



ENVIRONMENTAL ENGINEERING CONSULTANTS, INC.

Consulting

Engineers • Environmental Scientists

DER - MAIL ROOM

DEC 23 PM 12:31

LETTER OF TRANSMITTAL

TO Florida Department of Environmental Regulation
Twin Towers Office Bldg.
2600 Blair Stone Road
Tallahassee, FL. 32399-2400

DATE	December 22, 1992	JOB NO.	92090
RE:	Portable Concrete Crusher		

GENTLEMEN:

WE ARE SENDING YOU
☐ Shop Drawings

☒ Attached
☐ Prints

☐ Permit Applications
☐ Plans

☐ Report
☐ Samples

☐ Review Fees
☐ Specifications

COPIES	NO	DESCRIPTION
4		Applications for Portable Concrete Crusher
1		Check for \$250.00 for application fee

THESE ARE TRANSMITTED as checked below:

☐ For approval

☒ For Your use

☐ As requested

REMARKS This application is for a statewide permit.

If you have any questions or comments, please feel free to call me at
1-800-229-3781.

COPY TO file

SIGNED: Ann Russo, Permit Specialist

5119 N. FLORIDA AVENUE • P.O. BOX 7854 • TAMPA FLORIDA 33603 (813) 237-3781



QUESTIONS? CALL 800-238-5355 TOLL FREE

AIRBILL
PACKAGE
TRACKING NUMBER

5480399912

229071

5480399912

Date

12-22-92

RECIPIENT'S COPY

From (Your Name) Please Print James Wm. Estler		Your Phone Number (Very Important) (413) 237-3783		To (Recipient's Name) Please Print Florida Department of 9		Recipient's Phone Number (Very Important) 804 488-8163	
Company ENVIRONMENTAL ENGINEERING CONS		Department/Floor No. 1		Company Environmental Regulation		Department/Floor No. 1	
Street Address 5119 N FLORIDA AVE				Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes.) 2600 blair Stone Rd. Twin Towers Bldg.			
City TAMPA		State FL		City Tallahassee		State FL	
ZIP Required 33603		ZIP Required 32399-2400					
YOUR INTERNAL BILLING REFERENCE INFORMATION (optional) (First 24 characters will appear on invoice.) 92090				IF HOLD FOR PICK-UP, Print FEDEX Address Here Street Address City State ZIP Required			
PAYMENT 1 <input checked="" type="checkbox"/> Bill Sender 2 <input type="checkbox"/> Bill Recipient's FedEx Acct No 3 <input type="checkbox"/> Bill 3rd Party FedEx Acct No 4 <input type="checkbox"/> Bill Credit Card 5 <input type="checkbox"/> Cash/Check							
SERVICES (Check only one box) 11 <input type="checkbox"/> OTHER PACKAGING 16 <input type="checkbox"/> FEDEX LETTER 12 <input checked="" type="checkbox"/> FEDEX PAK 13 <input type="checkbox"/> FEDEX BOX 14 <input type="checkbox"/> FEDEX TUBE 30 <input type="checkbox"/> ECONOMY 70 <input type="checkbox"/> OVERNIGHT FREIGHT 80 <input type="checkbox"/> TWO-DAY FREIGHT				DELIVERY AND SPECIAL HANDLING (Check services required) HOLD FOR PICK-UP (Fill in Box H) { 1 <input type="checkbox"/> WEEKDAY or 31 <input type="checkbox"/> SATURDAY DELIVER { 2 <input checked="" type="checkbox"/> WEEKDAY or 3 <input type="checkbox"/> SATURDAY (Extra charge) (Not available to all locations) 4 <input type="checkbox"/> DANGEROUS GOODS (Extra charge) 5 <input type="checkbox"/> 6 <input type="checkbox"/> DRY ICE (Dangerous Goods Shipper's Declaration not required) 7 <input type="checkbox"/> OTHER SPECIAL SERVICE 9 <input type="checkbox"/> SATURDAY PICK-UP (Extra charge) 12 <input type="checkbox"/> HOLIDAY DELIVERY (If offered) (Extra charge)			
DIM SHIPMENT (Chargeable Weight) L x W x H 1 <input type="checkbox"/> Regular Stop 3 <input type="checkbox"/> Drop Box 2 <input type="checkbox"/> Call Stop 4 <input type="checkbox"/> B.S.C. 5 <input type="checkbox"/> Station				Emp. No. _____ Date _____ Federal Express Use <input type="checkbox"/> Cash Received <input type="checkbox"/> Return Shipment <input type="checkbox"/> Third Party <input type="checkbox"/> Chg To Del. <input type="checkbox"/> Chg To Hold Street Address _____ City _____ State _____ Zip _____ Received By: X Date/Time Received _____ FedEx Employee Number _____ Release Signature: _____			
Basic Charges Declared Value Charge Other 1 Other 2 Total Charges REVISION DATE 6/92 PART #137204 FXEM 9/92 FORMAT #136 136 © 1991-92 FEDEX PRINTED IN U.S.A.							

D. J. VASU
37825 LORIE BLVD. PH. 216-934-5488
AVON, OHIO 44011
702 OLD DARBY ST. PH. 813-681-5997
SEFFNER, FL 33584

2403

12/22 1992

6-1543/410

PAY TO THE ORDER OF F. D. E. L.

\$ 250.⁰⁰/₁₀₀

TWO HUNDRED FIFTY AND ⁰⁰/₁₀₀

DOLLARS

BANK ONE.
BANK ONE, CLEVELAND, NA
Westlake Office
Westlake, Ohio 44145

MEMO STATE LINE PERMIT

⑆04⑆015436⑆

8003607621⑆ 2403

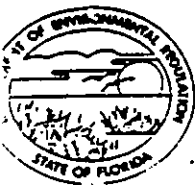
Original check was
sent to FEA on
12-24-92.

