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Bureau of
Air Regulation

ENVIRONMENTAL
ENGINEERING
CONSULTANTS, INC.

Mr. A. A. Linero, P.E.
Air Permitting Section
Florida Department of
Environmental Protection
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Subject: Statewide Permit Application;
 Portable Concrete Crushing Facility;
 Complete Resources Company

Dear Mr. Linero:

On behalf of Complete Resources Co., this letter is to submit a statewide permit application to construct a portable concrete crushing facility. Enclosed are 4 copies of a completed FDEP Long Form 62-210.900(1), and a check for \$250.00.

This facility was already granted a statewide permit by the Department under permit AC29-223724. Unfortunately, the permit was inadvertently allowed to expire on March 1, 1994. I have enclosed in this application a copy of the expired permit and associated application.

It is requested that the application be processed in an expeditious manner. If you have any questions, please call me at (800) 229-3311.

Sincerely,

ENVIRONMENTAL ENGINEERING CONSULTANTS, INC.

Victor L. San Agustin, PE, CHMM
Senior Environmental Engineer

VSA/ch

cc: Tony Sorrell, Complete Resources Co.

1095 MAR -3 4:10:00
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5119 NORTH FLORIDA AVENUE
P.O. BOX 7854
TAMPA, FLORIDA 33673
813/237-3781
800/229-3781
TELEFAX 813/238-0036

677

COMPLETE RESOURCES OF FLORIDA COMPANY
OPERATING ACCOUNT
1275 E. 5TH AVE.
COLUMBUS, OHIO 43219

25-3/440

Feb 23 1995

PAY
TO THE
ORDER OF

Florida Dept. of Environmental Protection

\$250.00

Two hundred fifty and no/100

DOLLARS

BANK ONE.BANK ONE, COLUMBUS, NA
Columbus, Ohio 43271

FOR

Permit

Toby McKee

⑈000677⑈ ⑆044000037⑆ 0148531⑈

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Bureau of
Air Regulation

**Statewide Air Construction Permit Application
for a Portable Concrete Crushing Facility
Complete Resources Company**

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MAR 3 1995

**Bureau of
Air Regulation**

Prepared for:

**Complete Resources Company
4102 Main Avenue
Lakeland, Florida 33801**

Prepared by:

**Environmental Engineering Consultants, Inc.
5119 North Florida Avenue
Tampa, Florida 33607
Phone: (800)229-3781 Fax: (813)238-0036**

February 17, 1995

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Department of Environmental Protection

DIVISION OF AIR RESOURCES MANAGEMENT APPLICATION FOR AIR PERMIT - LONG FORM

See Instructions for Form No. 62-210.900(1)

I. APPLICATION INFORMATION

This section of the Application for Air Permit form provides general information on the scope of this application, the purpose for which this application is being submitted, and the nature of any construction or modification activities proposed as a part of this application. This section also includes information on the owner or authorized representative of the facility (or the responsible official in the case of a Title V source) and the necessary statements for the applicant and professional engineer, where required, to sign and date for formal submittal of the Application for Air Permit to the Department. If the application form is submitted to the Department on diskette, this section of the Application for Air Permit must also be submitted in hard-copy.

Identification of Facility Addressed in This Application

Enter the name of the corporation, business, governmental entity, or individual that has ownership or control of the facility; the facility name, if any; and a brief reference to the facility's physical location. If known, also enter the ARMS or AIRS facility identification number. This information is intended to give a quick reference, on the first page of the application form, to the facility addressed in this application. Elsewhere in the form, numbered data fields are provided for entry of the facility data in computer-input format.

Complete Resources Company
4102 Main Street
Lakeland, Florida 33801
ARMS Facility ID Number 30 ORG 48 0204 (Current designation in APIS)

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	3-3-95
2. Permit Number:	AC 29-264389
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

Owner/Authorized Representative or Responsible Official

1. Name and Title of Owner/Authorized Representative or Responsible Official:
Mr. Terry Sorrell, General Manager

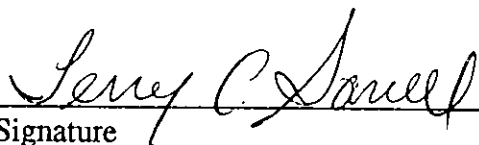
2. Owner/Authorized Representative or Responsible Official Mailing Address:

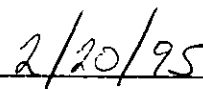
Organization/Firm: Complete Resources Company
Street Address: 4102 Main Street
City: Lakeland State: Florida Zip Code: 33801

3. Owner/Authorized Representative or Responsible Official Telephone Numbers:
Telephone: (813) 665-2133 Fax: (813) 665-6693

4. Owner/Authorized Representative or Responsible Official Statement:

I, the undersigned, am the owner or authorized representative of the facility (non-Title V source) addressed in this Application for Air Permit or the responsible official, as defined in Chapter 62-213, F.A.C., of the Title V source addressed in this application, whichever is applicable. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. Further, I agree to operate and maintain the air pollutant emissions units and air pollution control equipment described in this application so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. If the purpose of this application is to obtain an air operation permit or operation permit revision for one or more emissions units which have undergone construction or modification, I certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit. I 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.*


Signature


Date

* Attach letter of authorization if not currently on file.

Scope of Application

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

Emissions Unit ID	Description of Emissions Unit
30 ORG 48 0204 01	Concrete Crushing Facility
30 ORG 48 0204 02	725 HP Caterpillar Electric Generator, Diesel Fired

Purpose of Application and Category

Check one (except as otherwise indicated):

Category I: All Air Operation Permit Applications Subject to Processing Under Chapter 62-213, F.A.C. N/A

This Application for Air Permit is submitted to obtain:

- ☐ Initial air operation permit under Chapter 62-213, F.A.C., for an existing facility which is classified as a Title V source.
- ☐ Initial air operation permit under Chapter 62-213, F.A.C., for a facility which, upon start up of one or more newly constructed or modified emissions units addressed in this application, would become classified as a Title V source.

Current construction permit number: _____

- ☐ Air operation permit renewal under Chapter 62-213, F.A.C., for a Title V source.

Operation permit to be renewed: _____

- ☐ Air operation permit revision for a Title V source to address one or more newly constructed or modified emissions units addressed in this application.

Current construction permit number: _____

Operation permit to be revised: _____

- ☐ Air operation permit revision or administrative correction for a Title V source to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application. Also check Category III.

Operation permit to be revised/corrected: _____

- ☐ Air operation permit revision for a Title V source for reasons other than construction or modification of an emissions unit. Give reason for the revision; e.g., to comply with a new applicable requirement or to request approval of an "Early Reductions" proposal.

Operation permit to be revised: _____

Reason for revision: _____

**Category II: All Air Operation Permit Applications Subject to Processing Under
Rule 62-210.300(2)(b), F.A.C. N/A**

This Application for Air Permit is submitted to obtain:

- ☐ Initial 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): _____

- ☐ Renewal air operation permit under Rule 62-210.300(2)(b), F.A.C., for a synthetic non-Title V source.

Operation permit to be renewed: _____

- ☐ 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 to be revised: _____

Reason for revision: _____

**Category III: All Air Construction Permit Applications for All Facilities and
Emissions Units**

This Application for Air Permit is submitted to obtain:

- ☒ Air construction permit to construct or modify one or more emissions units within a facility (including any facility classified as a Title V source).

Current operation permit number(s), if any: _____

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

Current operation permit number(s): _____

- ☐ Air construction permit for one or more existing, but unpermitted, emissions units.

Application Processing Fee

Check one:

[XX] Attached - Amount: \$ \$250.00 [] Not Applicable.

Construction/Modification Information

- | |
|---|
| 1. Description of Proposed Project or Alterations:
This application is for the construction of a portable concrete crushing facility consisting of a Hazemag Crusher, Tyler screen, associated conveyors, and storage piles. This facility also includes a 725 HP Caterpillar 3412 engine generator, diesel fired. |
| 2. Projected or Actual Date of Commencement of Construction (DD-MON-YYYY):
As soon as possible. |
| 3. Projected Date of Completion of Construction (DD-MON-YYYY):
March, 1995 |

Professional Engineer Certification

1. Professional Engineer Name:	Victoriano L. San Agustin, Jr.		
	Registration Number: 40226		
2. Professional Engineer Mailing Address:			
Organization/Firm:	Environmental Engineering Consultants, Inc.		
Street Address:	5119 N. Florida Avenue		
City:	Tampa	State:	Florida Zip Code: 33603
3. Professional Engineer Telephone Numbers:			
Telephone:	(800) 229-3781	Fax:	(813) 238-0036
4. Professional Engineer Statement:			
<p><i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i></p> <p><i>(1) To the best of my knowledge, there is reasonable assurance (a) 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; or (b) for any application for a Title V source air operation permit, that each emissions unit described in this Application for Air Permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance schedule is submitted with this application;</i></p> <p><i>(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application; and</i></p> <p><i>(3) For any application for an air construction permit for one or more proposed new or modified emissions units, 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.</i></p> <p><i>Victoriano L. San Agustin, Jr.</i> <i>2/17/95</i></p> <p>Signature Date (seal)</p>			

* Attach any exception to certification statement.

Application Contact

1. Name and Title of Application Contact:			
Victor L. San Agustin, PE, CHMM - Senior Environmental Engineer			
2. Application Contact Mailing Address:			
Organization/Firm:	Environmental Engineering Consultants, Inc.		
Street Address:	5119 North Florida Ave.		
City:	Tampa	State:	Florida Zip Code: 33603
3. Application Contact Telephone Numbers:			
Telephone: (800) 229-3781		Fax: (813) 238-0036	

Application Comment

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II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Name, Location, and Type

1. Facility Owner or Operator: Complete Resources Company			
2. Facility Name: Complete Resources Company			
3. Facility Identification Number: 30 ORG 48 0204 [] Unknown			
4. Facility Location Information: Statewide Location. See Facility Comment below for Location Information. Facility Street Address: City: County: Zip Code:			
5. Facility UTM Coordinates: Statewide Location. See Facility Comment below. Zone: East (km): North (km):			
6. Facility Latitude/Longitude: Statewide Location. See Facility Comment below. Latitude (DD/MM/SS): Longitude (DD/MM/SS):			
7. Governmental Facility Code: 0	8. Facility Status Code: C	9. Relocatable Facility? [XX] Yes [] No	10. Facility Major Group SIC Code: 32
11. Facility Comment: 4. Facility Location Information Applicant requests a permit to operate at 3 sites listed below. Applicant also requests to be permitted to operate at other industrial sites within Florida after completing the public notice requirements for the new site(s) and obtaining an amendment of the facility's permit(s). a. 10501 Rocket Court, Orlando, Orange County, Florida 32803 UTM Coordinates - Zone: 17 East: 461.7 km North: 3143.13 km Latitude: 28°, 24', 56" Longitude: 81°, 23', 27" b. 4102 Main Avenue, Lakeland, Polk County, Florida 33801 UTM Coordinates - Zone: 17 East: 413.4 km North: 3098.7 Latitude: 28°, 0', 43.5" Longitude: 81°, 52', 51" c. 4101 Maritime Blvd., Tampa, Hillsborough County, Florida 33605 UTM Coordinates - Zone: 17 East: 358.5 km North: 3088.2 Latitude: 27°, 54', 47" Longitude: 82°, 26', 18"			

Facility Contact

1. Name and Title of Facility Contact:	Mr. Terry Sorrell, General Manager		
2. Facility Contact Mailing Address:			
Organization/Firm:	Complete Resources Company		
Street Address:	4102 Main Street		
City:	Lakeland	State:	Florida Zip Code: 33801
3. Facility Contact Telephone Numbers:			
Telephone:	(813) 665-2133	Fax:	(813) 665-6693

Facility Regulatory Classifications

1. Small Business Stationary Source?			
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unknown	
2. Title V Source?			
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
3. Synthetic Non-Title V Source?			
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
4. Major Source of Pollutants Other than Hazardous Air Pollutants (HAPs)?			
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
5. Synthetic Minor Source of Pollutants Other than HAPs?			
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
6. Major Source of Hazardous Air Pollutants (HAPs)?			
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Possible	
7. Synthetic Minor Source of HAPs?			
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
8. One or More Emissions Units Subject to NSPS?			
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
9. One or More Emission Units Subject to NESHAP?			
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
10. Title V Source by EPA Designation?			
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
11. Facility Regulatory Classifications Comment:			

B. FACILITY REGULATIONS

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of federal, state, and local regulations applicable to the facility as a whole. (Regulations applicable to individual emissions units within the facility are addressed in Subsection III-B of the form.)

