

Via Certified Mail
No. P 657 121 399

July 11, 1995

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

RECEIVED
JUL 19 1995
Bureau of
Air Regulation



ENVIRONMENTAL
ENGINEERING
CONSULTANTS, INC.

Subject: Statewide Operating Permit Application;
Portable Concrete Crushing Facility;
Complete Resources Company;
Statewide Air Permit No. AC29-266389

Dear Mr. Hanks:

On behalf of Complete Resources Co., this letter is to submit a statewide operating permit application for a portable concrete crushing facility. Enclosed are 4 copies of a completed FDEP Short Form 62-210.900(2), and a check for \$1,000.00.

Per our discussion on July 5, 1995, also please accept this letter as a request to lower the maximum concrete crushing rate from 150 to 144 tons per hour. The June 23, 1995 visible emissions tests were conducted at a process rate of 130.3 tons per hour which is approximately 90% of the lower requested rate of 144 TPH. A lower concrete crushing rate of 144 TPH will help assure the Department that our facility is not subject to NSPS Subpart 000 pursuant to 40 CFR 60.670(c)(2). Revised emissions calculations based on 144 TPH are enclosed as Attachment G. The visible emissions test results for the concrete crushing facility and the diesel generator are enclosed as Attachment H.

If you have any questions, please call me at (800) 229-3311.

Sincerely,

ENVIRONMENTAL ENGINEERING CONSULTANTS, INC.

Victor L. San Agustin, P.E., C.H.M.M.
Senior Environmental Engineer

VSA/ch

cc: Terry Sorrell, Complete Resources Co.
Alan Zahm, P.E., FDEP - Central District

EEC#92090.010

5119 NORTH FLORIDA AVENUE
P.O. BOX 7854
TAMPA, FLORIDA 33673
813/237-3781
800/229-3781
TELEFAX 813/238-0036

**Statewide Air Operating Permit Application
for a Relocatable Concrete Crushing Facility
Complete Resources Company**

Prepared for:

**Complete Resources Company
4102 Maine 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**

July 10, 1995

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Department of Environmental Protection

DIVISION OF AIR RESOURCES MANAGEMENT

APPLICATION FOR AIR PERMIT - SHORT FORM

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

I. APPLICATION INFORMATION

This section of the Application for Air Permit form provides general information on the scope of this application and the purpose for which this application is being submitted. This section also includes information on the owner or authorized representative of the facility and the necessary statements for the applicant and professional engineer, where required, to sign and date for formal submittal of the Application for Air Permit to the Department. If the application form is submitted to the Department 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
Relocatable Concrete Crushing Facility;
Facility May Operate at Any Industrial Site in Florida Provided
Air Permit Conditions Are Complied With.
Facility ID No. 30 ORG 48 0204
Statewide Construction Permit No. AC29-266389

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	7-19-95
2. Permit Number:	A029-274649

Owner/Authorized Representative

1. Name and Title of Owner/Authorized Representative:

Mr. Terry Sorrell, General Manager

2. Owner/Authorized Representative Mailing Address:

Organization/Name: Complete Resources Company

Street Address: 4102 Maine Street

City: Lakeland

State: Florida

Zip Code: 33801

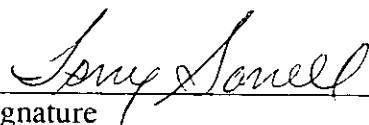
3. Owner/Authorized Representative Telephone Numbers:

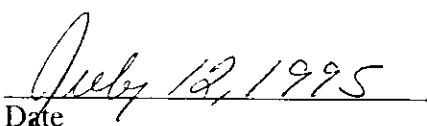
Telephone: (813) 665 - 2133

Fax: (813) 665 - 6693

4. Owner/Authorized Representative Statement:

I, the undersigned, am the owner or authorized representative of the facility (non-Title V source) addressed in this Application for Air Permit. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. Further, I agree to operate and maintain the air pollutant emissions units and air pollution control equipment described in this application so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. 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. 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

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

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

AC29-266389 (Statewide Permit)
Current construction permit numbers: AC48-264149 (Central District Permit)

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

Current construction permit number: _____

Operation permit to be revised: _____

- ☐ Air operation permit renewal.

Operation permit to be renewed: _____

Application Processing Fee

Check one:

☒ Attached - Amount: \$ \$1,000.00

☐ Not Applicable.

Construction/Modification Information

1. Description of Alterations:

None

2. Date of Commencement of Construction (DD-MON-YYYY):

19 - May - 1995

Professional Engineer Certification

1. Professional Engineer Name: Victoriano L. San Agustin, Jr.

Registration No.: 40226

2. Professional Engineer Mailing Address:

Organization/Name: Environmental Engineering Consultants, Inc.

Street Address: P.O. Box 7854

City: Tampa State: Florida Zip Code: 33673

3. Professional Engineer Telephone Numbers:

Telephone: (813) 237 - 3781

Fax: (813) 238 - 0036

4. Professional Engineer Statement:

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

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

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

Victoriano L. San Agustin, Jr.
Signature

7/11/95
Date

(seal)

* Attach any exception to certification statement.

Application Contact

1. Name and Title of Application Contact: Victoriano L. San Agustin, Jr., P.E. Senior Environmental Engineer			
2. Application Contact Mailing Address: Organization/Name: Environmental Engineering Consultants, Inc. Street Address: P.O. Box 7854 City: Tampa State: Florida Zip Code: 33673			
3. Application Contact Telephone Numbers: Telephone: (813) 237 - 3781 Fax: (813) 238 - 0036			

Application Comment

--

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. 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? [x] Yes [] No	10. Facility Major Group SIC Code: 32
<p>11. Facility Comment:</p> <p>4. Facility Location Information</p> <p>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).</p> <p>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"</p> <p>b. 4102 Maine 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"</p> <p>c. 4104 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"</p>			

Facility Contact

1. Name and Title of Facility Contact: Mr. Terry Sorrell, General Manager		
2. Facility Contact Mailing Address: Organization/Firm: Complete Resources Address: 4102 Maine 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 by Virtue of Previous Air Construction Permit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Statewide Permit AC29-266389 Construction Permit Number/Issue Date: Central District Permit AC48-264149		
4. Facility Regulatory Classifications Comment:		

B. FACILITY SUPPLEMENTAL INFORMATION

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

Supplemental Requirements for All Applications

1. Area Map Showing Facility Location: <input checked="" type="checkbox"/> Attached, Document ID: <u>Attach. A</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested		
2. Facility Plot Plan: <input checked="" type="checkbox"/> Attached, Document ID: <u>Attach. B</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested		
3. Process Flow Diagram(s): <input checked="" type="checkbox"/> Attached, Document ID: <u>Attach. C</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Request		
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: <input checked="" type="checkbox"/> Attached, Document ID: <u>Attach. D</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested		

III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION

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 1 of 2

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 [] No Corresponding ID [] Unknown		
3. Emissions Unit Status Code: A	4. Emissions Unit Major Group SIC Code: 32	
5. Initial Startup Date (DD-MON-YYYY): 23 - May 1995		
6. Long-term Reserve Shutdown Date (DD-MON-YYYY): N/A		
7. Package Unit: Manufacturer: N/A Model Number:		
8. Generator Nameplate Rating: N/A MW		
9. Incinerator Information: Dwell Temperature: N/A °F Dwell Time: N/A seconds Incinerator Afterburner Temperature : N/A °F		
10. Emissions Unit Comment:		