Thank
Barbara
(mail room)

RECEIVED

DEC 24 1992

Division of Air
Resources Management



Florida Department of Environmental Regulation

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

DER Form #	RECEIVED
Form Title	DER - MAIL ROOM
Effective Date	
DER Application No.	1987 DEC 23 11 12 31

AC24-223724

#250 pd,
12-23-90
Recpt #180939

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Portable Concrete Crushing Facility ☒ 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
Locations.

North

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: [Signature]

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

Date: 12/22/92 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 ~~designed~~/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)

DER Form 17-1.202(1)

Effective October 31, 1982

Page 1 of 12

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: 12/21/92

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 without control, see Section V, Item XXX~~

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:

6. Operating Costs:

7. Energy:

8. Maintenance Cost:

9. Emissions:

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 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:

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).

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.

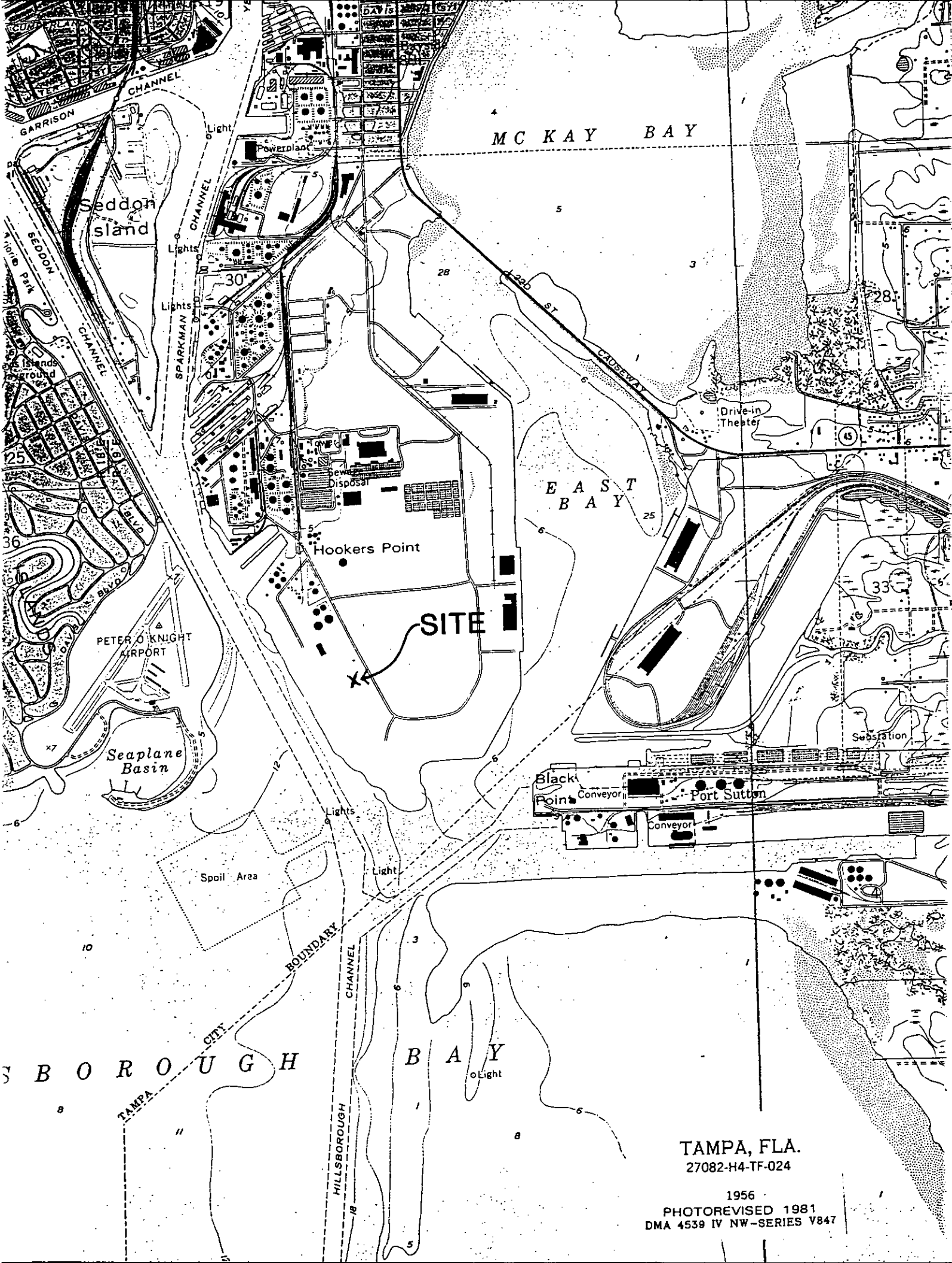
G. Discuss the social and economic impact of the selected technology versus other applicable technologies (i.e., jobs, payroll, production, taxes, energy, etc.). Include assessment of the environmental impact of the sources.

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	27° 54' 47"	17-358.5E
4101 Maritime Blvd.	82° 26' 18"	3088.2N
Tampa		

EEC#920901.