Rule Applicability Analysis (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

62-212.300, FAC	Sources not Subject to Prevention of Significant Deterioration (PSD)
62-296.310 (2)(a), FAC	General Visible Emission Standard (20%)
62-296.310 (3), FAC	Unconfined Emissions of Particulate Matter

List of Applicable Regulations (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

N/A - This operation involves a non-TitleV Source.	

C. FACILITY POLLUTANT INFORMATION

This subsection of the Application for Air Permit form allows for the reporting of potential and estimated emissions of selected pollutants on a facility-wide basis. It must be completed for each pollutant for which the applicant proposes to establish a facility-wide emissions cap and for each pollutant for which emissions are not reported at the emissions-unit level.

Facility Pollutant Information: Pollutant 1 of 1

1. Pollutant Emitted: Particulate Matter - total
2. Estimated Emissions: 4.2 (tons/year)
3. Requested Emissions Cap: N/A (lb/hour) (tons/year)
4. Basis for Emissions Cap Code: N/A
5. Facility Pollutant Comment: Based on 4.1 TPY (see emissions unit section) from the crushing facility and 0.1 TPY from the diesel-fired electric generator (2 lbs/1000 gal x 0.0393 - 1000 gal/hr x 2912 hrs/yr x 1 ton/2000 lbs = 0.11TPY)

Facility Pollutant Information: Pollutant _____ of _____

1. Pollutant Emitted:
2. Estimated Emissions: (tons/year)
3. Requested Emissions Cap: (lb/hour) (tons/year)
4. Basis for Emissions Cap Code:
5. Facility Pollutant Comment:

Facility Pollutant Information: Pollutant _____ of _____

1. Pollutant Emitted:		
2. Estimated Emissions:		(tons/year)
3. Requested Emissions Cap:	(lb/hour)	(tons/year)
4. Basis for Emissions Cap Code:		
5. Facility Pollutant Comment:		

Facility Pollutant Information: Pollutant _____ of _____

1. Pollutant Emitted:		
2. Estimated Emissions:		(tons/year)
3. Requested Emissions Cap:	(lb/hour)	(tons/year)
4. Basis for Emissions Cap Code:		
5. Facility Pollutant Comment:		

D. FACILITY SUPPLEMENTAL INFORMATION

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

Supplemental Requirements for All Applications

1. Area Map Showing Facility Location: [XX] Attached, Document ID: <u>A</u> [] Not Applicable [] Waiver Requested
2. Facility Plot Plan: [XX] Attached, Document ID: <u>B</u> [] Not Applicable [] Waiver Requested
3. Process Flow Diagram(s): [XX] Attached, Document ID: <u>C</u> [] Not Applicable [] Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: [XX] Attached, Document ID: <u>F</u> [] Not Applicable [] Waiver Requested
5. Fugitive Emissions Identification: [] Attached, Document ID: _____ [] Not Applicable [] Waiver Requested
6. Supplemental Information for Construction Permit Application: [XX] Attached, Document ID: <u>D</u> [] Not Applicable Expired Construction Permit AC29-223724 and Permit Application

Additional Supplemental Requirements for Category I Applications Only

7. List of Insignificant Activities: [] Attached, Document ID: _____ [XX] Not Applicable
8. List of Equipment/Activities Regulated under Title VI: [] Attached, Document ID: _____ [] Equipment/Activities Onsite but Not Required to be Individually Listed [XX] Not Applicable

9. Alternative Methods of Operation:	<input type="checkbox"/> Attached, Document ID:_____	<input checked="" type="checkbox"/> Not Applicable
10. Alternative Modes of Operation (Emissions Trading):	<input type="checkbox"/> Attached, Document ID:_____	<input checked="" type="checkbox"/> Not Applicable
11. Enhanced Monitoring Plan:	<input type="checkbox"/> Attached, Document ID:_____	<input checked="" type="checkbox"/> Not Applicable
12. Risk Management Plan Verification:	<input type="checkbox"/> Plan Submitted to Implementing Agency - Verification Attached, Document ID:_____ <input type="checkbox"/> Plan to be Submitted to Implementing Agency by Required Date <input checked="" type="checkbox"/> Not Applicable	
13. Compliance Report and Plan	<input type="checkbox"/> Attached, Document ID:_____	<input checked="" type="checkbox"/> Not Applicable
14. Compliance Statement (Hard-copy Required)	<input type="checkbox"/> Attached, Document ID:_____	<input checked="" type="checkbox"/> Not Applicable

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I 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

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

Type of Emissions Unit Addressed in This Section

Check one:

- ☐ This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).
- ☐ This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.
- ☐ This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.
- ☒ This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emissions Unit Information Section 2 of 20

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section: The emissions unit addressed in this section is a Hazemag crusher and associated screen, hopper, conveyors, and stockpiles.		
2. ARMS Identification Number: 30 ORG 48 0204 01 <input type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown		
3. Emissions Unit Status Code: C	4. Acid Rain Unit? <input type="checkbox"/> Yes [XX] No	5. Emissions Unit Major Group SIC Code: 32
6. Initial Startup Date (DD-MON-YYYY): February, 1995		
7. Long-term Reserve Shutdown Date (DD-MON-YYYY): N/A		
8. Package Unit: Manufacturer: N/A Model Number:		
9. Generator Nameplate Rating: MW		
10. Incinerator Information: N/A Dwell Temperature: °F Dwell Time: seconds Incinerator Afterburner Temperature : °F		
11. Emissions Unit Comment: Particulate emissions caused by this operation are controlled by water sprayers.		

Emissions Unit Information Section 3 of 20

Emissions Unit Control Equipment

A.

1. Description: Water sprayers located throughout the operation at points where emissions may be present. Water sprays are provided for the stockpiles, front end loader area, hopper, crusher drop point, conveyor transfer point, screen and finish material stockpile.

2. Control Device or Method Code: 061 - Dust Suppression by Water Sprays

B.

1. Description:

2. Control Device or Method Code:

Emissions Unit Information Section 4 of 20

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: N/A	mmBtu/hr
2. Maximum Incineration Rate: N/A lb/hr	tons/day
3. Maximum Process or Throughput Rate: 150 tons per hour	
4. Maximum Production Rate: 150 tons per hour	
5. Operating Capacity Comment: None	

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:	
8 hours/day	7 days/week
52 weeks/year or	2,912 hours/year

B. EMISSIONS UNIT REGULATIONS

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of all federal, state, and local regulations applicable to the emissions unit addressed in this Emissions Unit Information Section.

Rule Applicability Analysis (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

62-296.310 (2)(a), FAC	General Visible Emissions Standard (20%)
62-296.310(3), FAC	Unconfined Emissions of Particulate Matter

Emissions Unit Information Section 6 of 20

List of Applicable Regulations (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

N/A - This operation involves a non-Title V source.	

C. EMISSION POINT (STACK/VENT) INFORMATION

This subsection of the Application for Air Permit form provides information about the emission point associated with the emissions unit addressed in this Emissions Unit Information Section. An emission point is typically a stack or vent but can be any identifiable location at which air pollutants, including fugitive emissions, are discharged into the atmosphere.

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: Conveyor to Stockpiles transfer points. Front End Loader Bucket, Hopper on Crusher, and Crusher Drop Point, and Screen.	
2. Emission Point Type Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: Areas of the above described emission points in the process.	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: None	
5. Discharge Type Code: <input type="checkbox"/> D <input checked="" type="checkbox"/> F <input type="checkbox"/> H <input type="checkbox"/> P <input type="checkbox"/> R <input type="checkbox"/> V <input type="checkbox"/> W	
6. Stack Height: N/A	feet
7. Exit Diameter: N/A	feet
8. Exit Temperature: Ambient	°F
9. Actual Volumetric Flow Rate: N/A	acfm

Emissions Unit Information Section 8 of 20

10. Percent Water Vapor : Saturated - Due to sprayers, otherwise ambient	%
11. Maximum Dry Standard Flow Rate: N/A	dscfm
12. Nonstack Emission Point Height: 0-20	feet
13. Emission Point UTM Coordinates: optional Zone: East (km): North (km):	
14. Emission Point Comment: Emission points are located at several different points throughout the process. See flow diagram in Attachment C.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): N/A - Information on the Caterpillar 3412 electric generator can be found in the next emission unit section	
2. Source Classification Code (SCC):	
3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
9. Million Btu per SCC Unit:	
10. Segment Comment:	

Emissions Unit Information Section 10 of 20

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): See next emissions unit section for the Caterpillar 3412 electric generator.	
2. Source Classification Code (SCC):	
3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur:	8. Maximum Percent Ash:
9. Million Btu per SCC Unit:	
10. Segment Comment:	

Emissions Unit Information Section 11 of 20

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant 1 of 1

1. Pollutant Emitted: Matter - Total		
2. Total Percent Efficiency of Control:	90%	
3. Primary Control Device Code: Water Sprayers		
4. Secondary Control Device Code: N/A		
5. Potential Emissions:	2.8 lb/hour	4.1 tons/year
6. Synthetically Limited? [] Yes [XX] No		
7. Range of Estimated Fugitive/Other Emissions: [XX] 1 [] 2 [] 3 up to 4.1 tons/year		
8. Emissions Factor: See page 27a, next page. These factors were approved by the Department under previous permit AC29-223724. Reference: AP-42		
9. Emissions Method Code: [] 1 [] 2 [] 3 [XX] 4 [] 5		
10. Calculation of Emissions: See Attached Page 27A		
11. Pollutant Potential/Estimated Emissions Comment:		

COMPLETE RESOURCES COMPANY

EMISSIONS CALCULATIONS

	Rate (TPH)	AP-42 Emission Factor (lb/ton)	Water Spray (Eff. %)	Emissions (lbs/hr)	Tons/yr**
Hopper (Ft. end Loader)	150	0.06	90	0.09	0.1310
Crusher (Wet Material)	150	0.018	NA*	2.7	3.93
Conveyor Drop Pt.	150	0.0003	90	0.0005	0.0007
Screening (Wet Material)	150	0.0003	90	0.0005	0.0007
Screening Drop Pt.	150	0.0003	90	0.0005	0.0007
Conveyor Drop To Pile	150	0.0003	90	0.0005	0.0007
Total				2.79	4.06

* Efficiency already factored in for wet materials

** Assume 2912 hrs/yr (8 hrs/day, 7 days/week, 52 weeks/yr).

Emissions Unit Information Section 12 of 20

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: N/A
2. Future Effective Date of Allowable Emissions: N/A
3. Requested Allowable Emissions and Units: N/A
4. Equivalent Allowable Emissions: N/A lb/hour tons/year
5. Method of Compliance: N/A
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): N/A

B.

1. Basis for Allowable Emissions Code: N/A
2. Future Effective Date of Allowable Emissions: N/A
3. Requested Allowable Emissions and Units: N/A
4. Equivalent Allowable Emissions: N/A lb/hr tons/year
5. Method of Compliance: N/A
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): N/A

F. VISIBLE EMISSIONS INFORMATION

This subsection of the Application for Air Permit form must be completed for only those emissions units which are subject to a visible emissions limitation. The intent of this subsection of the form is to identify each activity associated with the emissions unit addressed in this section for which a separate opacity limitation would be applicable. Visible emission subtype codes for each such activity are listed in the instructions for Field 1. Most emissions units will be subject to a "subtype VE" limit only.

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VEF
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: Visible emissions test using EPA Method 9 within 30 days after start up of facility.
5. Visible Emissions Comment: Basis for Allowable Opacity - 62-296.310 (2)(a), FAC

Emissions Unit Information Section 14 of 20

Visible Emissions Limitation: Visible Emissions Limitation _____ of _____

1. Visible Emissions Subtype: N/A
2. Basis for Allowable Opacity: N/A <input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity: N/A Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour
4. Method of Compliance: N/A
5. Visible Emissions Comment: N/A

Visible Emissions Limitation: ~~Visible Emissions Limitation~~ _____ of _____

1. Visible Emissions Subtype: N/A
2. Basis for Allowable Opacity: N/A <input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity: N/A Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour
4. Method of Compliance: N/A
5. Visible Emissions Comment: N/A

G. CONTINUOUS MONITOR INFORMATION

This subsection of the Application for Air Permit form must be completed for only those emissions units which are required by rule or permit to install and operate one or more continuous emission, opacity, flow, or other type monitors. A separate set of continuous monitor information (Fields 1-6) must be completed for each monitoring system required.