Emissions Unit Information Section 1 of 2

Emissions Unit Control Equipment

- | |
|---|
| 1. Description:
Water sprays are located throughout the operation at transfer 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(s): 061 - Dust Suppression by Water Sprays |

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate:	N/A	mmBtu/hr
2. Maximum Incineration Rate:	N/A lb/hr	N/A tons/day
3. Maximum Process or Throughput Rate:	144 TPH	
4. Maximum Production Rate:	144 TPH	
5. Operating Capacity Comment:	None	

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:

8	hours/day	7	days/week
52	weeks/year	2,912	hours/year

B. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

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

Supplemental Requirements for All Applications

1. Process Flow Diagram [x] Attached, Document ID: <u>Attach. C</u> [] Not Applicable [] Waiver Requested
2. Fuel Analysis or Specification [x] Attached, Document ID: <u>Attach. E</u> [] Not Applicable [] Waiver Requested
3. Detailed Description of Control Equipment [x] Attached, Document ID: <u>Attach. F</u> [] Not Applicable [] Waiver Requested
4. Description of Stack Sampling Facilities [] Attached, Document ID: _____ [x] Not Applicable [] Waiver Requested This emissions unit has no stacks.
5. Compliance Test Report [x] Attached, Document ID: <u>Attachment G</u> [] Previously submitted, Date: _____ [] Not Applicable
6. Procedures for Startup and Shutdown [] Attached, Document ID: _____ [x] Not Applicable
7. Operation and Maintenance Plan [] Attached, Document ID: _____ [x] Not Applicable
8. Other Information Required by Rule or Statute [] Attached, Document ID: _____ [x] Not Applicable

III. EMISSIONS UNIT INFORMATION

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

A. GENERAL EMISSIONS UNIT INFORMATION

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:

- ☒ [x] 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 2

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: A	4. Emissions Unit Major Group SIC Code: 32	
5. Initial Startup Date (DD-MON-YYYY): 23 - May 1995		
6. Long-term Reserve Shutdown Date (DD-MON-YYYY): N/A		
7. Package Unit: Yes Manufacturer: Caterpillar Model Number: 3412		
8. Generator Nameplate Rating: 725 HP		
9. Incinerator Information: <div style="display: flex; justify-content: space-between;"> <div>Dwell Temperature:</div> <div>N/A</div> <div>°F</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Dwell Time:</div> <div>N/A</div> <div>seconds</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Incinerator Afterburner Temperature :</div> <div>N/A</div> <div>°F</div> </div>		
10. Emissions Unit Comment:		

Emissions Unit Information Section 2 of 2

Emissions Unit Control Equipment

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

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate:	725 HP	or	1.85 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:	$725 \text{ HP} \times \frac{42.44 \text{ BTU/min}}{\text{HP}} \times \frac{60 \text{ min}}{\text{hr}} \times \frac{1 \text{ mmBTU}}{1,000,000 \text{ BTU}} = 1.85 \text{ mmBTU/hr}$		

Emissions Unit Operating Schedule

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

B. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

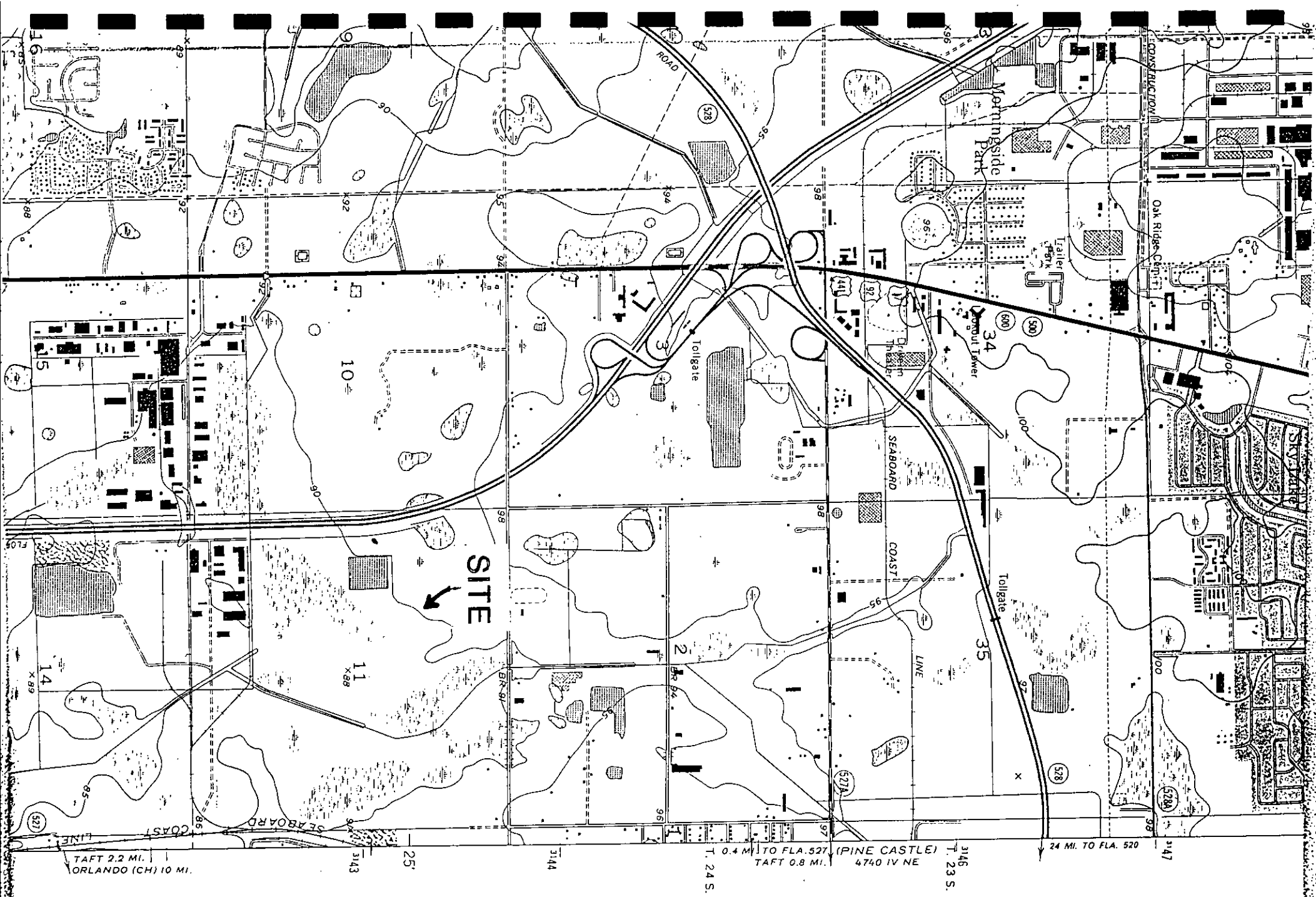
This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