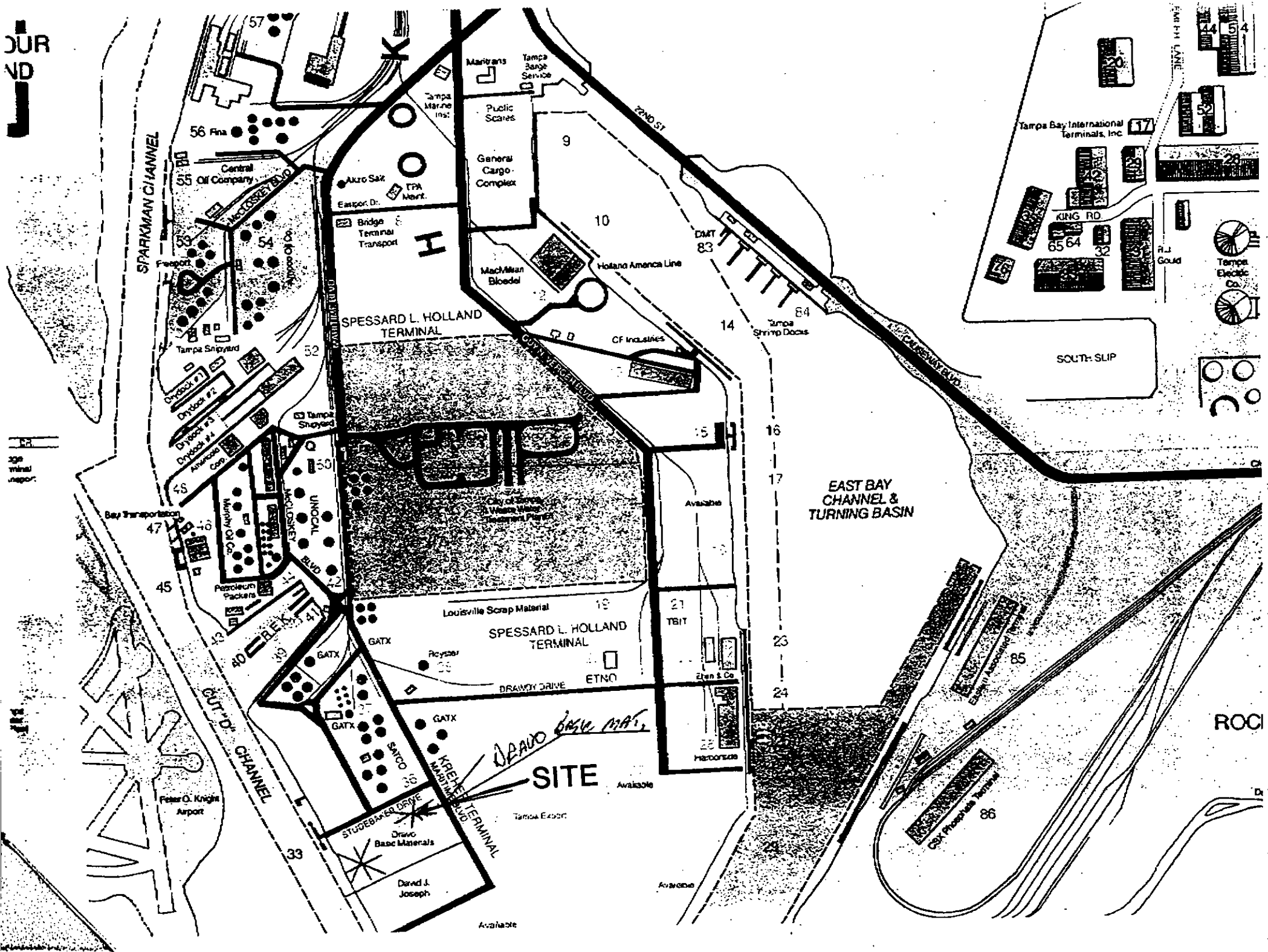
TAMPA, FLA.