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code: N/A
2. CMS Requirement: N/A <input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Monitor Information: N/A Manufacturer: Model Number: Serial Number:
4. Installation Date (DD-MON-YYYY): N/A
5. Performance Specification Test Date (DD-MON-YYYY): N/A
6. Continuous Monitor Comment: N/A

Emissions Unit Information Section 16 of 20

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code: N/A
2. CMS Requirement: N/A <input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Monitor Information: N/A Manufacturer: Model Number: Serial Number:
4. Installation Date (DD-MON-YYYY): N/A
5. Performance Specification Test Date (DD-MON-YYYY): N/A
6. Continuous Monitor Comment: N/A

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code: N/A
2. CMS Requirement: N/A <input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Monitor Information: N/A Manufacturer: Model Number: Serial Number:
4. Installation Date (DD-MON-YYYY): N/A
5. Performance Specification Test Date (DD-MON-YYYY): N/A
6. Continuous Monitor Comment: N/A

H. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION

This subsection of the Application for Air Permit form must be completed for all applications, not just those undergoing prevention-of-significant-deterioration (PSD) review pursuant to Rule 62-212.400, F.A.C. The intent of this subsection is to make a preliminary determination as to whether the emissions unit addressed in this Emissions Unit Information Section consumes PSD increment. PSD increment is consumed (or expanded) as a result of emission increases (decreases) occurring after pollutant-specific baseline dates. Pollutants for which baseline dates have been established are sulfur dioxide, particulate matter, and nitrogen dioxide.

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

- ☐ The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.
- ☐ The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.
- ☐ The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
- ☒ For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
- ☐ None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

Emissions Unit Information Section 18 of 20

2. Increment Consuming for Nitrogen Dioxide?

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

- ☐ The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.
- ☐ The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
- ☐ The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
- ☒ For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.
- ☐ None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:					
PM	<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown		
SO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown		
NO2	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown		
4. Baseline Emissions:					
PM	2.8	lb/hour	4.1	tons/year	
SO2		lb/hour		tons/year	
NO2				tons/year	
5. PSD Comment:					

I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

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

Supplemental Requirements for All Applications

1. Process Flow Diagram [XX] Attached, Document ID: <u>C</u> [] Not Applicable [] Waiver Requested
2. Fuel Analysis or Specification [] Attached, Document ID: _____ [X] Not Applicable [] Waiver Requested
3. Detailed Description of Control Equipment [XX] Attached, Document ID: <u>E</u> [] Not Applicable [] Waiver Requested
4. Description of Stack Sampling Facilities [] Attached, Document ID: _____ [X] Not Applicable [] Waiver Requested
5. Compliance Test Report [] Attached, Document ID: _____ [] Previously submitted, Date: _____ [XX] Not Applicable
6. Procedures for Startup and Shutdown [] Attached, Document ID: _____ [XX] Not Applicable
7. Operation and Maintenance Plan [] Attached, Document ID: _____ [XX] Not Applicable
8. Supplemental Information for Construction Permit Application [XX] Attached, Document ID: <u>D</u> [] Not Applicable Expired construction permit AC48-223724 and associated application.
9. Other Information Required by Rule or Statute [] Attached, Document ID: _____ [XX] Not Applicable

Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
12. Enhanced Monitoring Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
14. Acid Rain Application (Hard-copy Required) <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I 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

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

Type of Emissions Unit Addressed in This Section

Check one:

- ☒ [XX] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).
- ☐ [] This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.
- ☐ [] This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.
- ☐ [] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emissions Unit Information Section 2 of 22

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section: Emissions unit is a 725 HP Caterpillar 3412 Electric Generator fueled with diesel.		
2. ARMS Identification Number: 30 ORG 48 0204 02 <input type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown		
3. Emissions Unit Status Code: C	4. Acid Rain Unit? <input type="checkbox"/> Yes [XX] No	5. Emissions Unit Major Group SIC Code: 32
6. Initial Startup Date (DD-MON-YYYY): February, 1995		
7. Long-term Reserve Shutdown Date (DD-MON-YYYY): N/A		
8. Package Unit: Manufacturer: Caterpillar Model Number: 3412		
9. Generator Nameplate Rating: 725 HP MW		
10. Incinerator Information: N/A Dwell Temperature: °F Dwell Time: seconds Incinerator Afterburner Temperature : °F		
11. Emissions Unit Comment:		

Emissions Unit Information Section 3 of 22

Emissions Unit Control Equipment

A.

1. Description: None
2. Control Device or Method Code: Efficient combustion of fuel.

B.

1. Description: N/A
2. Control Device or Method Code:

C.

1. Description: N/A
2. Control Device or Method Code:

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate:	mmBtu/hr
2. Maximum Incineration Rate: N/A lb/hr N/A	tons/day
3. Maximum Process or Throughput Rate: N/A	
4. Maximum Production Rate: N/A	
5. Operating Capacity Comment:	

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:	
8 hours/day	7 days/week
52 weeks/year	or 2,912 hours/year

Emissions Unit Information Section 6 of 22

List of Applicable Regulations (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

N/A - This is a non-Title V source.	

C. EMISSION POINT (STACK/VENT) INFORMATION

This subsection of the Application for Air Permit form provides information about the emission point associated with the emissions unit addressed in this Emissions Unit Information Section. An emission point is typically a stack or vent but can be any identifiable location at which air pollutants, including fugitive emissions, are discharged into the atmosphere.

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: Caterpillar 3412 Diesel Generator Stack - See Flow Diagram, Attachment C	
2. Emission Point Type Code: [XX] 1 [] 2 [] 3 []	
3. Descriptions of Emissions Points Comprising this Emissions Unit: Diesel Generator Stack	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/A	
5. Discharge Type Code: [] D [] F [] H [] P [] R [X] V [] W	
6. Stack Height:	13.3 feet
7. Exit Diameter:	0.67 feet
8. Exit Temperature:	855 °F
9. Actual Volumetric Flow Rate:	4997 acfm

Emissions Unit Information Section 8 of 22

10. Percent Water Vapor :		%
N/A. Not subject to a grain loading standard per form instructions.		
11. Maximum Dry Standard Flow Rate:		1964 dscfm
12. Nonstack Emission Point Height:		N/A feet
13. Emission Point UTM Coordinates: Optional		
Zone:	East (km):	North (km):
14. Emission Point Comment:		

D. SEGMENT (PROCESS/FUEL) INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

Segment Description and Rate: Segment 1 of 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Caterpillar #3412 Electric Generator fueled with diesel fuel.	
2. Source Classification Code (SCC): 2-02-001-02	
3. SCC Units: 1000 gallons burned	
4. Maximum Hourly Rate: 0.0393 - 1000 gal per hour	5. Maximum Annual Rate: 114.4 - 1000 gal/yr
6. Estimated Annual Activity Factor: N/A	
7. Maximum Percent Sulfur: 0.5% by weight	8. Maximum Percent Ash: negligible
9. Million Btu per SCC Unit: 140,000,000 BTU/1000 gal	
10. Segment Comment:	

Emissions Unit Information Section 10 of 22

Segment Description and Rate: Segment 2 of 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): N/A	
2. Source Classification Code (SCC): N/A	
3. SCC Units: N/A	
4. Maximum Hourly Rate: N/A	5. Maximum Annual Rate: N/A
6. Estimated Annual Activity Factor: N/A	
7. Maximum Percent Sulfur: N/A	8. Maximum Percent Ash: N/A
9. Million Btu per SCC Unit: N/A	
10. Segment Comment: N/A	

Emissions Unit Information Section 11 of 22**E. POLLUTANT INFORMATION**

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant 1 of 2

1. Pollutant Emitted: SO ₂		
2. Total Percent Efficiency of Control: N/A		%
3. Primary Control Device Code: N/A		
4. Secondary Control Device Code: N/A		
5. Potential Emissions:	2.79 lb/hour	4.1 tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <u>N/A</u> to _____ tons/year		
8. Emission Factor: 142(S), S = % S by weight Reference: AP-42, Table 1.3-2, July, 1993		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 4 <input type="checkbox"/> 5		
10. Calculation of Emissions: $142(0.5) \frac{\text{lbs SO}_2}{1000 \text{ gal}} \times 0.0393 - \frac{1000 \text{ gal}}{\text{hr}} = 2.79 \text{ lbs/hr}$ $2.79 \frac{\text{lbs}}{\text{hr}} \times 2912 \frac{\text{hrs}}{\text{yr}} \times \frac{1 \text{ ton}}{2,000 \text{ lbs}} = 4.1 \text{ TPY}$		
11. Pollutant Potential/Estimated Emissions Comment:		

Emissions Unit Information Section 12 of 22

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: N/A
2. Future Effective Date of Allowable Emissions: N/A
3. Requested Allowable Emissions and Units: N/A
4. Equivalent Allowable Emissions: N/A lb/hour tons/year
5. Method of Compliance: N/A
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): N/A

B.

1. Basis for Allowable Emissions Code: N/A
2. Future Effective Date of Allowable Emissions: N/A
3. Requested Allowable Emissions and Units: N/A
4. Equivalent Allowable Emissions: N/A lb/hr tons/year
5. Method of Compliance: N/A
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): N/A

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant 2 of 2

1. Pollutant Emitted: NO _x		
2. Total Percent Efficiency of Control: N/A		%
3. Primary Control Device Code: N/A		
4. Secondary Control Device Code: N/A		
5. Potential Emissions:	0.79 lb/hour	1.15 tons/year
6. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <u>N/A</u> to _____ tons/year		
8. Emission Factor: 20 lbs NO _x / 1000 - gal Reference: Table 1.3-2, AP-42, July, 1993		
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 4 <input type="checkbox"/> 5		
10. Calculation of Emissions: $20 \frac{\text{lbs NO}_x}{1000 \text{ gal}} \times 0.0393 - \frac{1000 \text{ gal}}{\text{hr}} = 0.79 \text{ lbs/hr}$ $0.79 \frac{\text{lbs}}{\text{hr}} \times 2912 \frac{\text{hrs}}{\text{yr}} \times \frac{1 \text{ ton}}{2000 \text{ lbs}} = 1.15 \text{ TPY}$		
11. Pollutant Potential/Estimated Emissions Comment:		

Emissions Unit Information Section 14 of 22

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: N/A
2. Future Effective Date of Allowable Emissions: N/A
3. Requested Allowable Emissions and Units: N/A
4. Equivalent Allowable Emissions: N/A lb/hour tons/year
5. Method of Compliance: N/A
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): N/A

B.

1. Basis for Allowable Emissions Code: N/A
2. Future Effective Date of Allowable Emissions: N/A
3. Requested Allowable Emissions and Units: N/A
4. Equivalent Allowable Emissions: N/A lb/hr tons/year
5. Method of Compliance: N/A
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): N/A

F. VISIBLE EMISSIONS INFORMATION

This subsection of the Application for Air Permit form must be completed for only those emissions units which are subject to a visible emissions limitation. The intent of this subsection of the form is to identify each activity associated with the emissions unit addressed in this section for which a separate opacity limitation would be applicable. Visible emission subtype codes for each such activity are listed in the instructions for Field 1. Most emissions units will be subject to a "subtype VE" limit only.

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE	
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: EPA Method 9 Testing under normal conditions.	
5. Visible Emissions Comment:	

Emissions Unit Information Section 16 of 22

Visible Emissions Limitation: Visible Emissions Limitation _____ of _____

1. Visible Emissions Subtype: N/A
2. Basis for Allowable Opacity: N/A <input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity: N/A Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour
4. Method of Compliance: N/A
5. Visible Emissions Comment: N/A

Visible Emissions Limitation: Visible Emissions Limitation _____ of _____

1. Visible Emissions Subtype: N/A
2. Basis for Allowable Opacity: N/A <input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Requested Allowable Opacity: N/A Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour
4. Method of Compliance: N/A
5. Visible Emissions Comment: N/A

G. CONTINUOUS MONITOR INFORMATION

This subsection of the Application for Air Permit form must be completed for only those emissions units which are required by rule or permit to install and operate one or more continuous emission, opacity, flow, or other type monitors. A separate set of continuous monitor information (Fields 1-6) must be completed for each monitoring system required.