Supplemental Requirements for All Applications

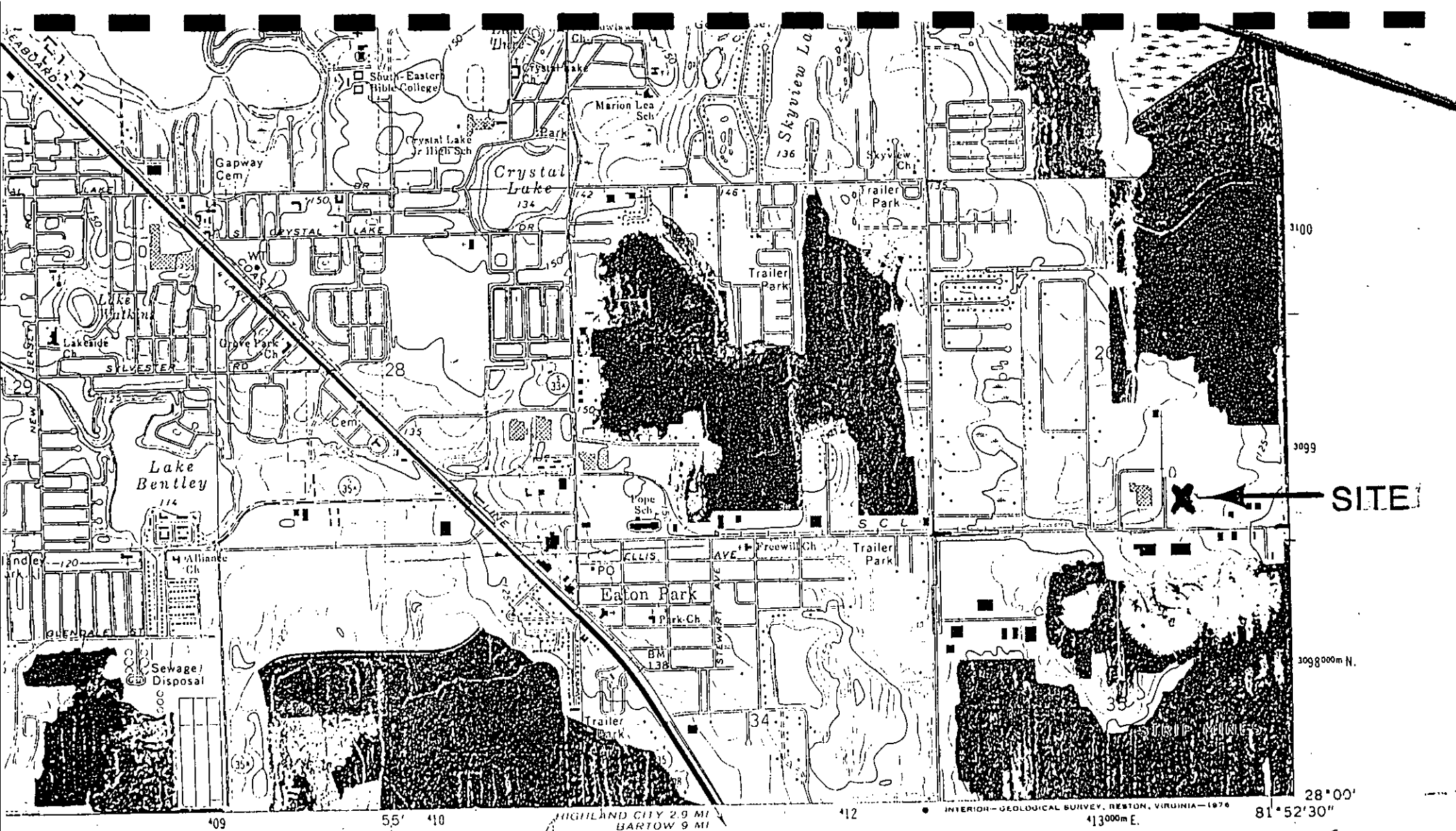
1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: <u>Attach. C</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input checked="" type="checkbox"/> Attached, Document ID: <u>Attach. E</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input checked="" type="checkbox"/> Attached, Document ID: <u>Attachment G</u> <input type="checkbox"/> Previously submitted, Date: _____ <input type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
8. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

Attachment A

Area Maps



Orlando, Florida



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

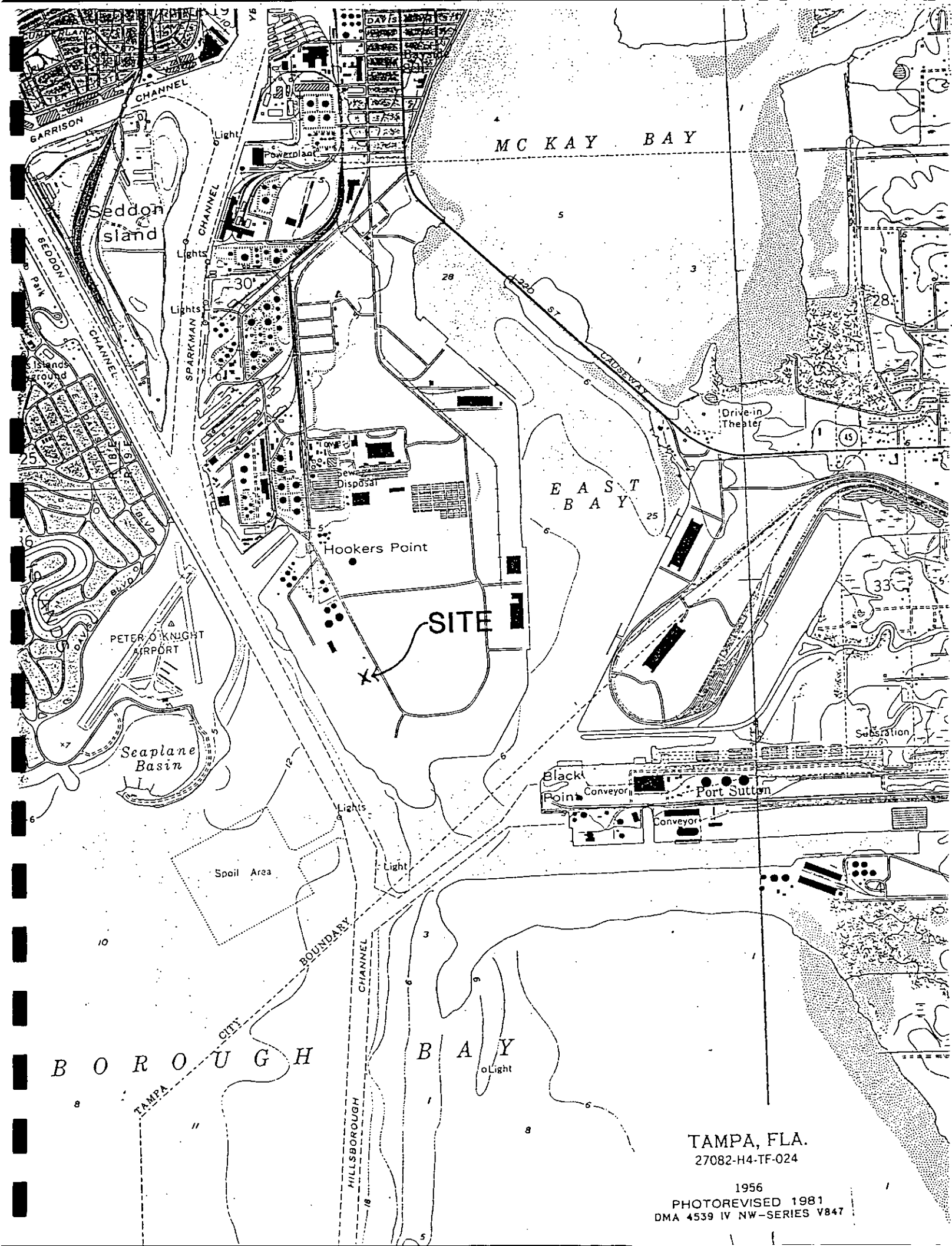
1 MILE
 0 5000 6000 7000 FEET
 1 KILOMETRE
 1 FEET
 DATUM OF 1929



