4. Description of Emissions Unit Addressed in This Section (limit to 60 characters):</p> <p>(3) Diesel Engines for Portable Crushing Unit</p>		
<p>3. Emissions Unit Identification Number:</p> <p>ID: 003</p>		<p><input type="checkbox"/> No ID</p> <p><input type="checkbox"/> ID Unknown</p>
<p>4. Emissions Unit Status</p> <p>Code: A</p>	<p>11. Initial Startup Date:</p> <p>N/A</p>	<p>6. Emissions Unit Major Group SIC Code: 14</p>
<p>12. Emissions Unit Comment: (Limit to 500 Characters)</p> <p>The portable crushing unit has a two (2) diesel power units and one (1) diesel generator.</p>		

Emissions Unit Information Section 3 of 3

Emissions Unit Control Equipment

13. Control Equipment/Method Description (limit to 200 characters per device or method): N/A
2. Control Device or Method Code(s):

Emissions Unit Details

1. Package Unit: N/A Manufacturer:	Model Number:
2. Generator Nameplate Rating: 175 kW	
3. Incinerator Information: N/A	
Dwell Temperature:	°F
Dwell Time:	seconds
Incinerator Afterburner Temperature:	°F

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: N/A	3.08 mmBtu/hr
2. Maximum Incineration Rate: N/A	lb/hr tons/day
3. Maximum Process or Throughput Rate: 22 gal/hr total for three (3) engines	
4. Maximum Production Rate: N/A	
5. Requested Maximum Operating Schedule:	
8 hours/day	5 days/week
50 weeks/year	2000 hours/year
13. Operating Capacity/Schedule Comment (limit to 200 characters):	
The diesel unit has a processing rate of 22 gal/hr.	
22 gal/hr x 140,000 Btu/gal = 3.08 mmBtu/hr	

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? Diesel Power Unit and Diesel Generator		2. Emission Point Type Code: 3	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): (2) Diesel Power Units (1) Diesel Generator			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/A			
5. Discharge Type Code: F	6. Stack Height: 10 feet	7. Exit Diameter: N/A feet	
8. Exit Temperature: 400°F	9. Actual Volumetric Flow Rate: N/A acfm	10. Water Vapor: N/A %	
11. Maximum Dry Standard Flow Rate: N/A dscfm		12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates: Zone: East (km): North (km):			
14. Emission Point Comment (limit to 200 characters):			

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Internal Combustion Engines: Industrial: Diesel: Reciprocating		
14. Source Classification Code (SCC): 2-02-001-02		3. SCC Units: Thousand Gallons Burned
15. Maximum Hourly Rate: 0.022 Thousand Gallons Burned	16. Maximum Annual Rate: 44 Thousand Gallons Burned	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 0.5	8. Maximum % Ash: N/A	9. Million Btu per SCC Unit: 140
10. Segment Comment (limit to 200 characters): Hourly: 22 gal/hr x 0.001 Thousand Gallons/gal = 0.022 Thousand Gallons Burned/hr Annual: 0.022 Thousand Gallons Burned/hr x 2000 hr/yr = 44 Thousand Gallons Burned		