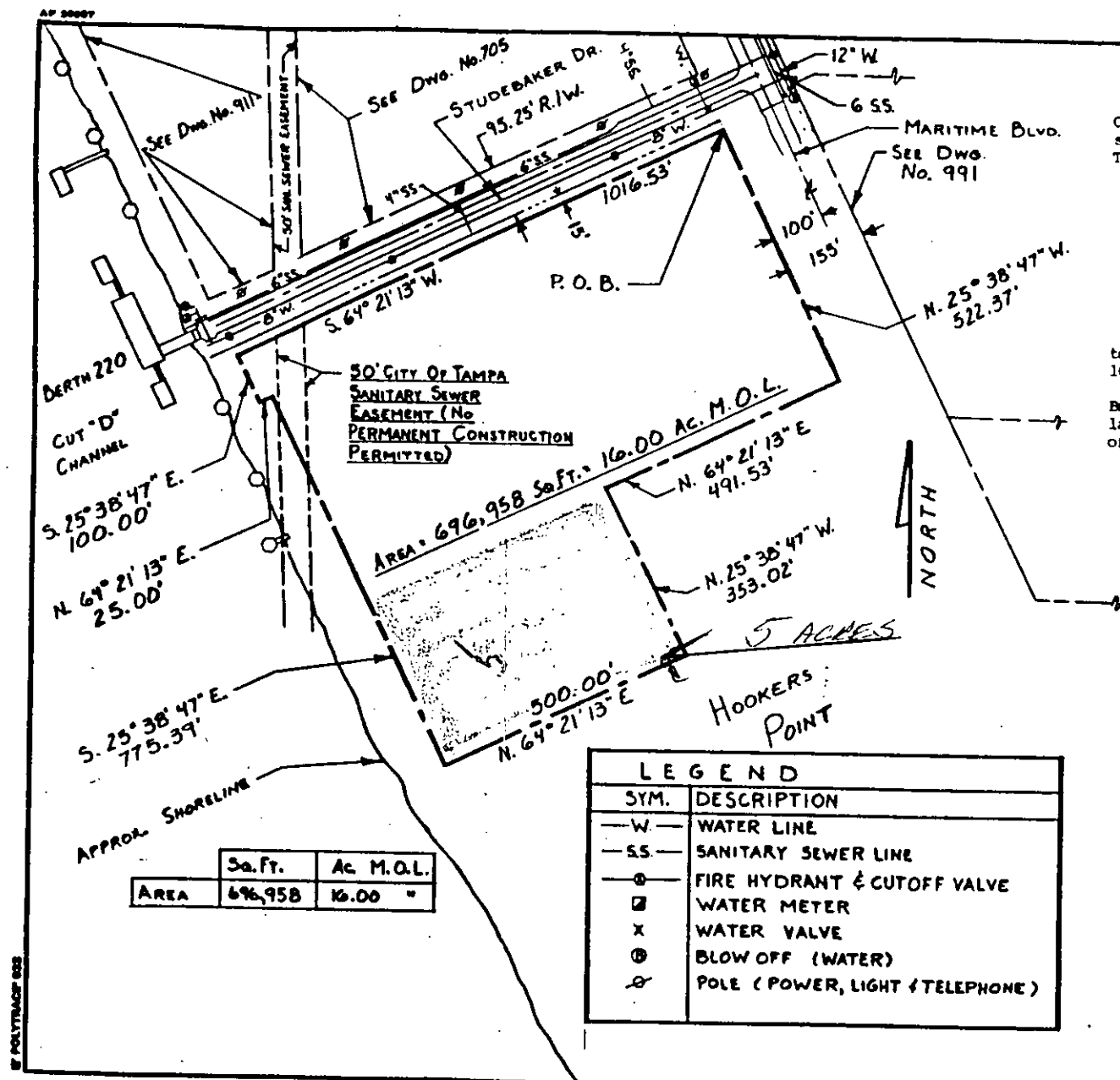
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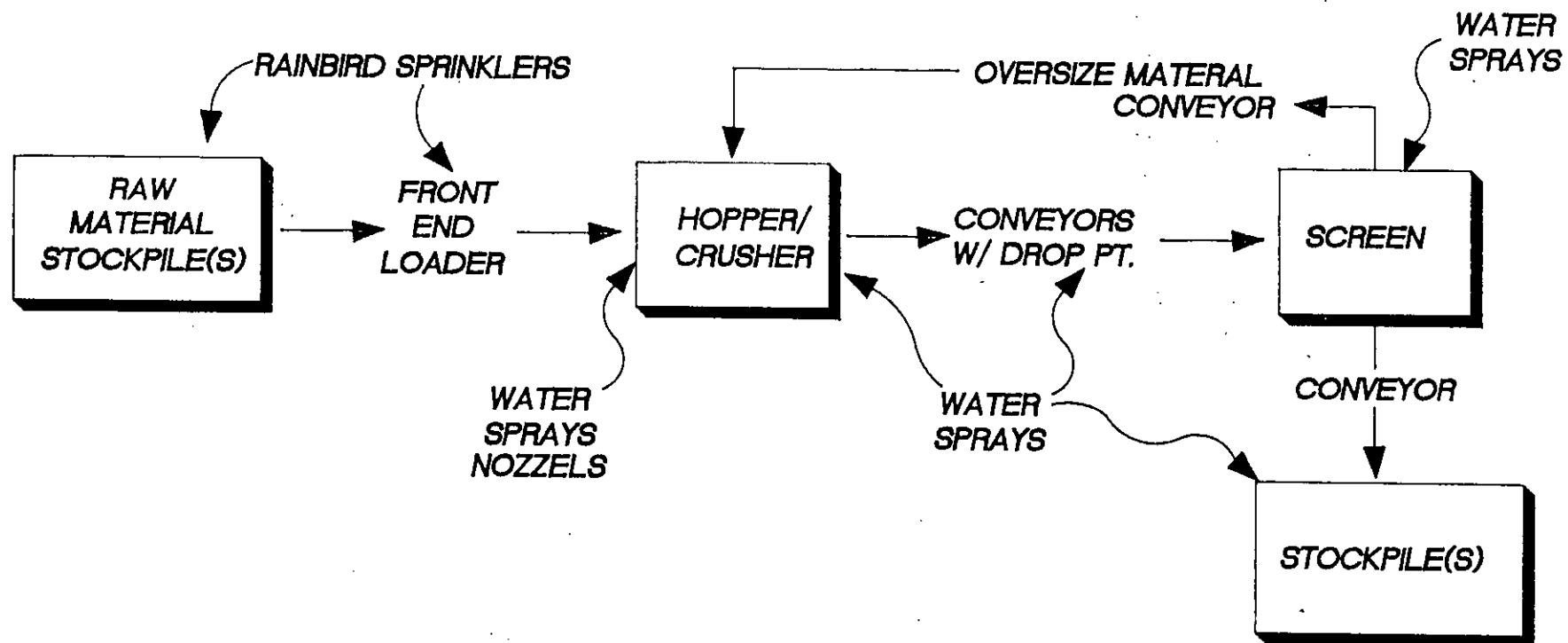




	BY	DATE	PROJECT NO.
DRAWN	J.L.T.	1-4-85	SCALE
CHECKED	J.J.	1-9-85	0" = 120' 200'
			DRAWING NO. 1015

FLOW DIAGRAM

COMPLETE RESOURCES COMPANY



COMPLETE RESOURCES COMPANY

EMISSIONS CALCULATIONS

	Rate (TPH)	AP-42 Emission Factor (lb/ton)	Water Spray (Eff. %)	Emissions (lbs/hr)	Emissions 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.

CERTIFIED MAIL
P 402 739 393

RECEIVED
JUL 11 1992

INTENT TO ISSUE
BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
ENVIRONMENTAL ENGINEERING
CONSULTANTS, INC.