QUADRANGLE LOCATION

LAKELAND, FLA.
 N2800-W8152.5/7.5

1975



TAMPA, FLA.
27082-H4-TF-024

1956
PHOTOREVISED 1981
DMA 4539 IV NW-SERIES V847

Attachment B

Typical Facility Layout

ELECTRIC GENERATOR
DIESEL FIRED

CRUSHING PLANT

FUEL TANK

TRAILER

FEED CONVEYOR

STACKER

STOCKPILE

STACKER

STOCKPILE

DRAWING FILE # : VCL.DWG
LAST UPDATED : 02/17/95
LAST PLOTTED : 02/17/95
PLOT SCALE : 1-1



ENVIRONMENTAL ENGINEERING CONSULTANTS, INC.
CONSULTING ENGINEERS AND ENVIRONMENTAL SCIENTISTS
5118 NORTH FLORIDA AVENUE - P.O. BOX 7854 - TAMPA, FLORIDA 33673

SITE LAYOUT

**COMPLETE RESOURCES OF
FLORIDA COMPANY**

LAKELAND, FLORIDA

DATE:

FEB 1995

JOB NUMBER:

SCALE:

NONE

SHEET:

F1

DESIGNED : V.S.

DRAWN : R.B.

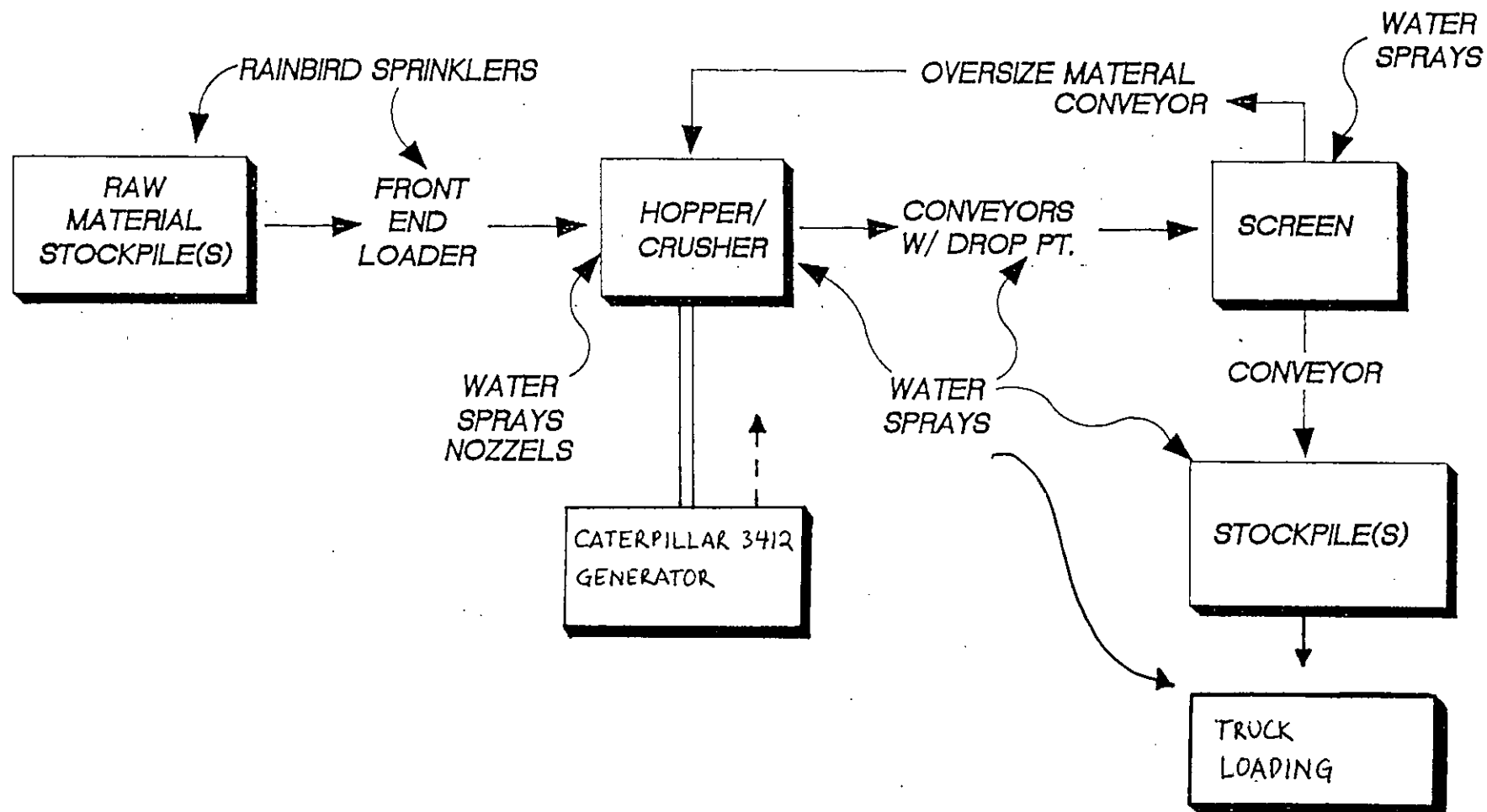
CHECKED : V.S.

Attachment C

Process Flow Diagram

FLOW DIAGRAM

COMPLETE RESOURCES COMPANY



Attachment D

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

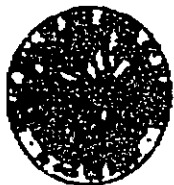
Precautions to Prevent Unconfined Particulate Matter Emissions

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.

Attachment E

Fuel Analysis or Specification



Bob Crawford
Commissioner

THE STATE OF FLORIDA
DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES

ANALYSES OF OFFICIAL PETROLEUM SAMPLES UNDER CHAPTER 525, FLORIDA STATUTES

TEXACO INC
425 S 20TH ST
TAMPA FL

33605

TAKEN FROM:

SUPPLIER FROM	DATE TAKEN	DATE RECEIVED	DATE REPORTED	INSPECTOR'S NAME	FACILITY #
TEXACO INC	06/13/95	06/14/95	06/16/95	TUTTBER	142903

SAMPLE NO.	PRODUCT NAME	PUMP OR TANK NAME AND NO.	GALLONS	Flash Point °F	DISTILLATION		COLOR	SULFUR WT. %	VISCOSITY cSt	FOUND BY ANALYSIS
					TEMPERATURE °F	°F END POINT				
MD330981	DIESEL FUEL #2	13-27	520,733	158	10 % EVAPORATED			.04		LEGAL
MD330982	DIESEL FUEL #2	80-11	2,901,029	154				.04		LEGAL
MD330983	DIESEL FUEL #2	38-25	723,045	172				.03		LEGAL