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code: N/A	
2. CMS Requirement: N/A	[] Rule [] Other
3. Monitor Information: N/A Manufacturer: Model Number: Serial Number:	
4. Installation Date (DD-MON-YYYY): N/A	
5. Performance Specification Test Date (DD-MON-YYYY): N/A	
6. Continuous Monitor Comment: N/A	

Emissions Unit Information Section 18 of 22

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code: N/A
2. CMS Requirement: N/A <input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Monitor Information: N/A Manufacturer: Model Number: Serial Number:
4. Installation Date (DD-MON-YYYY): N/A
5. Performance Specification Test Date (DD-MON-YYYY): N/A
6. Continuous Monitor Comment: N/A

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code: N/A
2. CMS Requirement: N/A <input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Monitor Information: N/A Manufacturer: Model Number: Serial Number:
4. Installation Date (DD-MON-YYYY): N/A
5. Performance Specification Test Date (DD-MON-YYYY): N/A
6. Continuous Monitor Comment: N/A

H. PREVENTION OF SIGNIFICANT DETERIORATION (PSD) INCREMENT TRACKING INFORMATION

This subsection of the Application for Air Permit form must be completed for all applications, not just those undergoing prevention-of-significant-deterioration (PSD) review pursuant to Rule 62-212.400, F.A.C. The intent of this subsection is to make a preliminary determination as to whether the emissions unit addressed in this Emissions Unit Information Section consumes PSD increment. PSD increment is consumed (or expanded) as a result of emission increases (decreases) occurring after pollutant-specific baseline dates. Pollutants for which baseline dates have been established are sulfur dioxide, particulate matter, and nitrogen dioxide.

PSD Increment Consumption Determination

1. Increment Consuming for Particulate Matter or Sulfur Dioxide?

If the emissions unit addressed in this section emits particulate matter or sulfur dioxide, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for particulate matter or sulfur dioxide. Check the first statement, if any, that applies and skip remaining statements.

- ☐ The emissions unit is undergoing PSD review as part of this application, or has undergone PSD review previously, for particulate matter or sulfur dioxide. If so, emissions unit consumes increment.
- ☐ The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after January 6, 1975. If so, baseline emissions are zero, and emissions unit consumes increment.
- ☐ The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after January 6, 1975, but before December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
- ☐ [xx] For any facility, the emissions unit began (or will begin) initial operation after December 27, 1977. If so, baseline emissions are zero, and emissions unit consumes increment.
- ☐ None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

Emissions Unit Information Section 20 of 22

2. Increment Consuming for Nitrogen Dioxide?

If the emissions unit addressed in this section emits nitrogen oxides, answer the following series of questions to make a preliminary determination as to whether or not the emissions unit consumes PSD increment for nitrogen dioxide. Check first statement, if any, that applies and skip remaining statements.

☐ The emissions unit addressed in this section is undergoing PSD review as part of this application, or has undergone PSD review previously, for nitrogen dioxide. If so, emissions unit consumes increment.

☐ The facility addressed in this application is classified as an EPA major source pursuant to paragraph (c) of the definition of "major source of air pollution" in Chapter 62-213, F.A.C., and the emissions unit addressed in this section commenced (or will commence) construction after February 8, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

☐ The facility addressed in this application is classified as an EPA major source, and the emissions unit began initial operation after February 8, 1988, but before March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

☒ For any facility, the emissions unit began (or will begin) initial operation after March 28, 1988. If so, baseline emissions are zero, and emissions unit consumes increment.

☐ None of the above apply. If so, the baseline emissions of the emissions unit are nonzero. In such case, additional analysis, beyond the scope of this application, is needed to determine whether changes in emissions have occurred (or will occur) after the baseline date that may consume or expand increment.

3. Increment Consuming/Expanding Code:			
PM	<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
SO2	<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
NO2	<input checked="" type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> Unknown
4. Baseline Emissions:			
PM	0 lb/hour	0 tons/year	
SO2	2.79 lb/hour	4.10 tons/year	
NO2	0.79 lb/hour	1.15 tons/year	
5. PSD Comment:			

I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

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

Supplemental Requirements for All Applications

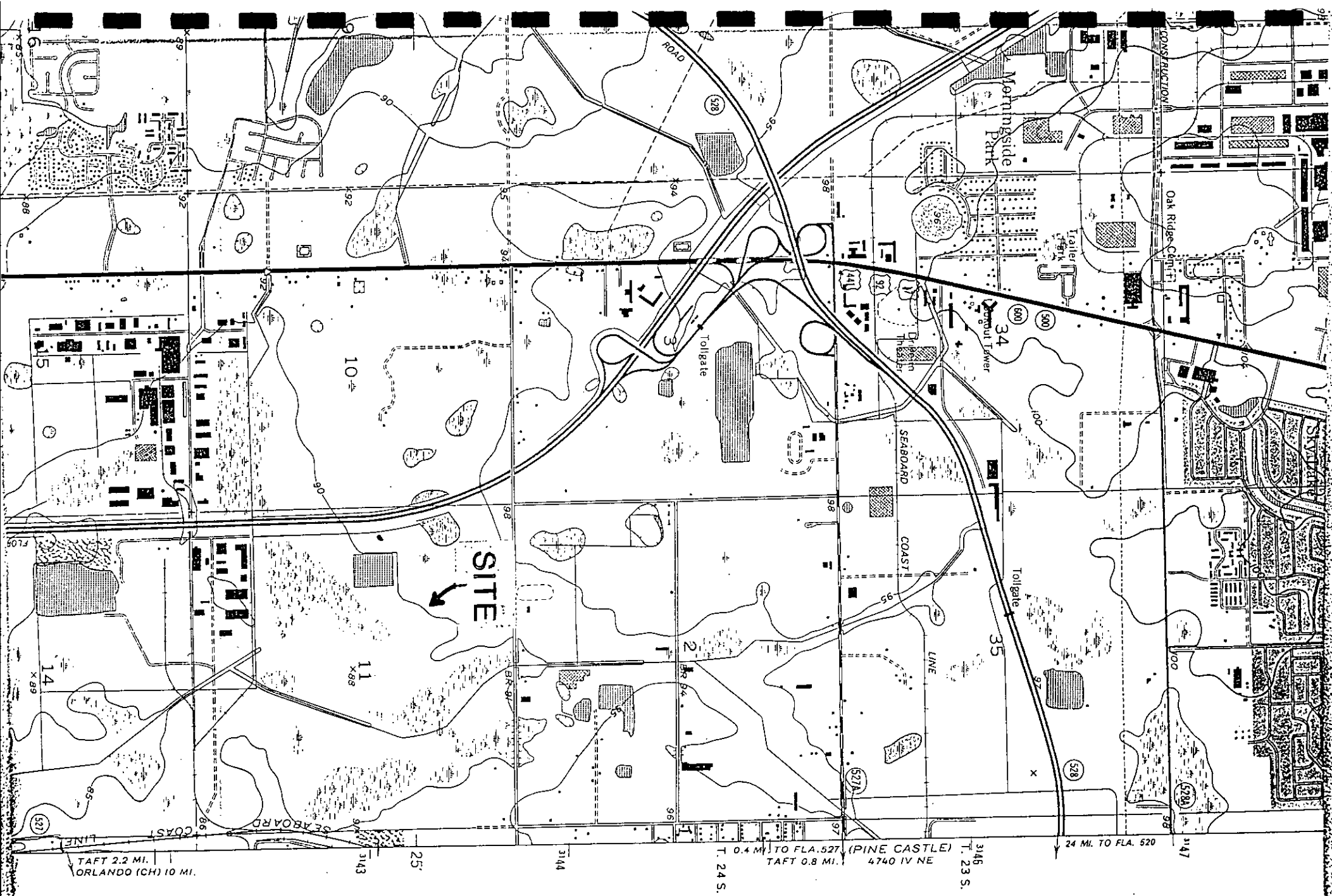
1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: <u>Attachment C</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested Virgin diesel fuel with a sulfur content not to exceed 0.5% by weight.
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
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
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 type="checkbox"/> Not Applicable

Additional Supplemental Requirements for Category I Applications Only

10. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID:_____ <input checked="" type="checkbox"/> Not Applicable
11. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID:_____ <input checked="" type="checkbox"/> Not Applicable
12. Enhanced Monitoring Plan <input type="checkbox"/> Attached, Document ID:_____ <input checked="" type="checkbox"/> Not Applicable
13. Identification of Additional Applicable Requirements <input type="checkbox"/> Attached, Document ID:_____ <input checked="" type="checkbox"/> Not Applicable
14. Acid Rain Application (Hard-copy Required) <input type="checkbox"/> Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID:_____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID:_____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID:_____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID:_____ <input checked="" type="checkbox"/> Not Applicable

Attachment A

Area Maps



Orlando, Florida

Attachment B

Typical Facility Layout

ELECTRIC GENERATOR
DIESEL FIRED

CRUSHING PLANT

FUEL TANK

TRAILER

FEED CONVEYOR

STACKER

STOCKPILE

STACKER

STOCKPILE

DRAWING FILE # : WCL.DWG
LAST UPDATED : 02/17/85
LAST PLOTTED : 02/17/85
PLOT SCALE : 1-1



ENVIRONMENTAL ENGINEERING CONSULTANTS, INC.
CONSULTING ENGINEERS AND ENVIRONMENTAL SCIENTISTS
5110 NORTH FLORIDA AVENUE - P.O. BOX 7854 - TAMPA, FLORIDA 33673

SITE LAYOUT

**COMPLETE RESOURCES OF
FLORIDA COMPANY**

LAKELAND, FLORIDA

DATE:

FEB 1985

JOB NUMBER:

SCALE:

NONE

SHEET:

FI

DESIGNED : V.S.

DRAWN : R.B.

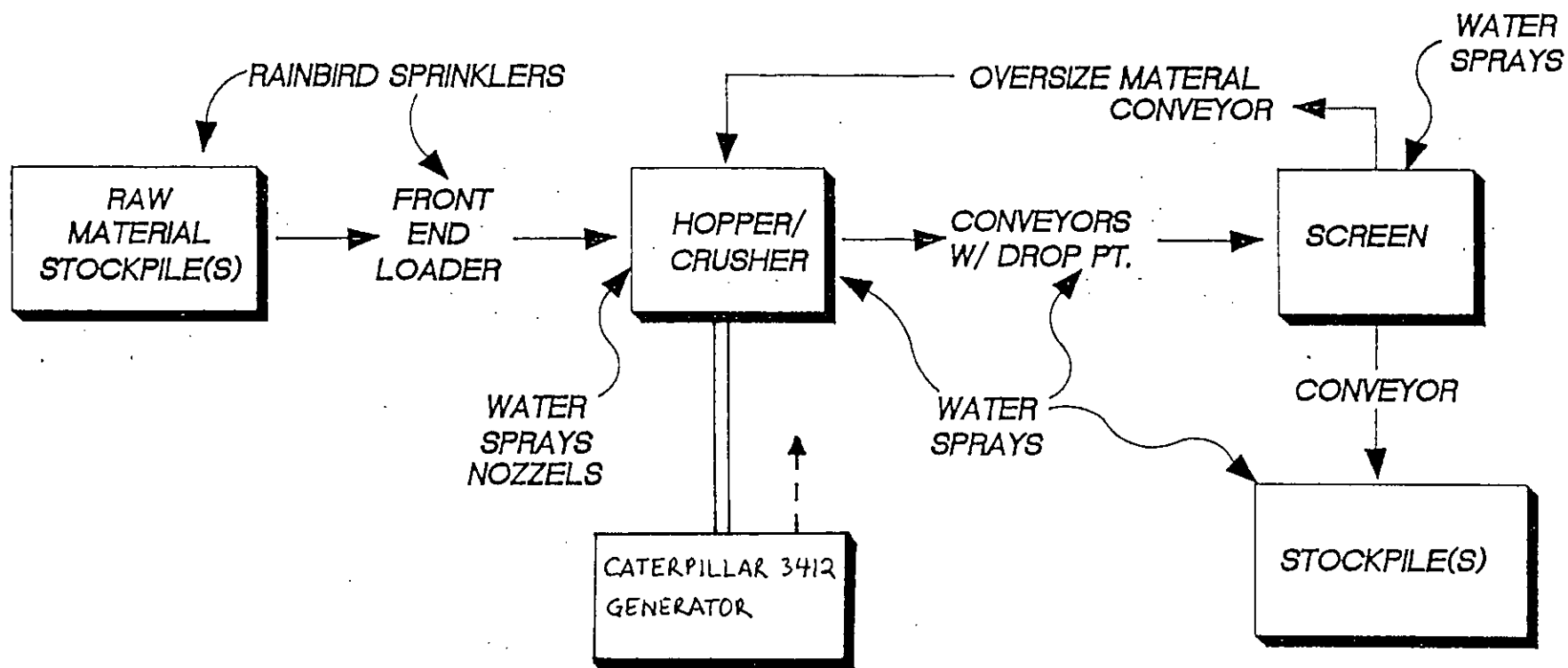
CHECKED : V.S.