In the Matter of an
Application for Permit by:
Complete Resources
702 Old Darby Street
Seffner, Florida 33584

Orange County - AP
Concrete Crushing Facility

Attention: Dave Vasu, Vice President

DER File Number 217048

INTENT TO ISSUE

The Central District Office of the Department of Environmental Regulation hereby gives notice of its intent to issue a permit (draft copy enclosed) for the proposed project as detailed in the application specified above. The Central District is issuing this Intent to Issue for the reasons stated below.

The applicant, Complete Resources, applied on July 30, 1992 to the Department of Environmental Regulation for a permit to construct a concrete crushing facility which is a source of air emissions. This source is located at 11301 Rocket Boulevard, Orlando, Orange County, Florida.

The department has permitting jurisdiction under Section 403 Florida Statutes (F.S.) and Chapter 17-4.210 and 17-2.210, Florida Administrative Code (F.A.C.). The project is not exempt from permitting procedures. The department has determined that a construction permit is required for the proposed work.

Pursuant to Section 403.815, F.S. and DER Rule 17-103.150, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Notice

of Intent to Issue Permit. The Notice must be published one time only within thirty (30) days, in the legal ad section of a local newspaper of general circulation in the area affected. For the purpose of this rule, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. The applicant shall provide proof of publication to the Central District Office of the Department within seven (7) days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit.

The department will issue the permit with the attached conditions unless petition for an administrative proceeding (hearing) is filed pursuant to the provisions of Section 120.57, F.S.

A person whose substantial interests are affected by the department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant and the parties listed below must be filed within fourteen (14) days of receipt of this intent. Petitions filed by other persons must be filed within fourteen (14) days of publication of the public notice or within fourteen (14) days of their receipt of this intent, whichever first occurs. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

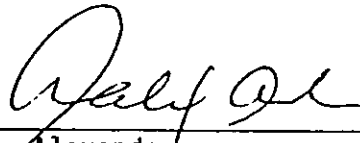
The Petition shall contain the following information;

(a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed; (b) A statement of how and when each petitioner received notice of the Department's action or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the material facts disputed by Petitioner, if any; (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action; (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.


If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this intent. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within fourteen (14) days of receipt of this intent, in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

cmc 
A. Alexander
District Director
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803
(407) 894-7555

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to
Section 120.52, Florida Statutes,
with the designated Department
Clerk, receipt of which is hereby
acknowledged.


Clerk Date 11/16/92

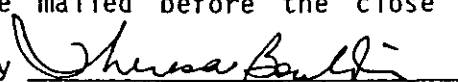
AY
AA/azt

Enclosures: Draft Permit
Notice of Intent

Copies furnished to:

Dennis Nester
Robert Wallace, P.E. ✓

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this
NOTICE OF INTENT TO ISSUE and all copies were mailed before the close of
business on 11/10/92 to the listed persons by .

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
NOTICE OF INTENT TO ISSUE PERMIT

The Department of Environmental Regulation gives notice of its intent to issue a permit to Complete Resources, 702 Old Darby Street, Seffner, Florida 33584 to construct a concrete crushing facility which is a source of air emissions. This source is located at 11301 Rocket Boulevard, Orlando, Orange County, Florida. The department has assigned File Number 217048 to the project.

A person whose substantial interests are affected by the department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes (F.S.). The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) pursuant to Section 120.57, F.S.

The petition shall contain the following information; (a) the name, address and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed; (b) A statement of how and when each petitioner received notice of the department's action or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the department's action or proposed action; (d) A statement of the material facts disputed by Petitioner, if any; (e) A statement of facts which petitioner contends warrant reversal or modification of the department's action or proposed action; (f) A statement of which rules or statutes petitioner contends require reversal or modification of the department's action or proposed action; and (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the department to take with respect to the department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207 Florida Administrative Code.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday except legal holidays, at Department of Environmental Regulation, 3319 Maguire Boulevard, Suite 232, Orlando, Florida.



Florida Department of Environmental Regulation

Central District • 3319 Maguire Boulevard, Suite 232 • Orlando, Florida 32803-3767

Lawton Chiles, Governor

Carol M. Browner, Secretary

Permittee:
Complete Resources
702 Old Darby Street
Seffner, FL 32584

Attention: Dave Vasu, Vice President

I. D. Number:
Permit/Certification
Number: AC48-217048
Date of Issue:
Expiration Date: May 30, 1994
County: Orange
Latitude/Longitude:
28°24'56"N/81°23'27"W
UTM: 17-461.7 KmE; 3143.13 KmN
Project: Concrete Crushing Facility

DRAFT

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

The permittee can construct a concrete crushing facility consisting of a hopper, a Hazemag crusher, Tyler screen, and conveyors. Particulate emissions are controlled by water sprays at the stockpiles, front end loader area, hopper, crusher drop point, conveyor transfer point, screen, and finish material stockpile.

This source is located at 11301 Rocket Boulevard, Orlando, Orange County, Florida.

General Conditions are attached to be distributed to the permittee only.

PERMITTEE:
Complete Resources

I. D. Number:
Permit/Certification Number:
AC48-217048
Date of Issue:
Expiration Date: May 30, 1994

DRAFT

Attention: Dave Vasu, Vice President

GENERAL CONDITIONS:

16. No objectionable odors will be allowed, as per Rule 17-2.620(2), F.A.C.
17. This permit does not preclude compliance with any applicable local permitting requirements and regulations.

SPECIFIC CONDITIONS:

OPERATING CONDITIONS

1. The permitted product rate is 150 tons/hour.
2. This source is permitted to operate 8 hrs/day, 7 days/week, and 52 weeks/yr.
3. The water sprays must be properly operated and maintained (Rule 17-2.210(2) F.A.C.). No person shall circumvent any pollution control device or allow the emissions of air pollutants without the applicable air pollution control device operating properly (Rule 17-2.240 F.A.C.).