REMARKS:

Division Of Standards
Bureau Of Petroleum Inspection
3125 Conner Blvd., Bldg. 1
Tallahassee, FL 32309-1650
Phone: 904/488-9740

Bob Crawford
Bob Crawford
Commissioner Of Agriculture

Attachment F

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 G

Revised Emissions Calculations

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)	144	0.06	90	0.86	1.26
Crusher (Wet Material)	144	0.018	NA*	2.6	3.78
Conveyor Drop Pt.	144	0.0003	90	0.0043	0.006
Screening (Wet Material)	144	0.0003	90	0.0043	0.006
Conveyor Drop To Pile	144	0.0003	90	0.0043	0.006
Front End Loader To Truck	144	0.0003	90	0.0043	0.006
Total				3.48	5.06

* Efficiency already factored in for wet materials

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

Attachment H

Visible Emissions Test Results

PROCESS RATE STATEMENT

PLANT: Complete Resources Company
 SOURCE: 11499 Rocket Blvd, Orlando, FL
 DESCRIPTION: concrete crushing
 LOCATION: Orlando
 PERMIT NO.: AC48-269149
 POINT ID: 01, 02
 TEST METHOD: DEP 9
 TEST DATE: 6-23-95
 TEST INTERVAL: 1131-

PROCESS RATE

<u>PARAMETER</u>	<u>TEST DATA</u>	<u>UNITS</u>	<u>PERMIT SPECIFICATION</u>
Finished Material	130.3	Tons/hr	< 150 +

COMMENTS:

Diesel generator was operating at approximately maximum horsepower during test.

I hereby certify that the above stated process rate and compliance test data is true and correct to the best of my knowledge.

Signed

Name

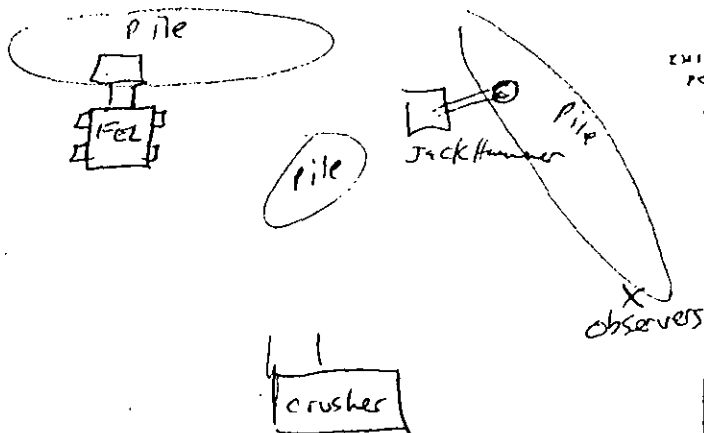
Title

Alan W. Rountree
ALAN W ROUNTREE
Foreman

VISIBLE EMISSION OBSERVATION FORM

SOURCE NAME COMPLETE RESOURCES COMPANY		PROJECT NUMBER 92090	OBSERVATION DATE 6-23-95
LOCATION 11499 ROCKET BLVD ORLANDO FL		OBSERVER'S NAME (PRINT) Byron Burrows	
PERMIT NO. AC48-264149		CERTIFIED BY FDEP	DATE 9-1-95
PROCESS Concrete Crusher RAW MATERIAL STOCKPILE		CONTROL EQUIPMENT —	
DESCRIBE EMISSION POINT Area of F.E.L./Jackhammer activity		START TIME 1138	STOP TIME 1211
EMISSION POINT HEIGHT ABOVE GROUND LEVEL ~ 20 → 20 ft		EMISSION POINT HEIGHT RELATIVE TO OBSERVER ~ (-6 → 14) ft	
DISTANCE TO EMISSION POINT ~ 50 ft		DIRECTION TO EMISSION POINT NW → NE	
DESCRIBE EMISSIONS Cement Dust			
COLOR OF EMISSIONS White	CONTINUOUS <input checked="" type="checkbox"/> INTERMITTENT	FUGITIVE <input type="checkbox"/>	
WATER VAPOR PRESENT NO	IF YES, IS PLUME ATTACHED <input type="checkbox"/>	DETACHED <input type="checkbox"/>	
AT WHAT POINT WAS OPACITY DETERMINED AREA OF FRONT END LOADER/STOCKPILE			
DESCRIBE BACKGROUND SKY			
COLOR OF BACKGROUND GRAY/WHITE	SKY CONDITIONS OVCRAST		
WIND SPEED 1-3 MPH	WIND DIRECTION —		
AMBIENT TEMPERATURE ~ 80°F	RELATIVE HUMIDITY ~ 80%		
REMARKS BEG 1130 12745.0 TONS 1231 12901.6 1331 13047.6 1431 13135.9 Emissions only from jackhammer operations @ stock pile			
		AVERAGE OPACITY 0%	
		RANGE OF OPACITY READINGS FROM 0 TO 5	
		OBSERVER'S SIGNATURE <i>Byron Burrows</i>	
		DATE 6-23-95	

SOURCE LAYOUT SKETCH



STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

THIS IS TO CERTIFY THAT
BYRON BURROWS

has completed the
STATE OF FLORIDA visible emissions evaluation training and is a qualified
observer of visible emissions as specified by EPA reference method 9.
THIS CERTIFICATE EXPIRES **Sep 1, 1995**

Byron Burrows
CERTIFICATE OFFICER BEARER'S SIGNATURE

UNIT ADDRESS NONE

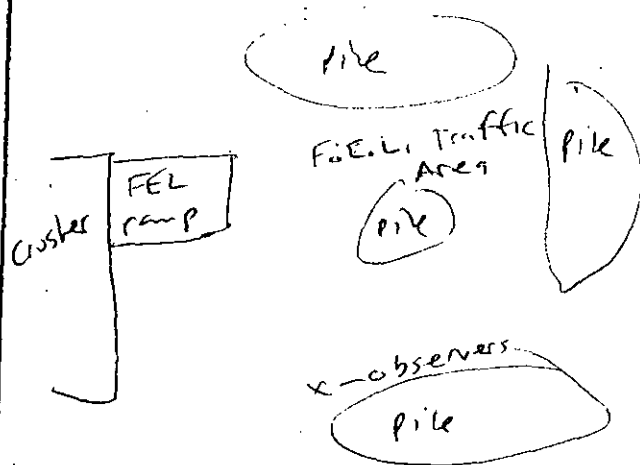


SOURCE NAME COMPLETE RESOURCES COMPANY - Concrete Crusher		PROJECT NUMBER 92070		OBSERVATION DATE 6-23-95	
LOCATION 11499 Rocket Blvd Orlando FL		PERMIT # AC48-264199		OBSERVER'S NAME (PRINT) Byron Burrows	
PROCESS (F.I.E.L.) FRONT END LOADER TRAFFIC AREA		CONTROL EQUIPMENT 		CERTIFIED BY FOEP/LTA	
DESCRIBE EMISSION POINT F.I.E.L. Activity		START TIME 1138		STOP TIME 1211	
EMISSION POINT HEIGHT ABOVE GROUND LEVEL ~0 → 15ft		EMISSION POINT HEIGHT RELATIVE TO OBSERVER -6 → 9 ft		DATE EXP. 9-1-95	
DISTANCE TO EMISSION POINT ~50ft		DIRECTION TO EMISSION POINT NE → NW			
DESCRIBE EMISSIONS NONE					
COLOR OF EMISSIONS 		CONTINUOUS INTERMITTENT <input checked="" type="checkbox"/>		FUGITIVE 	
WATER VAPOR PRESENT NO		IF YES, IS PLUME ATTACHED 		DETACHED 	
AT WHAT POINT WAS OPACITY DETERMINED AREA ABOVE FEL Activity					
DESCRIBE BACKGROUND SKY/TREES					
COLOR OF BACKGROUND GRAY/GREEN		SKY CONDITIONS OVERCAST			
WIND SPEED 2-3 MPH		WIND DIRECTION SW			
AMBIENT TEMPERATURE ~80°F		RELATIVE HUMIDITY ~80%			
REMARKS 1154 Delay 1157 resume					