Attachment C

Process Flow Diagram

FLOW DIAGRAM

COMPLETE RESOURCES COMPANY



Attachment D

**Expired Construction Permit and
Associated Permit Application**

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
NOTICE OF PERMIT

In the matter of an
Application for Permit by:

DER File No. AC29-223724
Mobile Operation


Mr. Dave Vasu, Vice President
Complete Resources Company
702 Old Darby Street
Seffner, Florida 33584

Enclosed is Permit Number AC29-223724 to construct a 150 TPH portable concrete crusher plant, issued pursuant to Section(s) 403, Florida Statutes. The unit is authorized to operate in Polk and Hillsborough Counties. It may operate in other counties within Florida after completing the public notice requirements for the new location and after having this permit amended.

Any party to this Order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this Notice is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


C. H. Fancy, P.E., Chief
Bureau of Air Regulation
2600 Blair Stone Road
Tallahassee, FL 32399-2400
904-488-1344

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of business on 5-3-93 to the listed persons.

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED,
on this date, pursuant to
§120.52(11), Florida Statutes,
with the designated Department
Clerk, receipt of which is hereby
acknowledged.


(Clerk)

5-3-93
(Date)

Copies furnished to:

B. Thomas, SWD
J. Campbell, EPCHC
R. Wallace III, P.E.

RECEIVED

MAY 10 1993

Bureau of Air Monitoring
& Mobile Sources

Final Determination

Complete Resources Company
Hillsborough County
Seffner, Florida

150 TPH Portable Concrete Crusher Plant
Permit No. AC29-223724

Department of Environmental Regulation
Division of Air Resources Management
Bureau of Air Regulation

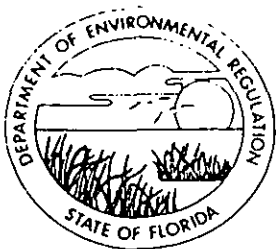
April 28, 1993

Final Determination

The Technical Evaluation and Preliminary Determination for the permit to construct a 150 TPH portable concrete crusher plant for Complete Resources Company of 702 Old Darby Street, Seffner, Hillsborough County, Florida, was distributed on April 2, 1993. The Notice of Intent to Issue was published in the Tampa Tribune on April 5, 1993. The notice stated that the unit will operate at locations in Polk and Hillsborough Counties. The public notice requirements will have to be satisfied and the permit amended prior to allowing Complete Resources Company to operate this plant in other counties. Copies of the evaluation were available for public inspection at the Department's offices in Tallahassee and Tampa and at the Environmental Protection Commission office in Tampa.

The Environmental Protection Commission of Hillsborough County commented that the permitting requirements of counties having approved environmental programs would have to be met prior to this plant operating in the counties. This can include a requirement to obtain a permit from the county. The Department agrees with this comment and has added this requirement to Specific Condition No. 7f.

No other comments were submitted on the Department's Intent to Issue the permit. The final action of the Department will be to issue construction permit AC29-223724 as proposed in the Technical Evaluation and Preliminary Determination except for the change noted above.



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Virginia B. Wetherell, Secretary

PERMITTEE:

Complete Resources Company
702 Old Darby Street
Seffner, Florida 33584

Permit Number: AC29-223724
Expiration Date: March 1, 1994
County: Mobile Operations
Project: 150 TPH Portable
Concrete Crusher Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 17-210, 212, 272, 275, 296, and 297; and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawings, plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

Authorization to construct a portable 150 TPH concrete crusher facility consisting of a 150 TPH Hazemag crusher, Tyler screen, associated conveyors, two Caterpillar diesel engines (263 and 400 hp), front end loader, and associated equipment with fugitive particulate matter emission controlled by water spray systems.

The facility is permitted to operate at 4102 Maine Avenue, Lakeland, Florida 33801. The UTM coordinates of this facility are Zone 17, 413.4 km E and 3098.7 km N. Also, at 4101 Maritime Boulevard, Tampa, Florida with UTM coordinates of Zone 17, 358.5 km E and 3088.2 km N.

It may operate at other industrial sites within Florida after completing the public notice requirements for the new site(s) and obtaining an amendment for the facility's permit(s)

The source shall be constructed in accordance with the permit application, plans, documents, amendments and drawings, except as otherwise noted in the General and Specific Conditions.

Attachments are listed below:

1. Application received December 23, 1992.
2. Environmental Engineering Consultants, Inc. letter dated February 1, 1993.

PERMITTEE:
Complete Resources Co.

Permit Number: AC29-223724

Expiration Date: March 1, 1994

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

PERMITTEE:
Complete Resources Co.

Permit Number: AC29-223724

Expiration Date: March 1, 1994

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:

a. Have access to and copy any records that must be kept under the conditions of the permit;

b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and

c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

a. a description of and cause of non-compliance; and

b. the period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance,

PERMITTEE:
Complete Resources Co.

Permit Number: AC29-223724

Expiration Date: March 1, 1994

GENERAL CONDITIONS:

provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. The permittee shall comply with the following:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- c. Records of monitoring information shall include:
 - the date, exact place, and time of sampling or measurements;
 - the person responsible for performing the sampling or measurements;
 - the dates analyses were performed;
 - the person responsible for performing the analyses;

PERMITTEE:
Complete Resources Co.

Permit Number: AC29-223724

Expiration Date: March 1, 1994

GENERAL CONDITIONS:

- the analytical techniques or methods used; and
- the results of such analyses.

14. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

SPECIFIC CONDITIONS:

1. The construction and operation of this facility shall reasonably conform to the plan and schedule submitted in the application.

2. The plant may operate up to 2912 hrs/yr. The permittee shall maintain a log showing the location, dates, hours of operation, water spray flow, and production of this plant. This facility shall not operate at a process feed rate of 150 TPH or greater. The permittee shall provide a means of monitoring the feed rate to endure compliance with this requirement.

3. Visible emissions from the concrete crushing plant shall not exceed 5% opacity.

4. Visible emissions from the diesel engines shall not exceed 20% opacity.

5. Compliance with Specific Conditions Nos. 3 and 4 shall be demonstrated using EPA Reference Method 9. Pursuant to 40 CFR 60.11, initial visible emissions tests shall be conducted for a minimum total time of three hours (30 six-minute averages). Such tests shall be conducted within 45 days of completion of construction and initial operation at this site. Visible emission test shall be conducted annually thereafter, provided the plant operates at this site for a year. Each time this plant moves to any of the other approved sites, a visible emissions test shall be conducted within 15 days of any such move and annually thereafter, provided the plant operates at this site for a year. The water spray flow rate, at which compliance with the 5% visible emission standard is demonstrated, shall be incorporated in the operation permit.

6. The applicant shall provide a written notification at least 15 days prior to any compliance testing to the appropriate agency (Department District office and county air pollution control agency), in accordance with F.A.C. Rule 17-297.340(1)(i).

PERMITTEE:
Complete Resources Co.

Permit Number: AC29-223724

Expiration Date: March 1, 1994

SPECIFIC CONDITIONS:

7: This plant shall be allowed to operate throughout the State of Florida (all counties) provided:

- (a) The duration of emissions of this facility at the new location would not exceed two years.
- (b) The applicant must obtain a "Notice of Intent to Issue" for each new location, if it is other than the two approved sites, from the Department's Bureau of Air Regulation for publication in the legal ad section of a newspaper of general circulation in the area affected, in accordance with F.A.C. Rule 17-210.350. The applicant shall provide a certified copy of proof of publication to the applicable District and Local Program and to the Department's Bureau of Air Regulation within seven days of publication.
- (c) After the 14 day comment period has expired and if an administrative hearing has not been requested, the applicant shall obtain an amendment to the permit identifying the new location and the duration of operation prior to beginning operation at the new location.
- (d) Only one public notice is required for operating at a specific location. The permittee must give at least 30 days notice to the appropriate local program, district, and the Bureau of Air Regulation in Tallahassee and obtain written approval prior to relocating the plant to any other location pursuant to Rule 17-210.900 (3), F.A.C.. The permittee shall identify the new location and duration of operation in the notice.
- (e) This plant is to be operated in a location or in a manner that may not create nuisance.
- (f) Issuance of this permit does not relieve the permittee from complying with applicable emission limiting standards or other requirements of Chapter 17-296 and 17-297, F.A.C., or any other requirements under federal, state or local regulations.

8. No objectionable odor is allowed, therefore, this plant shall operate subject to F.A.C. Rule 17-296.320(2).

9. The Department will require visible emissions tests at the capture system, conveying system, or the enclosed truck loading stations, as contained in F.A.C. Rule 17-297.340(2), when deemed necessary.

PERMITTEE:
Complete Resources Co.

Permit Number: AC29-223724

Expiration Date: March 1, 1994

SPECIFIC CONDITIONS:

10. Pursuant to F.A.C. Rule 17-296.310(3), the unconfined emissions of particulate matter shall comply with the following:

- (a) Keep unpaved roads, parking areas and yards moist at all times by applying water/dust suppressant as necessary.
- (b) Remove particulate matter from paved roads and maintain as necessary.
- (c) Maintain emission points as enclosed as possible and vent through an appropriate air pollution control device, if necessary, to meet the applicable emission standards.
- (d) Maintain material drop points as low as possible, primarily during windy conditions. Stop operation if necessary.
- (e) Maintain vehicular speed at a maximum of 10 mph. Post signs, where applicable.
- (f) Plant vegetation or landscape on nontrafficked areas, where applicable.


11. Minimize emissions at all times in a manner consistent with good air pollution control practice as referenced in 40 CFR 60.11(d), including periods of startup, shut down, and malfunction.

12. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Bureau of Air Regulation prior to 60 days before the expiration of the permit (F.A.C. Rule 17-4.090).

13. An application for an operation permit must be submitted to the Bureau of Air Regulation office at least 90 days prior to the expiration date of this construction permit. To properly apply for an operation permit, the applicant shall submit the appropriate application form, fee, certification that construction was completed noting any deviations from the conditions in the construction permit, and compliance test reports as required by this permit (F.A.C. Rules 17-4.055 and 17-4.220).

Issued this 3rd day
of May, 1993

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


Howard L. Rhodes, Director
Division of Air Resources
Management

Attachments Available Upon Request

February 1, 1993



ENVIRONMENTAL
ENGINEERING
CONSULTANTS, INC.

Mr. John C. Brown, Jr., P.E.
Administrator
Air Permitting and Standards
Florida Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Re: File No. AC29-223724 Complete Resources Company

Dear Mr. Brown:

On behalf of our client, Complete Resources Company, we are providing the information requested in FDER's letter of January 7, 1993. The following response is keyed to the department's letter.

1. In the original application, one site in Hillsborough County was identified. Our client has informed us that one more site is currently been selected and is as follows:

4102 Maine Avenue
Lakeland, Florida 33801
Lat: 28°, 0', 43.5", Long: 81°, 52', 51"
UTM: 17-413.4 E, 3098.7 N

A map showing the site location is attached.

According to Complete Resources, further sites will be located in industrial areas or at roadway repair projects where concrete crushing is required. The grinding at these later type sites would normally take one to two months. Complete Resources, therefore, does not think the siting of these and future sites will cause a public nuisance.

2. There are two diesel engines associated with the equipment identified as follows:

Catepillar 3406

Catepillar 3208

Data on the emissions of each unit are also provided. Both engines are to be fired on diesel fuel containing no more than 0.5% sulfur.

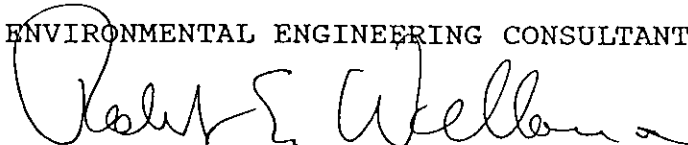
Mr. John C. Brown, Jr., P.E.
February 1, 1993
Page 2

3. The feed rate to this minor facility can be approximated by determining the number of times the front end loader fills the hopper. Assuming a 5 yard bucket is used and the material in the bucket weighs approximately 5 tons. The maximum number of times the hopper could be loaded by the front end loader is 30 times in order not to exceed the 150 TPH. There may be some variability in the bucket weight based on the size of the chunks of concrete and the characteristics of material received, however, based on the applicant's experience, this value is a valid approximation.
4. The facility permitted under AC48-217048 has not been constructed yet. According to Complete Resources, construction should begin in three (3) months. After construction is complete, the necessary testing will be accomplished.

Should you or your staff have any additional questions, please call Jim Estler at (813) 238-3311.

Sincerely,

ENVIRONMENTAL ENGINEERING CONSULTANTS, INC.