EMISSIONS LIMITS

4. The visible emissions for this facility must comply with Rule 17-2.610(2) F.A.C. (20% opacity limit) and the compliance test must be conducted in accordance with Rule 17-2.700(6)(b)9, (DER Method #9) F.A.C.

COMPLIANCE TESTING

5. Each source must be tested in accordance with DER Method 9 within 30 days after being placed in operation. For any other approved method to be utilized, the department must give prior written approval.
6. Orange County Environmental Protection Department shall be notified at least fifteen (15) days in advance of the compliance tests so that they may be witnessed.
7. This source shall be compliance tested at the maximum rate the permittee wishes to be placed in the operation permit, not to exceed 150 tons/hour.

PERMITTEE:
Complete Resources

I. D. Number:
Permit/Certification Number:
AC48-217048
Date of Issue:
Expiration Date: May 30, 1994

DRAFT

Attention: Dave Vasu, Vice President

SPECIFIC CONDITIONS:
(Continued)

8. The required test report shall be filed with Orange County Environmental Protection Department as soon as practical but no later than 45 days after the last test is completed.

EXPIRATION DATE

9. The construction shall reasonably conform to the plans and schedule submitted in the application. If the permittee is unable to complete construction on schedule, he must notify the Department in writing 60 days prior to the expiration of the construction permit and submit a new request for an extension of the construction permit. (Rule 17-4.09 Florida Administrative Code).

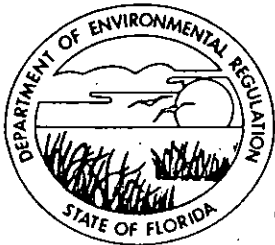
An operating permit is required for operation of this source. To obtain an operating permit, the permittee must demonstrate compliance with the conditions of the construction permit and submit the application fee, along with compliance test results and Certification of Completion of Construction to the Department's Central Florida District office 60 days prior to the expiration date of the construction permit.

This permit will expire May 30, 1994 or six months after construction is completed and the source is placed in operation, whichever date occurs first.

ISSUED _____

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

A. Alexander, District Director
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803



Florida Department of Environmental Regulation

Central District • 3319 Maguire Boulevard, Suite 232 • Orlando, Florida 32803-3767

Lawton Chiles, Governor

Carol M. Browner, Secretary

NOTICE OF PERMIT ISSUANCE

RECEIVED
DEC 03 1992

CERTIFIED MAIL
P 402 739 394

ENVIRONMENTAL ENGINEERING
CONSULTANTS, INC.

Complete Resources
702 Old Darby Street
Seffner, Florida 32584

Attention: Dave Vasu, Vice President

Orange County - AP
Concrete Crushing Facility

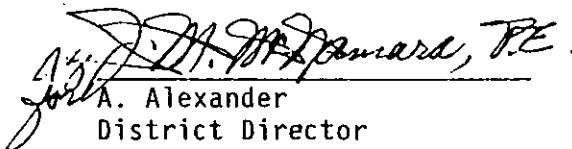
Dear Mr. Vasu:

Enclosed is Permit Number AC48-217048 to construct the above referenced source issued pursuant to Section(s) 403.087, Florida Statutes.

Any party to the Order has the right to seek judicial review of the Order 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 the Final Order is filed with the Clerk of the Department.

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


J. A. Alexander
District Director
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803

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

James B. Bouki 12/2/92
Clerk Date

13
AA/azt

Copies furnished to:

Dennis Nester
Robert Wallace, P.E. ✓

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT ISSUANCE and all copies
were mailed before the close of business on December 2, 1992 to the
listed persons, by Cheresa Bouli.



Florida Department of Environmental Regulation

Central District • 3319 Maguire Boulevard, Suite 232 • Orlando, Florida 32803-3767

Lawton Chiles, Governor

Carol M. Browner, Secretary

Permittee:
Complete Resources
702 Old Darby Street
Seffner, FL 32584

Attention: Dave Vasu, Vice President

I. D. Number:
Permit/Certification
Number: AC48-217048
Date of Issue:
Expiration Date: May 30, 1994
County: Orange
Latitude/Longitude:
28°24'56"N/81°23'27"W
UTM: 17-461.7 KmE; 3143.13 KmN
Project: Concrete Crushing Facility

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

The permittee can construct a concrete crushing facility consisting of a hopper, a Hazemag crusher, Tyler screen, and conveyors. Particulate emissions are controlled by water sprays at the stockpiles, front end loader area, hopper, crusher drop point, conveyor transfer point, screen, and finish material stockpile.

This source is located at 11301 Rocket Boulevard, Orlando, Orange County, Florida.

General Conditions are attached to be distributed to the permittee only.

PERMITTEE:
Complete Resources

I. D. Number:
Permit/Certification Number:
AC48-217048
Date of Issue:
Expiration Date: May 30, 1994

Attention: Dave Vasu, Vice President

GENERAL CONDITIONS:

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17. This permit does not preclude compliance with any applicable local permitting requirements and regulations.

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OPERATING CONDITIONS

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2. This source is permitted to operate 8 hrs/day, 7 days/week, and 52 weeks/yr.
3. The water sprays must be properly operated and maintained (Rule 17-2.210(2) F.A.C.). No person shall circumvent any pollution control device or allow the emissions of air pollutants without the applicable air pollution control device operating properly (Rule 17-2.240 F.A.C.).