AVERAGE OPACITY 0%		RANGE OF OPACITY READINGS FROM 0 TO 0	
OBSERVER'S SIGNATURE 		DATE 6-23-95	

SOURCE LAYOUT SKETCH

SOURCE LAYOUT SKETCH



EXHIBITION
POINT

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

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THIS CERTIFICATE EXPIRES Sep 1, 1995

Edmund S. H.
CERTIFICATE OFFICER

BEARER'S SIGNATURE

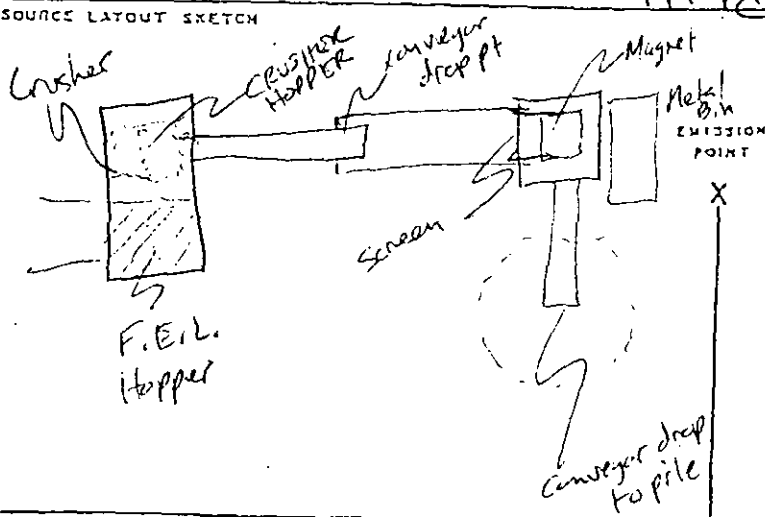
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^s NONE

VISIBLE EMISSION OBSERVATION FORM

SOURCE NAME COMPLETE RESOURCES COMPANY		PROJECT NUMBER 92090	OBSERVATION DATE 6-23-95
LOCATION 11499 ROCKET BLVD ORLANDO, FL		OBSERVER'S NAME (PRINT) Byron Burrows	
PERMIT # ACAB-269149		CERTIFIED BY FDLP/ETA	DATE REC. 9-1-95
PROCESS Concrete Crusher - CRUSHER HOPPER		CONTROL EQUIPMENT —	
DESCRIBE EMISSION POINT AREA OF FEL DUMPING		START TIME 1138	STOP TIME 1211
EMISSION POINT HEIGHT ABOVE GROUND LEVEL ~15 ft		EMISSION POINT HEIGHT RELATIVE TO OBSERVER ~9 ft	
DISTANCE TO EMISSION POINT ~40 ft		DIRECTION TO EMISSION POINT NW	
DESCRIBE EMISSIONS NONE			
COLOR OF EMISSIONS —	CONTINUOUS —	FUGITIVE —	
WATER VAPOR PRESENT NO	IF YES, IS PLUME ATTACHED —	DETACHED —	
AT WHAT POINT WAS OPACITY DETERMINED LIP OF HOPPER			
DESCRIBE BACKGROUND SKY			
COLOR OF BACKGROUND GRAY	SKY CONDITIONS OVERCAST		
WIND SPEED 1-3 MPH	WIND DIRECTION SW		
AMBIENT TEMPERATURE ~80 F	RELATIVE HUMIDITY ~80%		
REMARKS		1 0 0 0 0 31	
		2 0 0 0 0 32	
		3 0 0 0 0 33	
		4 0 0 0 0 34	
		5 0 0 0 0 35	
		6 0 0 0 0 36	
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25 0 0 0 0 55			
26 0 0 0 0 56			
27 0 0 0 0 57			
28 0 0 0 0 58			
29 0 0 0 0 59			
30 0 0 0 0 60			
AVERAGE OPACITY 0%		RANGE OF OPACITY READINGS FROM — TO 0	
OBSERVER'S SIGNATURE <i>Byron Burrows</i>		DATE 6-23-95	

SOURCE LAYOUT SKETCH



STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

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THIS CERTIFICATE EXPIRES **Sep 1, 1995**

Edward C. H. S.
CERTIFICATE OFFICER

Byron Burrows
BEARER'S SIGNATURE

INIT MOD THE HNS

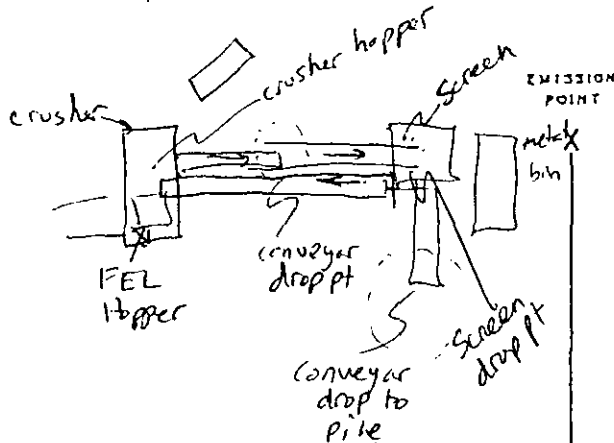
NONE

VISIBLE EMISSION OBSERVATION FORM

SOURCE NAME COMPLETE RESOURCES COMPANY		PROJECT NUMBER 92090																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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AT WHAT POINT WAS OPACITY DETERMINED AREA OF TREES ~ 6' ABOVE HOPPER OPENING																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

SOURCE LAYOUT SKETCH

TOP VIEW



STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

THIS IS TO CERTIFY THAT

BYRON BURROWS

BYRON BURROWS, has completed the
STATE OF FLORIDA visible emissions evaluation training and is a qualified
observer of visible emissions as specified by EPA reference method 9.