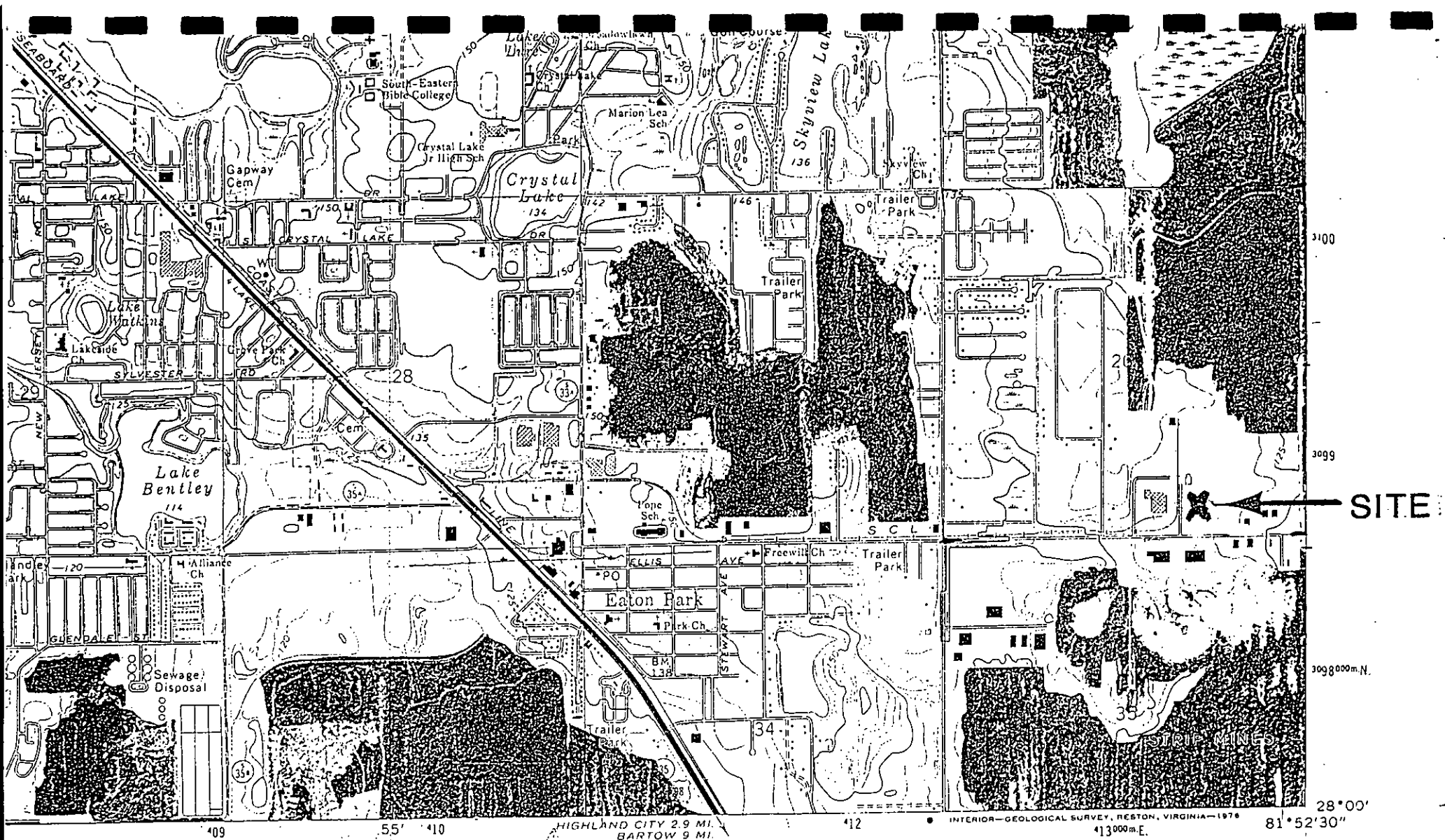


Robert E. Wallace III, P.E.
President

REW/je/lrp/dege

Enclosures

cc: Dave Vasu, Complete Resources



ROAD CLASSIFICATION

Primary highway, _____ Light-duty road, hard or
hard surface. _____ improved surface. _____

Secondary highway, _____ Unimproved road. _____
hard surface. _____

○ Interstate Route ○ U. S. Route ○ State Route

1 MILE

0 5000 6000 7000 FEET

1 KILOMETRE

FEET

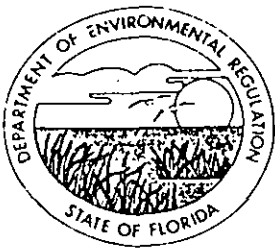
DATUM OF 1929



QUADRANGLE LOCATION

LAKELAND, FLA.

N2800—W8152.5/7.5



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Carol M. Browner, Secretary

January 7, 1992

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Dave Vasu, Vice President
Complete Resources Company
702 Old Darby Street
Seffner, Florida 33584

RECEIVED
JAN 13 1993

ENVIRONMENTAL ENGINEERING
CONSULTANTS, INC.

Dear Mr. Vasu:

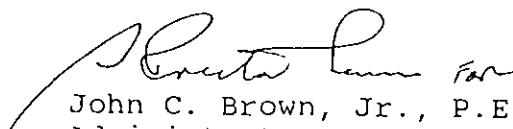
Re: File No. AC29-223724, Complete Resource Company

The Department has made a preliminary review of your December 22, 1992, application for permit to construct a portable concrete crusher for operation throughout the state. Please provide the following information to complete this application.

1. What specific locations in each county will the facility be operated? If unknown, what criteria will be used in selecting the sites to assure the operation of the facility will not cause a public nuisance?
2. What is the source of power for this facility? If a fossil fuel engine is used, please give its maximum fuel consumption and emissions.
3. How is the concrete feed rate to the facility determined?
4. Please provide a copy of the compliance test data for this facility required by permit No. AC48-217048 (if available).

The Department will resume processing your application after receipt of the requested information. Please write to me or call Willard Hanks at (904) 488-1344, if you have any questions on this matter.

Sincerely,


John C. Brown, Jr., P.E.
Administrator

Air Permitting and Standards

JCB/WH/plm

cc: District Air Program Administrators
County Air Program Administrators
Robert Wallace III, P.E.



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

DER Form #	
Form Title	
Effective Date	
DER Application No.	(Filed in by DER)

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Facility
Portable Concrete Crushing ☒ New¹ ☐ Existing¹

APPLICATION TYPE: ☒ Construction ☐ Operation ☐ Modification

COMPANY NAME: Complete Resources Company COUNTY: Statewide

Identify the specific emission point source(s) addressed in this application (i.e. Lime Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired) Portable Concrete Crusher, Conveyors, Screen

SOURCE LOCATION: Street Portable Concrete Crusher City

See Attached for UTM: East Statewide North
Locations. Latitude ° ' "N Longitude ° ' "W

APPLICANT NAME AND TITLE: Dave Vasu, Vice President

APPLICANT ADDRESS: 702 Old Darby Street, Seffner, Fl. 33584

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative* of Complete Resources Co.

I certify that the statements made in this application for a construction permit are true, correct and complete to the best of my knowledge and belief. Further, I agree to maintain and operate the pollution control source and pollution control facilities in such a manner as to comply with the provision of Chapter 403, Florida Statutes, and all the rules and regulations of the department and revisions thereof. I also understand that a permit, if granted by the department, will be non-transferable and I will promptly notify the department upon sale or legal transfer of the permitted establishment.

*Attach letter of authorization

Signed:
Dave Vasu, Vice President, Southern Division
Name and Title (Please Type)

Date: Telephone No. (813) 681-9492

B. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA (where required by Chapter 471, F.S.)

This is to certify that the engineering features of this pollution control project have been ~~XXXXXX~~/examined by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that

¹ See Florida Administrative Code Rule 17-2.100(57) and (104)

the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules and regulations of the department. It is also agreed that the undersigned will furnish, if authorized by the owner, the applicant a set of instructions for the proper maintenance and operation of the pollution control facilities and, if applicable, pollution sources.

Signed _____

Robert E. Wallace III, P.E.

Name (Please Type)

Environmental Engineering Consultants, Inc.

Company Name (Please Type)

P.O. Box 7854, Tampa Fl 33673

Mailing Address (Please Type)

Florida Registration No. 21608 Date: _____ Telephone No. (813) 237-3781

SECTION II: GENERAL PROJECT INFORMATION

- A. Describe the nature and extent of the project. Refer to pollution control equipment, and expected improvements in source performance as a result of installation. State whether the project will result in full compliance. Attach additional sheet if necessary.

For the construction of a portable concrete crushing facility consisting of a Hazemag crusher, Tyler screen and associated conveyors. This facility will operate around the state in compliance with the unconfined emission regulations contained in Section 17-2.610(3) F.A.C.

- B. Schedule of project covered in this application (Construction Permit Application Only)
Start of Construction Upon Issuance of Permit Completion of Construction Within Six(6) Months of Permit Issuance

- C. Costs of pollution control system(s): (Note: Show breakdown of estimated costs only for individual components/units of the project serving pollution control purposes. Information on actual costs shall be furnished with the application for operation permit.)

Water spray systems approximately: \$1000.00

- D. Indicate any previous DER permits, orders and notices associated with the emission point, including permit issuance and expiration dates.

Permit granted for a site in Orange County. Copy of FDER Orlando's Intent to Issue & final permit is attached. AC48-217048.

E. Requested permitted equipment operating time: hrs/day____; days/wk____; wks/yr____;
if power plant, hrs/yr____; if seasonal, describe: 2912 hrs/yr.

Note: The applicant will commit to a specific condition of the permit limiting the
hours of operation to 2912 hrs/yr.

F. If this is a new source or major modification, answer the following questions.
(Yes or No)

1. Is this source in a non-attainment area for a particular pollutant? NO*
 - a. If yes, has "offset" been applied? NA
 - b. If yes, has "Lowest Achievable Emission Rate" been applied? NA
 - c. If yes, list non-attainment pollutants. NA
 2. Does best available control technology (BACT) apply to this source?
If yes, see Section VI. NO
 3. Does the State "Prevention of Significant Deterioration" (PSD)
requirement apply to this source? If yes, see Sections VI and VII. NO
 4. Do "Standards of Performance for New Stationary Sources" (NSPS)
apply to this source? NO**
 5. Do "National Emission Standards for Hazardous Air Pollutants"
(NESHAP) apply to this source? NO
- H. Do "Reasonably Available Control Technology" (RACT) requirements apply
to this source? NO*
- a. If yes, for what pollutants? _____
 - b. If yes, in addition to the information required in this form,
any information requested in Rule 17-2.650 must be submitted.

Attach all supportive information related to any answer of "Yes". Attach any justifi-
cation for any answer of "No" that might be considered questionable.

* Source may operate in Hillsborough and Duval Counties at which time they would be
subjected to the particulate RACT Standards.

** This facility is portable (see copy of the Complete Resources Company literature)
as defined in NSPS Subpart 000 (40 CFR 60.671), and thus can qualify for the exemption
contained in 40 CFR 60.670(c)(2), which states:

"Facilities at the following plants are not subject to the provisions of
this subpart:...

- (2). Portable sand and gravel plants and crushed stone plants with capacities,
as defined in 60.671 of 136 megagrams per hour (150 tons per hour) or less.

SECTION III: AIR POLLUTION SOURCES & CONTROL DEVICES (Other than Incinerators)

A. Raw Materials and Chemicals Used in your Process, if applicable:

Description	Contaminants		Utilization Rate - lbs/hr	Relate to Flow Diagram
	Type	% Wt		
Concrete	TSP		300,000	

B. Process Rate, if applicable: (See Section V, Item 1)

1. Total Process Input Rate (lbs/hr): 300,000

2. Product Weight (lbs/hr): 300,000

C. Airborne Contaminants Emitted: (Information in this table must be submitted for each emission point, use additional sheets as necessary)

Name of Contaminant	Emission ¹		Allowed ² Emission Rate per Rule 17-2	Allowable ³ Emission lbs/hr	Potential ⁴ Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/hr	T/yr	
TSP	2.8	4.1	17-2.610(3)	NA	2.8	4.1	

¹See Section V, Item 2.

²Reference applicable emission standards and units (e.g. Rule 17-2.600(5)(b)2. Table II, E. (1) - 0.1 pounds per million BTU heat input)

³Calculated from operating rate and applicable standard.