EMISSIONS LIMITS

4. The visible emissions for this facility must comply with Rule 17-2.610(2) F.A.C. (20% opacity limit) and the compliance test must be conducted in accordance with Rule 17-2.700(6)(b)9, (DER Method #9) F.A.C.

COMPLIANCE TESTING

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6. Orange County Environmental Protection Department shall be notified at least fifteen (15) days in advance of the compliance tests so that they may be witnessed.
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PERMITTEE:
Complete Resources

I. D. Number:
Permit/Certification Number:
AC48-217048
Date of Issue:
Expiration Date: May 30, 1994

Attention: Dave Vasu, Vice President

SPECIFIC CONDITIONS:
(Continued)

8. The required test report shall be filed with Orange County Environmental Protection Department as soon as practical but no later than 45 days after the last test is completed.

EXPIRATION DATE

9. The construction shall reasonably conform to the plans and schedule submitted in the application. If the permittee is unable to complete construction on schedule, he must notify the Department in writing 60 days prior to the expiration of the construction permit and submit a new request for an extension of the construction permit. (Rule 17-4.09 Florida Administrative Code).

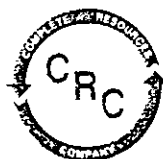
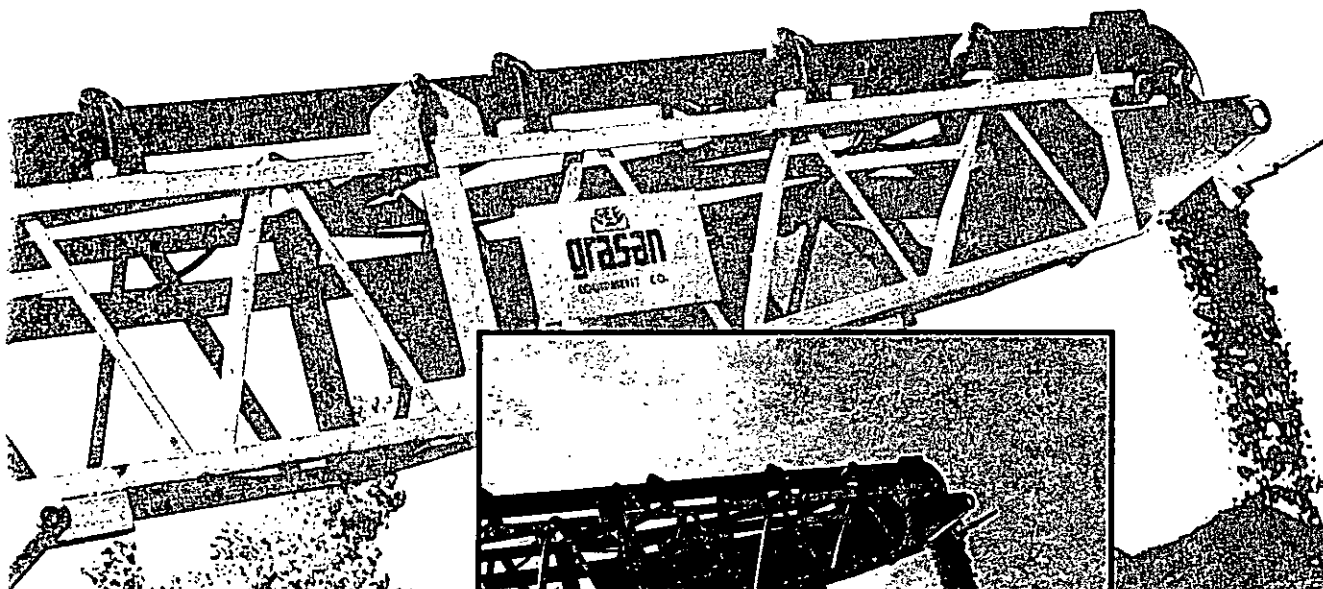
An operating permit is required for operation of this source. To obtain an operating permit, the permittee must demonstrate compliance with the conditions of the construction permit and submit the application fee, along with compliance test results and Certification of Completion of Construction to the Department's Central Florida District office 60 days prior to the expiration date of the construction permit.

This permit will expire May 30, 1994 or six months after construction is completed and the source is placed in operation, whichever date occurs first.

ISSUED 12-2-92

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

13 J. D. M. Alexander, P.E.
for A. Alexander, District Director
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803



Complete Resources Company

Custom Crushing & Recycling
Your Location Or Ours

DAVE VASU, VICE PRESIDENT
SOUTHERN DIVISION

BUS.: 813-681-9492
DIG. PAGER: 969-8904
MOB.: 240-8133

702 OLD DARBY ST.
SEFFNER, FL 33584

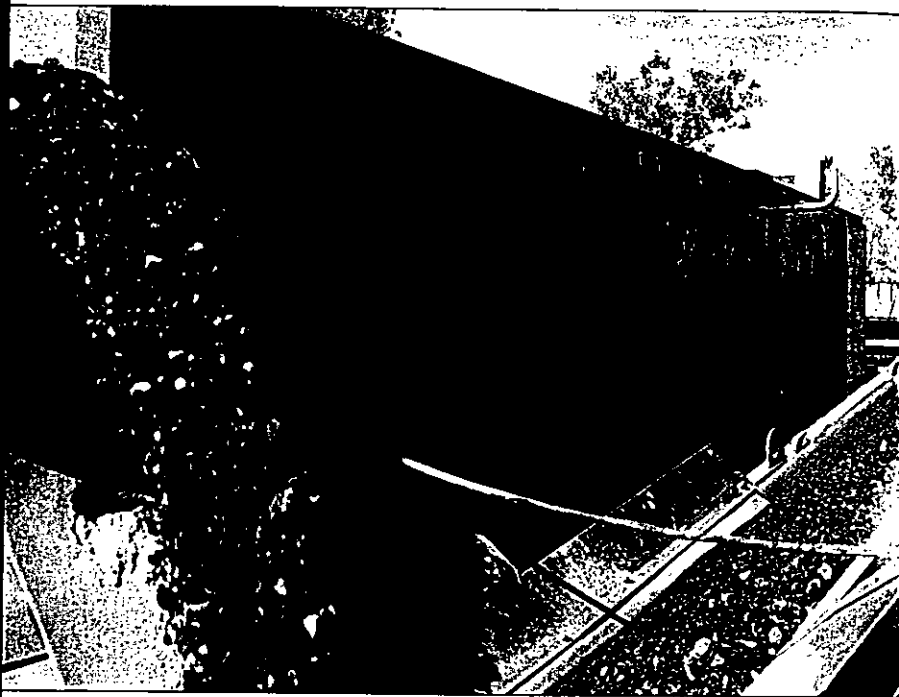
COMPLETE RESOURCES Co.