THIS CERTIFICATE EXPIRES

Edward T. Hansen
CERTIFICATE OFFICER

BEARER'S SIGNATURE

3017 MODANE KNS

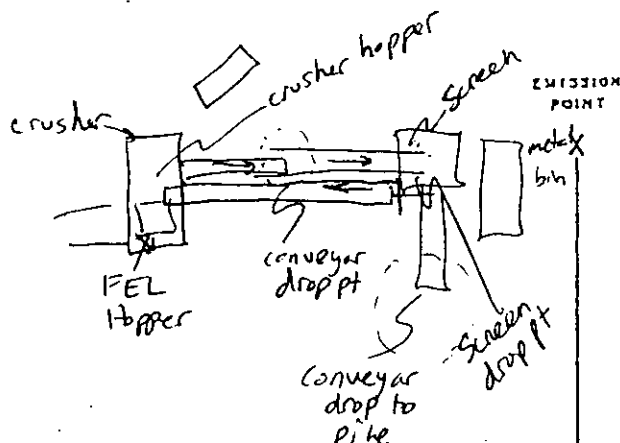
^{ns}NONE

VISIBLE EMISSION OBSERVATION FORM

SOURCE NAME COMPLETE RESOURCES COMPANY		PROJECT NUMBER 92090	
LOCATION 11499 Rocketland Orlando, FL		OBSERVER'S NAME (PRINT) Byron Burrows	
PERMIT # AC48-264149		CERTIFIED BY FDHP/ETA	
DATE EXP. 9-1-95			
PROCESS Concrete Crusher Conveyor for point		CONTROL EQUIPMENT	
DESCRIBE EMISSION POINT Point of material impact upon conveyor		START TIME 1312	
EMISSION POINT HEIGHT ABOVE GROUND LEVEL ~8 ft		STOP TIME 1404	
EMISSION POINT HEIGHT RELATIVE TO OBSERVER ~2 ft		DISTANCE TO EMISSION POINT ~40 ft	
DIRECTION TO EMISSION POINT SSW			
DESCRIBE EMISSIONS NONE			
COLOR OF EMISSIONS		CONTINUOUS _____ FUGITIVE INTERMITTENT _____	
WATER VAPOR PRESENT <input checked="" type="checkbox"/> YES		IF YES, IS PLUME ATTACHED _____ DETACHED _____	
AT WHAT POINT WAS OPACITY DETERMINED AREA ABOVE MATERIAL IMPACT			
DESCRIBE BACKGROUND SKY/TREES			
COLOR OF BACKGROUND GRAY/GREEN		SKY CONDITIONS OVERCAST	
WIND SPEED 2-5 MPH		WIND DIRECTION SW	
AMBIENT TEMPERATURE ~80°F		RELATIVE HUMIDITY ~80%	
REMARKS 1351 Delay 1352 resume test			

AVERAGE OPACITY 0%		RANGE OF OPACITY READINGS FROM _____ TO 0	
OBSERVER'S SIGNATURE 		DATE 6-23-95	

SOURCE LAYOUT SKETCH



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THIS CERTIFICATE EXPIRES

Edmund S. G. H. S.
CERTIFICATE OFFICER

B. B. Burns
BEARER'S SIGNATURE

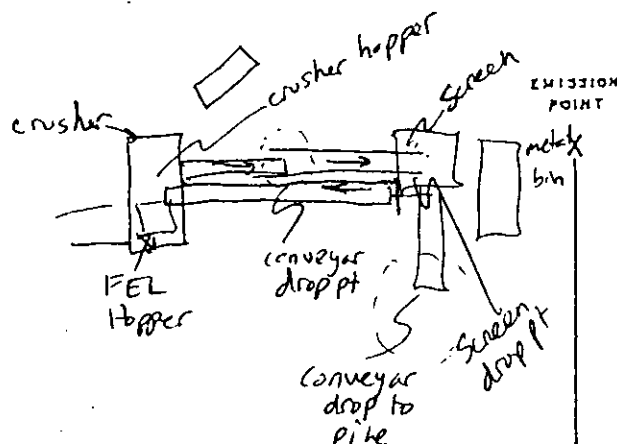
ЭТО ДОКУМЕНТ

¹¹NONE

VISIBLE EMISSION OBSERVATION FORM

SOURCE NAME COMPLETE RESOURCES COMPANY		PROJECT NUMBER 92090	OBSERVATION DATE 6-23-95
LOCATION 11499 Rocket Blvd Orlando, FL		OBSERVER'S NAME (PRINT) Byron Burrows	
PERMIT # AC48-264149		CERTIFIED BY FDEP/ETA	DATE EXP. 9-1-95
PROCESS Concrete Crusher Screen	CONTROL EQUIPMENT —	START TIME 1312 15 30 45 60	STOP TIME 1404 15 30 45 60
DESCRIBE EMISSION POINT SCREEN AGITATOR		1 0 0 0 0 31	
EMISSION POINT HEIGHT ABOVE GROUND LEVEL ~10-15 ft		2 0 0 0 0 32	
EMISSION POINT HEIGHT RELATIVE TO OBSERVER ~3-9 ft		3 0 0 0 0 33	
DISTANCE TO EMISSION POINT ~60 ft		4 0 0 0 0 34	
DIRECTION TO EMISSION POINT SW		5 0 0 0 0 35	
DESCRIBE EMISSIONS NONE		6 0 0 0 0 36	
COLOR OF EMISSIONS —		7 0 0 0 0 37	
CONTINUOUS FUGITIVE INTERMITTENT —		8 0 0 0 0 38	
WATER VAPOR PRESENT NO YES		9 0 0 0 0 39	
IF YES, IS PLUME ATTACHED DETACHED		10 0 0 0 0 40	
AT WHAT POINT WAS OPACITY DETERMINED AREA ABOVE SCREEN		11 0 0 0 0 41	
DESCRIBE BACKGROUND SKY/TREES		12 0 0 0 0 42	
COLOR OF BACKGROUND GRAY/GREEN		13 0 0 0 0 43	
SKY CONDITIONS OVERCAST		14 0 0 0 0 44	
WIND SPEED 2-5 MPH		15 0 0 0 0 45	
WIND DIRECTION SW		16 0 0 0 0 46	
AMBIENT TEMPERATURE ~80°F		17 0 0 0 0 47	
RELATIVE HUMIDITY ~80%		18 0 0 0 0 48	
REMARKS Delay 1331 Resume test 1352		19 0 0 0 0 49	
		20 0 0 0 0 50	
		21 0 0 0 0 51	
		22 0 0 0 0 52	
		23 0 0 0 0 53	
		24 0 0 0 0 54	
		25 0 0 0 0 55	
		26 0 0 0 0 56	
		27 0 0 0 0 57	
		28 0 0 0 0 58	
		29 0 0 0 0 59	
		30 0 0 0 0 60	
		AVERAGE OPACITY 0%	RANGE OF OPACITY READINGS FROM — TO 0
		OBSERVER'S SIGNATURE <i>Byron Burrows</i>	DATE 6-23-95

SOURCE LAYOUT SKETCH TOP VIEW



STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

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observer of visible emissions as specified by EPA reference method 9.
THIS CERTIFICATE EXPIRES