~~XX~~
~~Emission, if source operated with controls, see Section V, Item 2.~~

4. Potential emissions as defined in Chapter 17-2, F.A.C.

D. Control Devices: (See Section V, Item 4)

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles Size Collected (in microns) (If applicable)	Basis for Efficiency (Section V Item 5)
Water Sprays	TSP	90%	NA	AP-42

E. Fuels N/A

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	

*Units: Natural Gas--MMCF/hr; Fuel Oils--gallons/hr; Coal, wood, refuse, other--lbs/hr.

Fuel Analysis:

Percent Sulfur: _____ Percent Ash: _____

Density: _____ lbs/gal Typical Percent Nitrogen: _____

Heat Capacity: _____ BTU/lb _____ BTU/gal

Other Fuel Contaminants (which may cause air pollution): _____

F. If applicable, indicate the percent of fuel used for space heating.

Annual Average _____ Maximum _____

G. Indicate liquid or solid wastes generated and method of disposal.

None expected to be generated.

H. Emission Stack Geometry and Flow Characteristics (Provide data for each stack): N/A

No Stacks

Stack Height: _____ ft. Stack Diameter: _____ ft.

Gas Flow Rate: _____ ACFM _____ DSCFM Gas Exit Temperature: _____ °F.

Water Vapor Content: _____ % Velocity: _____ FPS

SECTION IV: INCINERATOR INFORMATION

N/A

Type of Waste	Type 0 (Plastics)	Type I (Rubbish)	Type II (Refuse)	Type III (Garbage)	Type IV (Pathological)	Type V (Liq. & Gas By-prod.)	Type VI (Solid By-prod.)
Actual lb/hr Incinerated							
Uncontrolled (lbs/hr)							

Description of Waste _____

Total Weight Incinerated (lbs/hr) _____ Design Capacity (lbs/hr) _____

Approximate Number of Hours of Operation per day _____ day/wk _____ wks/yr. _____

Manufacturer _____

Date Constructed _____ Model No. _____

	Volume (ft) ³	Heat Release (BTU/hr)	Fuel		Temperature (°F)
			Type	BTU/hr	
Primary Chamber					
Secondary Chamber					

Stack Height: _____ ft. Stack Diameter: _____ Stack Temp. _____

Gas Flow Rate: _____ ACFM _____ DSCFM* Velocity: _____ FPS

*If 50 or more tons per day design capacity, submit the emissions rate in grains per standard cubic foot dry gas corrected to 50% excess air.

Type of pollution control device: ☐ Cyclone ☐ Wet Scrubber ☐ Afterburner

☐ Other (specify) _____

Brief description of operating characteristics of control devices: _____

Ultimate disposal of any effluent other than that emitted from the stack (scrubber water, ash, etc.): _____

NOTE: Items 2, 3, 4, 6, 7, 8, and 10 in Section V must be included where applicable.

SECTION V: SUPPLEMENTAL REQUIREMENTS

Please provide the following supplements where required for this application.

1. Total process input rate and product weight -- show derivation [Rule 17-2.100(127)]
2. To a construction application, attach basis of emission estimate (e.g., design calculations, design drawings, pertinent manufacturer's test data, etc.) and attach proposed methods (e.g., FR Part 60 Methods 1, 2, 3, 4, 5) to show proof of compliance with applicable standards. To an operation application, attach test results or methods used to show proof of compliance. Information provided when applying for an operation permit from a construction permit shall be indicative of the time at which the test was made. See attached calculations
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).
See attached calculations
4. With construction permit application, include design details for all air pollution control systems (e.g., for baghouse include cloth to air ratio; for scrubber include cross-section sketch, design pressure drop, etc.) See process description & flow diagram
5. With construction permit application, attach derivation of control device(s) efficiency. Include test or design data. Items 2, 3 and 5 should be consistent: actual emissions = potential (1-efficiency). AP-42 Section 8.19.2
6. An 8 1/2" x 11" flow diagram which will, without revealing trade secrets, identify the individual operations and/or processes. Indicate where raw materials enter, where solid and liquid waste exit, where gaseous emissions and/or airborne particles are evolved and where finished products are obtained. Attached
7. An 8 1/2" x 11" plot plan showing the location of the establishment, and points of airborne emissions, in relation to the surrounding area, residences and other permanent structures and roadways (Example: Copy of relevant portion of USGS topographic map).
Attached
8. An 8 1/2" x 11" plot plan of facility showing the location of manufacturing processes and outlets for airborne emissions. Relate all flows to the flow diagram.
Attached

9. The appropriate application fee in accordance with Rule 17-4.05. The check should be made payable to the Department of Environmental Regulation.

Check for \$250.00 attached

10. With an application for operation permit, attach a Certificate of Completion of Construction indicating that the source was constructed as shown in the construction permit.

N/A

SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY N/A

A. Are standards of performance for new stationary sources pursuant to 40 C.F.R. Part 60 applicable to the source?

☐ Yes ☐ No

Contaminant

Rate or Concentration

B. Has EPA declared the best available control technology for this class of sources (If yes, attach copy)

☐ Yes ☐ No

Contaminant

Rate or Concentration

C. What emission levels do you propose as best available control technology?

Contaminant

Rate or Concentration

D. Describe the existing control and treatment technology (if any).

1. Control Device/System:

2. Operating Principles:

3. Efficiency:*

4. Capital Costs:

*Explain method of determining

5. Useful Life:

7. Energy:

9. Emissions:

6. Operating Costs:

8. Maintenance Cost:

Contaminant:

Rate or Concentration

10. Stack Parameters

a. Height:	ft.	b. Diameter:	ft.
c. Flow Rate:	ACFM	d. Temperature:	°F.
e. Velocity:	FPS		

E. Describe the control and treatment technology available (As many types as applicable, use additional pages if necessary).

1.

a. Control Device:	b. Operating Principles:
c. Efficiency: ¹	d. Capital Cost:
e. Useful Life:	f. Operating Cost:
g. Energy: ²	h. Maintenance Cost:
i. Availability of construction materials and process chemicals:	
j. Applicability to manufacturing processes:	
k. Ability to construct with control device, install in available space, and operate within proposed levels:	

2.

a. Control Device:	b. Operating Principles:
c. Efficiency: ¹	d. Capital Cost:
e. Useful Life:	f. Operating Cost:
g. Energy: ²	h. Maintenance Cost:
i. Availability of construction materials and process chemicals:	

¹Explain method of determining efficiency.

²Energy to be reported in units of electrical power - KWH design rate.

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

3.

a. Control Devices:

b. Operating Principles:

c. Efficiency:¹

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:²

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

4.

a. Control Device:

b. Operating Principles:

c. Efficiency:¹

d. Capital Costs:

e. Useful Life:

f. Operating Cost:

g. Energy:²

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

F. Describe the control technology selected:

1. Control Device:

2. Efficiency:¹

3. Capital Cost:

4. Useful Life:

5. Operating Cost:

6. Energy:²

7. Maintenance Cost:

8. Manufacturer:

9. Other locations where employed on similar processes:

a. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

¹Explain method of determining efficiency.

²Energy to be reported in units of electrical power - KWH design rate.

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant

Rate or Concentration

(8) Process Rate:¹

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant

Rate or Concentration

(8) Process Rate:¹

10. Reason for selection and description of systems:

¹Applicant must provide this information when available. Should this information not be available, applicant must state the reason(s) why.

SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION

A. Company Monitored Data

1. _____ no. sites _____ TSP _____ () SO₂* _____ Wind spd/dir

Period of Monitoring _____ / _____ / _____ to _____ / _____ / _____
month day year month day year

Other data recorded _____

Attach all data or statistical summaries to this application.

*Specify bubbler (B) or continuous (C).

DER Form 17-1.202(1)

Effective November 30, 1982

Page 11 of 12

2. Instrumentation, Field and Laboratory

- a. Was instrumentation EPA referenced or its equivalent? ☐ Yes ☐ No
- b. Was instrumentation calibrated in accordance with Department procedures?
☐ Yes ☐ No ☐ Unknown

B. Meteorological Data Used for Air Quality Modeling

1. _____ Year(s) of data from _____ / _____ / _____ to _____ / _____ / _____
month day year month day year
2. Surface data obtained from (location) _____
3. Upper air (mixing height) data obtained from (location) _____
4. Stability wind rose (STAR) data obtained from (location) _____

C. Computer Models Used

1. _____ Modified? If yes, attach description.
2. _____ Modified? If yes, attach description.
3. _____ Modified? If yes, attach description.
4. _____ Modified? If yes, attach description.

Attach copies of all final model runs showing input data, receptor locations, and principle output tables.

D. Applicants Maximum Allowable Emission Data

Pollutant	Emission Rate
TSP	_____ grams/sec
SO ₂	_____ grams/sec

E. Emission Data Used in Modeling

Attach list of emission sources. Emission data required is source name, description of point source (on NEDS point number), UTM coordinates, stack data, allowable emissions, and normal operating time.

F. Attach all other information supportive to the PSD review.

G. Discuss the social and economic impact of the selected technology versus other applicable technologies (i.e., jobs, payroll, production, taxes, energy, etc.). Include assessment of the environmental impact of the sources.

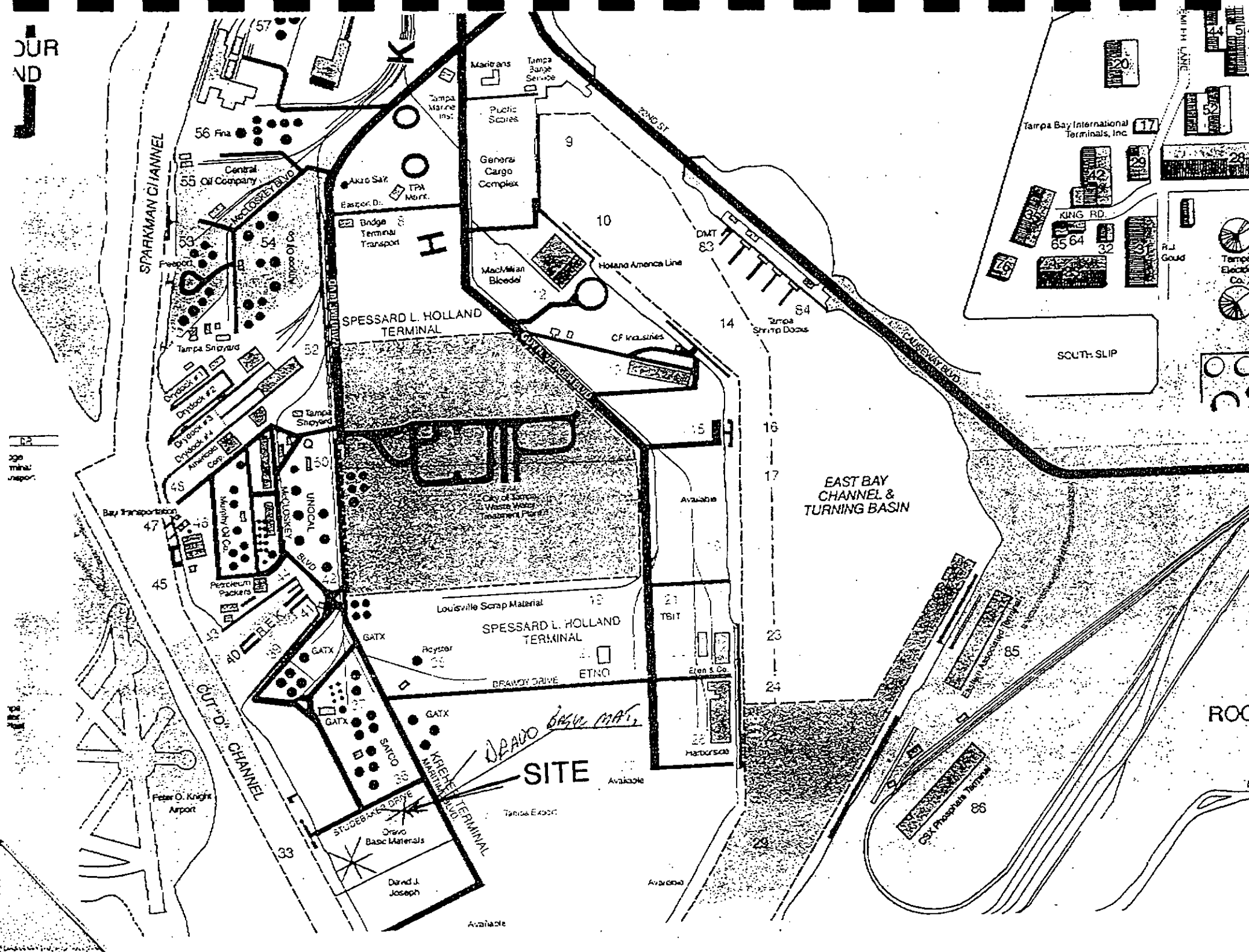
H. Attach scientific, engineering, and technical material, reports, publications, journals, and other competent relevant information describing the theory and application of the requested best available control technology.