ABOUT COMPLETE RESOURCES

Complete Resources began business in 1988 with the idea that the need for recycling America's deteriorated infrastructure was inevitable.

Since that time a variety of projects from interstate highways to city streets to private-site demolition have resulted in over a million tons of materials being recycled into usable aggregates rather than placed in already crowded landfills.



A wide variety of functional aggregate materials can be produced from rubble normally dumped into landfills

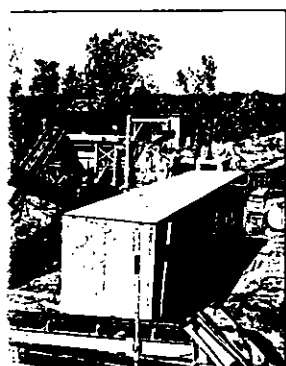


Radial stacking conveyors stockpile finished products

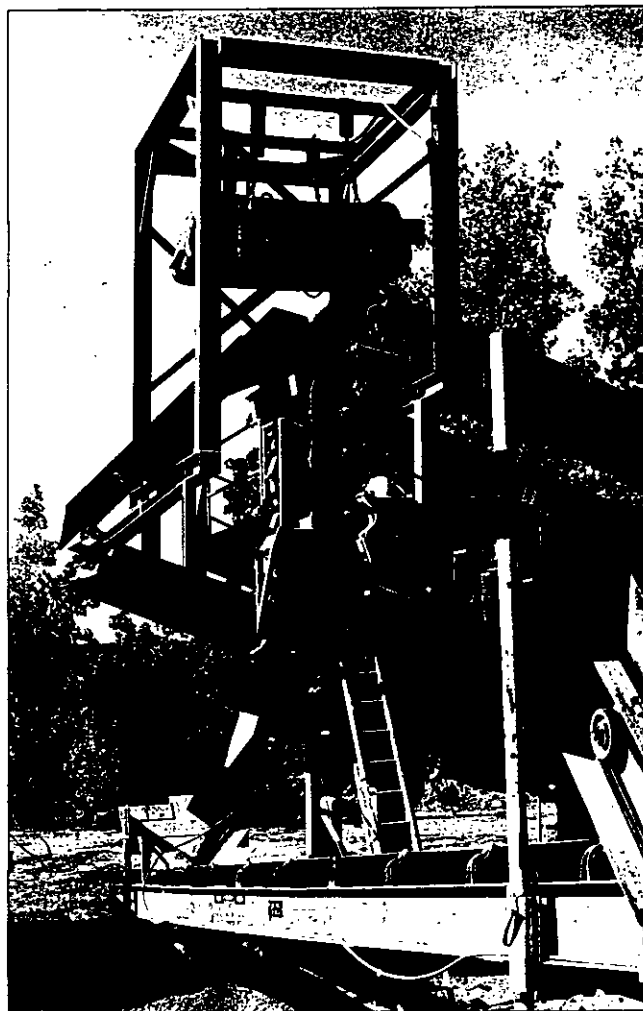


Plants are self-loading for a





maintained with no need
any power



An electro magnet removes rebar and
wiremesh from reinforced concrete



Rubble is fed into a large impact breaker designed
specifically for recycling



APABILITIES

Our team, with over 70 years of combined aggregate processing experience, enables Complete Resources to tackle a wide range of custom crushing/recycling projects.

Sand, gravel, limestone and other aggregate products are among an extensive list of materials which Complete Resources can process in addition to traditional recyclable products of asphalt, concrete, brick and block.

Each project is tailored to the customer's specifications and requirements.

CUSTOMER QUOTES

"Complete Resources answered a critical need when we needed to recycle materials. Their on-time and on budget service helped make us more profitable."

Bill Igel
George J. Igel & Co., Inc.

"We had a real mess on our hands when we needed to crush brick, block, asphalt and concrete in the same job. Complete Resources really is a complete source for every crushing problem ... they can do it all."

Mark Kroth
Alcon Demolition

D. J. VASU
37825 LORIE BLVD. PH. 216-934-5488
AVON, OHIO 44011
702 OLD DARBY ST. PH. 813-681-5997
SEFFNER, FL 33584

2403

12/22/92

6-1543/410

PAY TO THE
ORDER OF

F. G. E. L.

\$ 250.⁰⁰/₁₀₀

TWO HUNDRED FIFTY AND ⁰⁰/₁₀₀ DOLLARS

BANK ONE.
BANK ONE, CLEVELAND, NA
Westlake Office
Westlake, Ohio 44145

MEMO STATE LINE PERMIT

[Signature]

⑆04⑆015436⑆ 800360762⑆ 2403

RECEIVED
FBI. RES. MGA
DEC 28 1992