Edward S. Hines
CERTIFICATE OFFICER

Byron Burrows
OBSERVER'S SIGNATURE

INITIALS AND THE NAME

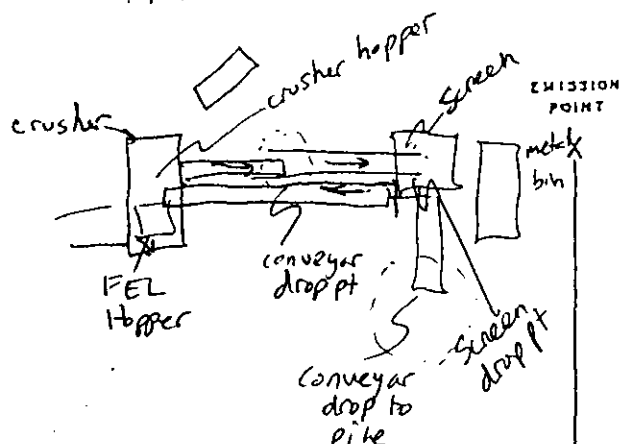
NONE

VISIBLE EMISSION OBSERVATION FORM

SOURCE NAME COMPLETE RESOURCES COMPANY (connected)		PROJECT NUMBER 92090	OBSERVATION DATE 6-23-95
LOCATION 11499 Rocket Blvd Orlando, FL		OBSERVER'S NAME (PRINT) Byron Burrows	
PERMIT ID AC48-264149		CERTIFIED BY FDOP/ETA DATE EXP. 9-1-95	
PROCESS conveyor to finished mat'l stockpile		CONTROL EQUIPMENT water spray	
DESCRIBE EMISSION POINT conveyor drop & pile area		START TIME 1312 STOP TIME 1404	
EMISSION POINT HEIGHT ABOVE GROUND LEVEL ~15-17 ft		EMISSION POINT HEIGHT RELATIVE TO OBSERVER ~10-12 ft	
DISTANCE TO EMISSION POINT ~25 ft		DIRECTION TO EMISSION POINT W	
DESCRIBE EMISSIONS NONE			
COLOR OF EMISSIONS ---		CONTINUOUS <input type="checkbox"/> FUGITIVE <input type="checkbox"/> INTERMITTENT <input type="checkbox"/>	
WATER VAPOR PRESENT NO		IF YES, IS PLUME ATTACHED <input type="checkbox"/> DETACHED <input type="checkbox"/>	
AT WHAT POINT WAS OPACITY DETERMINED AREA OF MATERIAL DROP			
DESCRIBE BACKGROUND SKY			
COLOR OF BACKGROUND GRAY		SKY CONDITIONS OVERCAST	
WIND SPEED 2-5 MPH		WIND DIRECTION SW	
AMBIENT TEMPERATURE ~80°F		RELATIVE HUMIDITY ~80%	
REMARKS water spray not activated due to wet material deeming it unnecessary 1331 Delay 1352 Resume			
AVERAGE OPACITY 0%		RANGE OF OPACITY READINGS FROM --- TO 0	
OBSERVER'S SIGNATURE <i>Byron Burrows</i>			DATE 6-23-95

SOURCE LAYOUT SKETCH

Top view

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

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THIS CERTIFICATE EXPIRES

Edward J. Hines
CERTIFICATE OFFICER

Byron Burrows
BEARER'S SIGNATURE

NONE

ENVIRONMENTAL ENGINEERING CONSULTANTS, INC.

VISIBLE EMISSION OBSERVATION FORM

SOURCE NAME COMPLETE RESOURCES COMPANY - Concrete Crusher		PROJECT NUMBER 92090	OBSERVATION DATE 6-23-95
LOCATION 11499 Rocket Blvd Orlando, FL		PERMIT NUMBER AC48-264149	
PROCESS FRONT END LOADER TO TRUCK LOADING		OBSERVER'S NAME (PRINT) Byron Burrows	
CONTROL EQUIPMENT ---		CERTIFIED BY FDEP/ETA EXP. 9-1-95	
START TIME 1234		STOP TIME 1506	
DESCRIBE EMISSION POINT AREA OF FRONT END LOADER TO TRUCK DROP		15 30 45 60 15 30 45 60	
EMISSION POINT HEIGHT ABOVE GROUND LEVEL ~15 ft		EMISSION POINT HEIGHT RELATIVE TO OBSERVER ~9 ft	
DISTANCE TO EMISSION POINT ~70 ft		DIRECTION TO EMISSION POINT SW	
DESCRIBE EMISSIONS NONE		1 0 0 0 0 31	
COLOR OF EMISSIONS ---		2 0 0 0 0 32	
CONTINUOUS INTERMITTENT ---		3 0 0 0 0 33	
WATER VAPOR PRESENT NO YES		4 0 0 0 0 34	
IF YES, IS PLUME ATTACHED DETACHED		5 0 0 0 0 35	
AT WHAT POINT WAS OPACITY DETERMINED LIP OF TRUCK BED/AREA OF DROP		6 0 0 0 0 36	
DESCRIBE BACKGROUND SKY		7 0 0 0 0 37	
COLOR OF BACKGROUND GREY		8 0 0 0 0 38	
SKY CONDITIONS OVERCAST		9 0 0 0 0 39	
WIND SPEED 2-5 mph		10 0 0 0 0 40	
WIND DIRECTION SW		11 0 0 0 0 41	
AMBIENT TEMPERATURE N80°F		12 0 0 0 0 42	
RELATIVE HUMIDITY ~80%		13 0 0 0 0 43	
REMARKS 3 buckets (Says/buckets) 2-3 min/truck		14 0 0 0 0 44	
		15 0 0 0 0 45	
		16 0 0 0 0 46	
		17 0 0 0 0 47	
		18 0 0 0 0 48	
		19 0 0 0 0 49	
		20 0 0 0 0 50	
		21 0 0 0 0 51	
		22 0 0 0 0 52	
		23 0 0 0 0 53	
		24 0 0 0 0 54	
		25 0 0 0 0 55	
		26 0 0 0 0 56	
		27 0 0 0 0 57	
		28 0 0 0 0 58	
		29 0 0 0 0 59	
		30 0 0 0 0 60	
		AVERAGE OPACITY 0%	
		RANGE OF OPACITY READINGS FROM --- TO 0	
		OBSERVER'S SIGNATURE Byron Burrows	
		DATE 6-23-95	

observer **X** SOURCE LAYOUT SKETCH

EMISSION POINT
X

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

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has completed the
STATE OF FLORIDA visible emissions evaluation training and is a qualified
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THIS CERTIFICATE EXPIRES **Sep 1, 1995**

Edward S. S. S.
CERTIFICATE OFFICER

Byron Burrows
BEARER'S SIGNATURE

VISIBLE EMISSION OBSERVATION FORM

SOURCE NAME COMPLETE RESOURCES COMPANY		PROJECT NUMBER 92096	OBSERVATION DATE 6-23-95																																																																																																																																																																																																																																																																																							
LOCATION 11499 Rocket Blvd Orlando, FL		OBSERVER'S NAME (PRINT) Byron Burrows																																																																																																																																																																																																																																																																																								
PERMIT # AC48-264149		CERTIFIED BY FDSP/LTA DATE 9-1-95																																																																																																																																																																																																																																																																																								
PROCESS Concrete Crusher plant Diesel Generator	CONTROL EQUIPMENT —	START TIME 1405	STOP TIME 1435																																																																																																																																																																																																																																																																																							
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<div style="text-align: center;"> <p>STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION</p> <p>THIS IS TO CERTIFY THAT</p> <p>BYRON BURROWS, has completed the STATE OF FLORIDA visible emissions evaluation training and is a qualified observer of visible emissions as specified by EPA reference method 9.</p> <p>THIS CERTIFICATE EXPIRES</p> <p><i>Edward S. Davis</i> CERTIFICATE OFFICER <i>Byron Burrows</i> BEARER'S SIGNATURE</p> </div>																																																																																																																																																																																																																																																																																										

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