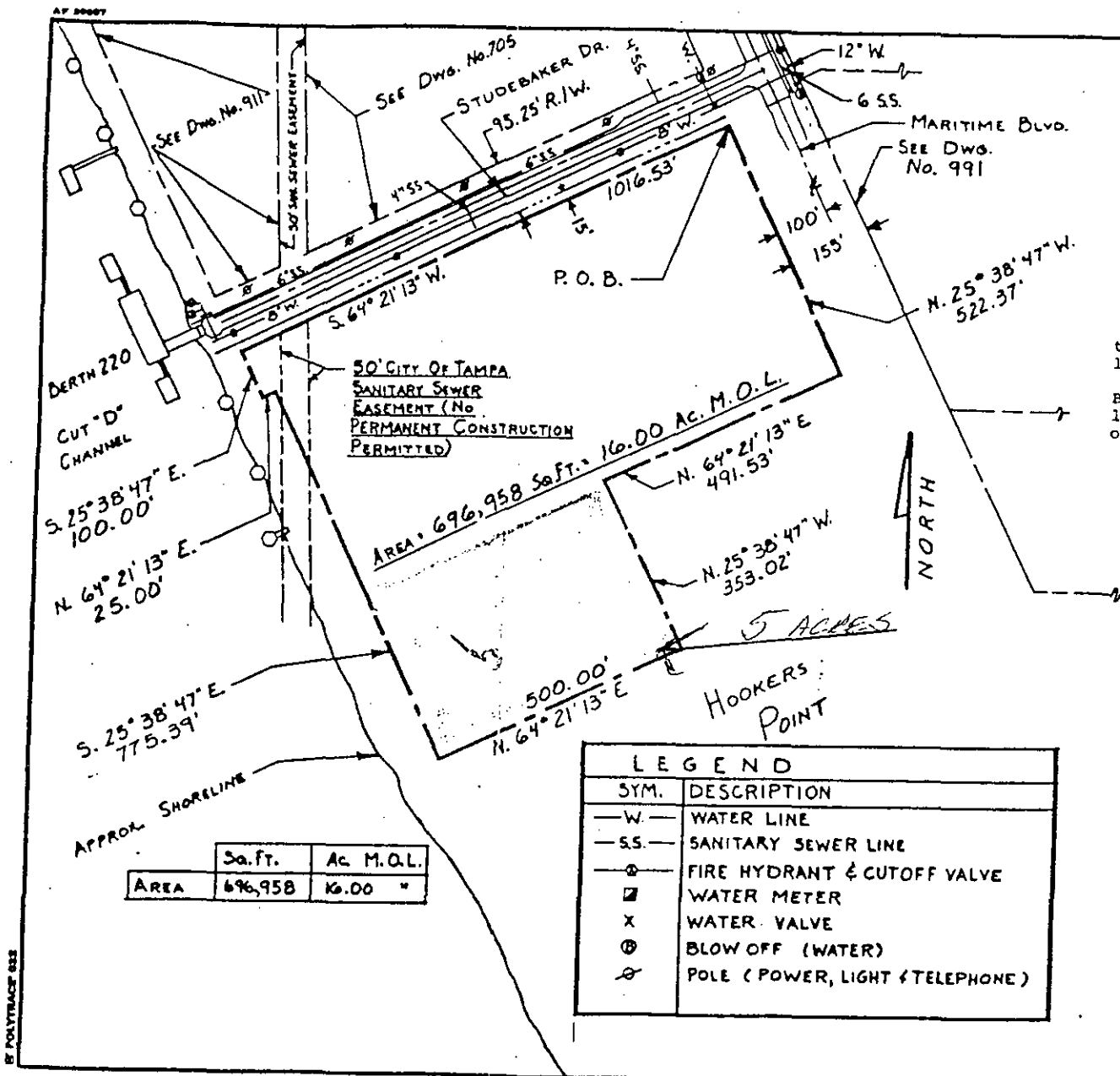
COMPLTETE RESOURCES COMPANY
SITE LOCATIONS

<u>Address</u>	<u>Geodetic</u>	<u>UTM</u>
Dravo Basic Materials 4101 Maritime Blvd. Tampa	27° 54' 47" 82° 26' 18"	17-358.5E 3088.2N

EEC#920901.

L





LEGAL DESCRIPTION

Commencing at a Point of Beginning which lies 8639.75 feet south and 1054.01 feet west of the N.E. corner of Section 30, Township 29 South, Range 19 East, Hillsborough County, Florida

Running thence	S 64° 21' 13" W	a distance of 1016.53 feet
	S 25° 38' 47" E	100.00
	N 64° 21' 13" E	25.00
	S 25° 38' 47" E	775.39
	N 64° 21' 13" E	500.00
	N 25° 38' 47" W	353.02
	N 64° 21' 13" E	491.53
	N 25° 38' 47" W	522.37

to the Point of Beginning, comprising 696,958 Square Feet — 16.00 Acres more or less.

Bearings and coordinates refer to the Standard Plane Rectangular Coordinate System (Transverse Mercator) for the West Zone of Florida.

LEGEND

SYM.	DESCRIPTION
— W —	WATER LINE
— S.S. —	SANITARY SEWER LINE
⊗	FIRE HYDRANT & CUTOFF VALVE
⊠	WATER METER
X	WATER VALVE
⊙	BLOW OFF (WATER)
⊕	POLE (POWER, LIGHT & TELEPHONE)

REVISED 2-18-85 : CHANGED AREA LINE, LEGAL DESCRIPTION & TITLE.

TAMPA PORT AUTHORITY

811 WYNKOOP ROAD TAMPA, FLORIDA

RADCLIFF MATERIALS, INC.

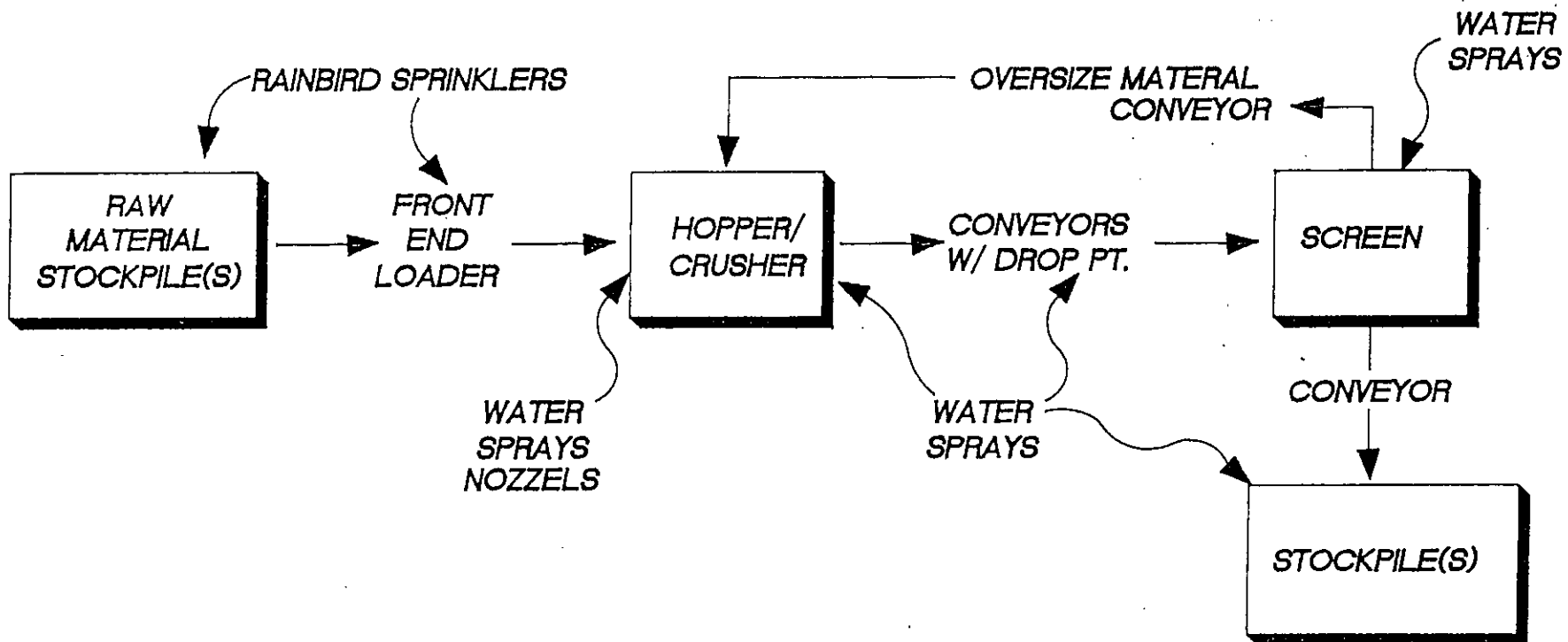
D. B. A.

DRAGO BASIC MATERIALS CO.

	BY	DATE	PROJECT NO.
DRAWN	J.L.T.	1-4-85	
CHECKED	J.J.	1-9-85	
		SCALE	1" = 100'
			DRAWING NO. 1015

FLOW DIAGRAM

COMPLETE RESOURCES COMPANY



COMPLETE RESOURCES COMPANY

EMISSIONS CALCULATIONS

	Rate (TPH)	AP-42 Emission Factor (lb/ton)	Water Spray (Eff. %)	Emissions (lbs/hr) Tons/yr**	
Hopper (Ft. end Loader)	150	0.06	90	0.09	0.1310
Crusher (Wet Material)	150	0.018	NA*	2.7	3.93
Conveyor Drop Pt.	150	0.0003	90	0.0005	0.0007
Screening (Wet Material)	150	0.0003	90	0.0005	0.0007
Screening Drop Pt.	150	0.0003	90	0.0005	0.0007
Conveyor Drop To Pile	150	0.0003	90	0.0005	0.0007
Total				2.79	4.06

*Efficiency already factored in for wet materials

**Assume 2912 hrs/yr (8 hrs/day, 7 days/week, 52 weeks/yr).

COMPLETE RESOURCES COMPANY

UNCONFINED EMISSION CONTROL

The applicant proposes to provide control of unconfined emission through the use of wet suppression.

As noted on the flow diagram, the following potential sources of unconfined emissions will be controlled.

<u>POTENTIAL SOURCE</u>	<u>CONTROL</u>
Raw Material Stockpile(s)	Rainbird Sprinkler(s)
Front End Loader Traffic Area	Rainbird Sprinkler(s)
Hopper Attached To Crusher	Water Sprays
Drop Point From Crusher To Conveyor	Water Spray
Conveyor Transfer Point	Water Spray
Screen	Water Spray
Finished Material Stockpile	Rainbird Sprinkler(s)

Additional spray will be used as necessary.

Attachment E

Description of Control Equipment

COMPLETE RESOURCES COMPANY

UNCONFINED EMISSION CONTROL

The applicant proposes to provide control of unconfined emission through the use of wet suppression.

As noted on the flow diagram, the following potential sources of unconfined emissions will be controlled.

<u>POTENTIAL SOURCE</u>	<u>CONTROL</u>
Raw Material Stockpile(s)	Rainbird Sprinkler(s)
Front End Loader Traffic Area	Rainbird Sprinkler(s)
Hopper Attached To Crusher	Water Sprays
Drop Point From Crusher To Conveyor	Water Spray
Conveyor Transfer Point	Water Spray
Screen	Water Spray
Finished Material Stockpile	Rainbird Sprinkler(s)

Additional spray will be used as necessary.

Attachment F

**Precautions to Prevent Unconfined Emissions
of Particulate Matter**

Precautions to Prevent Unconfined Particulate Matter Emissions

Pursuant to F.A.C. Rule 62-296.310(3), the unconfined emissions of particulate matter shall comply with the following:

- (a) Keep unpaved roads, parking areas and yards moist at all times by applying water/dust suppressant as necessary.
- (b) Remove particulate matter from paved roads and maintain as necessary.
- (c) Maintain emission points as enclosed as possible and vent through an appropriate air pollution control device, if necessary, to meet the applicable emission standards.
- (d) Maintain material drop points as low as possible, primarily during windy conditions. Stop operation if necessary.
- (e) Maintain vehicular speed at a maximum of 10 mph. Post signs, where applicable.
- (f) Plant vegetation or landscape on nontrafficked areas, where applicable.