Segment Description and Rate: Segment ____ of ____

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

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM/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: 0.95 lb/hour 0.95 tons/year		7. Synthetically Limited? []	
8. Emission Factor: 0.31 lb/mmBtu Reference: AP-42 Version 5 Table 3.3-2		9. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): Hourly: 0.31 lb/mmBtu x 3.08 mmBtu/hr = 0.95 lb/hr Annual: 0.95 lb/hr x 2000 hr/yr x 1 ton/2000 lb = 0.95 tons/yr			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: N/A	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: <div style="display: flex; justify-content: space-around;"> lb/hour tons/year </div>
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: NS	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 13.6 lb/hour 13.6 tons/year		7. Synthetically Limited? []	
8. Emission Factor: 4.41 lb/mmBtu Reference: AP-42 Version 5 Table 3.3-2		9. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): Hourly: 4.41 lb/mmBtu x 3.08 mmBtu/hr = 13.6 lb/hr Annual: 13.6 lb/hr x 2000 hr/yr x 1 ton/2000 lb = 13.6 tons/yr			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: N/A	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: NS	
3. Primary Control Device Code:	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 2.9 lb/hour 2.9 tons/year		7. Synthetically Limited? []	
8. Emission Factor: 0.95 lb/mmBtu Reference: AP-42 Version 5 Table 3.3-2		9. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): Hourly: 0.95 lb/mmBtu x 3.08 mmBtu/hr = 2.9 lb/hr Annual: 2.9 lb/hr x 2000 hr/yr x 1 ton/2000 lb = 2.9 tons/yr			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code: N/A	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 3 of 3

**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: No Compliance Demonstration Required	
17. Visible Emissions Comment (limit to 200 characters): General VE	

**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):	

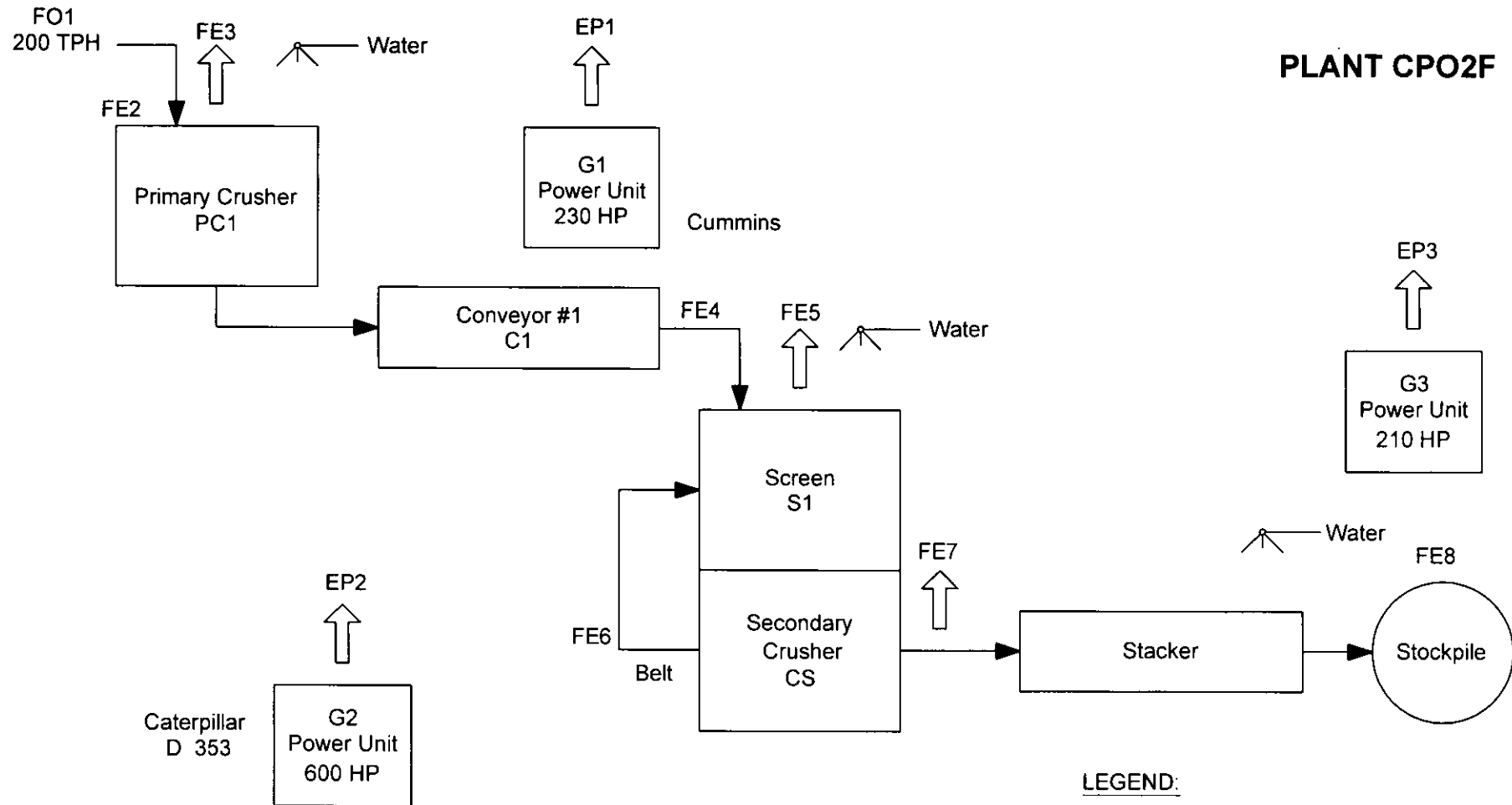
Emissions Unit Information Section 3 of 3

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 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 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:

PLANT CPO2F



LEGEND:

- PC - Primary Crusher Pioneer Jaw 3042
- SC - Secondary Crusher Pioneer 403C Roh
- G1 - Power Unit 1 Cummins
- G2 - Power Unit 2 Powered by Cat. 353
- G3 - Power Unit 3 210 HP, Cat. 175Kw
- SC - Screen
- F - Fugitive Emission Points
- EP - Stationary Emission Point

**DARABI
AND
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Environmental Consultants

**Mulliniks Construction
Florida Plant CPO2F
Flow Diagram**

ATTACHMENT

O&M MANUAL

Primary Crusher - visually check bearings, wear items, safety guards, grease all on daily basis.

Secondary Crusher - visually check bearings, wear items, safety guards, grease all on daily basis.

Screens - check to make sure screens are secured daily, check for damage to screens, grease and safety check daily.

Conveyor Belts - check daily for bearings, safety, tears in belts.

Water Nozzle - check hourly, and daily to make sure they stay properly positioned for the best control on all controlled places.

Water Pump - Make sure pump is checked and properly operating on a daily basis.

Power Units - Check engine oil and water daily, make sure all guards are in place.

Loader - Check daily general maintenance, oil, water, wear, tires.

ATTACHMENT

Fugitive Dust Control:

To control fugitive dust emission from this facility, the best management practice such as the following will be incorporated into the daily operations:

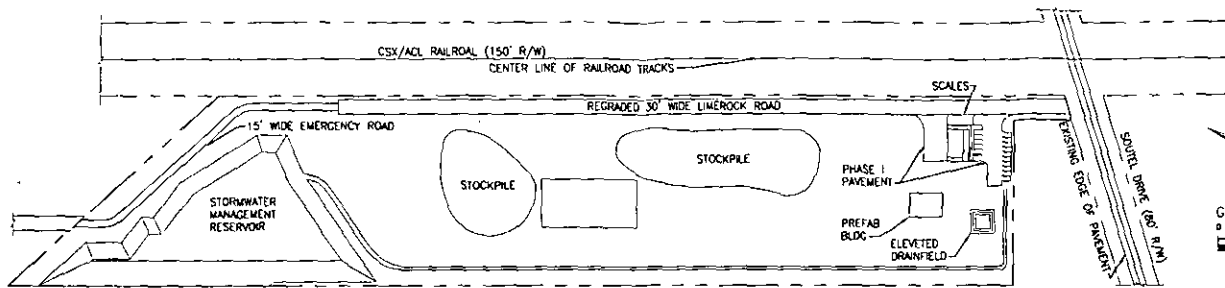
1. All storage material will be kept in a confined area and wetted as needed.
2. The unpaved roads will be sprayed with water on an as-needed basis.
3. Care will be exercised while transporting materials to minimize overfilling and spillage.



Project Site

0 250 500 Feet
1:6000

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 Environmental Consultants

Mulliniks Construction Co.