8-17-81

7601 HIGHWAY 301 NORTH
TAMPA, FLORIDA 33610

BOB GRAHAM
GOVERNOR

[illegible]
SECRETARY

WILLIAM K. HENNESSEY
DISTRICT MANAGER

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHWEST DISTRICT

Hillsborough County AP

Mr. Lonnie A. Payne
Gulf Coast Lead Company
1901 N. 66th Street
Tampa, Fla. 33619

Dear Mr. Payne:

Enclosed is Permit Number AO29-41831 dated August 17, 1981, to operate the subject air pollution source issued pursuant to Section 403, Florida Statutes.

Should you object to this permit, including any and all of the conditions contained therein, you may file an appropriate petition for administrative hearing. This petition must be filed within fourteen (14) days of the receipt of this letter. Further, the petition must conform to the requirements of Section 28-5.201, Florida Administrative Code, (see reverse side of this letter). The petition must be filed with the Office of General Counsel, Department of Environmental Regulation, Twin Towers Office Building, 2600 Blair Stone Road, Tallahassee, Florida 32301.

If no petition is filed within the prescribed time, you will be deemed to have accepted this permit and waived your right to request an administrative hearing on this matter.

Acceptance of the permit constitutes notice and agreement that the Department will periodically review this permit for compliance, including site inspections where applicable, and may initiate enforcement action for violation of the conditions and requirements thereof.

Sincerely,

W.K. Hennessey
District Manager

cc: Record Center
Robert E. Wallace, P.E.
HCEPC
Enclosure

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHWEST DISTRICT
7601 HIGHWAY 301 NORTH
TAMPA, FLORIDA 33610

APPLICANT:

Gulf Coast Lead Company
1901 N. 66th Street
Tampa, Fla. 33619

PERMIT/CERTIFICATION
NO. AO29-41831

COUNTY: Hillsborough

PROJECT: Dust Collector for Blast & Slag Furnaces Secondary Emissions

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

For the operation of enclosure hoods for slag and lead tap points for the blast furnace and a slagging furnace slag tap enclosure hood all exhausting thru a baghouse to a stack.

Located at 1901 N. 66th Street, Tampa.

UTM: 17-364.0E 3093.5N

Replaces Permit NO: AC29-35694 NEDS NO: 0057 Point ID: ~~02~~ 04

JC
11/21/84

Expires: April 20, 1986

PERMIT NO.: AO29-41831
APPLICANT: Gulf Coast Lead Company

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions:, and as such are binding upon the permittee and enforceable pursuant to the authority of Section 403.161(1), Florida Statutes. Permittee is hereby placed on notice that the department will review this permit periodically and may initiate court action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

2. This permit is valid only for the specific processes and operations indicated in the attached drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit shall constitute grounds for revocation and enforcement action by the department.

3. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information: (a) a description of and cause of non-compliance; and (b) the period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

4. As provided in subsection 403.087(6), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

5. This permit is required to be posted in a conspicuous location at the work site or source during the entire period of construction or operation.

6. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Section 403.111, F.S.

7. In the case of an operation permit, permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

8. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant, or aquatic life or property and penalities therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, except where specifically authorized by an order from the department granting a variance or exception from department rules or state statutes.

9. This permit is not transferable. Upon sale or legal transfer of the property or facility covered by this permit, the permittee shall notify the department within thirty (30) days. The new owner must apply for a permit transfer within thirty (30) days. The permittee shall be liable for any non-compliance of the permitted source until the transferee applies for and receives a transfer of permit.

10. The permittee, by acceptance of this permit, specifically agrees to allow access to permitted source at reasonable times by department personnel presenting credentials for the purposes of inspection and testing to determine compliance with this permit and department rules.

11. This permit does not indicate a waiver of or approval of any other department permit that may be required for other aspects of the total project.

12. This permit conveys no title to land or water, nor constitutes state recognition or acknowledgement of title, and does not constitute authority for the reclamation of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

13. This permit also constitutes:

[ ] Determination of Best Available Control Technology (BACT)
[ ] Determination of Prevention of Significant Deterioration (PSD)
[ ] Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)

PERMIT NO.: AO29-41831
APPLICANT: Gulf Coast Lead Company

SPECIFIC CONDITIONS:

1. Test the emissions for the following pollutant(s) at intervals of 12 months from the date of 2/10/81 and submit a copy of test data to the District Engineer of this agency within fifteen days of such testing. (Chapter 17-2.07(1), F.A.C.).

(X) Particulates	(X) Sulfur Oxides*
( ) Fluorides	( ) Nitrogen Oxides
(X) Plume Density	( ) Hydrocarbons
	( ) Total Reduced Sulfur

* Fuel analysis is acceptable

2. Testing of emissions must be accomplished at approximately the rates as stated in the application. Failure to submit the input rates or operation at conditions which do not reflect actual operating conditions may invalidate the data (Chapter 403.161(1)(c), Florida Statutes).

3. Submit for this facility, each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following information as per Chapter 17-4.14, F.A.C.

   (A) Annual amount of materials and/or fuels utilized.
   (B) Annual emissions (note calculation basis).
   (C) Any changes in the information contained in the permit application.

4. Submit for this source quarterly reports showing the type and monthly quantities of fuels used in the operation of this source. Also state the sulfur content of each fuel. (Chapter 17-4.14, F.A.C.)

5. All emissions generated by this process are discharged through a baghouse to a stack.

6. One time only within 12 months of 2/10/81 the stack test for total suspended particulates shall be analysed quantitatively & qualitatively for lead.

7. The entire plant is to have a cap limit of emissions not to exceed 6.7 lb/hr of total suspended particulate and 5% opacity.

PERMIT NO.: AO29-41831
APPLICANT: Gulf Coast Lead Company

Expiration Date: April 20, 1986

_____ Pages Attached.

Issued this 17th day of August, 19 81.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

W.K. Hennessey
Signature

W.K. Hennessey
District Manager

ATTACHMENT A

Section V

1. Both process input wight and products weight are measured.

2. See Table 1.

3. Measured data from stack tests: 1981 through 1984.

6. See Attachment C. Raw materials enter the blast furnace by way of the skiphoist. Raw materials for the flue dust agglomeration furnace originate from the baghouse hoppers. Products exit from the furnace tap point marked: blast lead. Wastes exit from the furnace tap point marked: slag.

ATTACHMENT B

EMISSIONS LIMITS FOR GULF COAST LEAD COMPANY

PARTICULATE AND LEAD

Source	Particulate Emissions lbs/hr	Emission Ratio Pb/PM	Pb Emissions lbs/hr	Hrs. of Operation Per Year	Tons/Yr PM	Tons/Yr Pb
Blast & Slag Furnaces	2.5	.723	1.81	7800	9.750	7.059
Blast & Slag Furnaces Tap Points	0.15	.40	0.06	7800	0.585	0.234
Skip Hoist	0.55	.40	0.22	7800	2.145	0.858
Refining Kettles	1.0	.40	0.40	4368[a]	2.184	0.874
Keel Cast Kettle	0.20	.40	0.08	2400	0.240	0.096
Total	4.4		2.57		14.904	9.121

[a] Total hours of operation for the refining kettle area. Two kettles will always operate simultaneously.

TABLE 1

ATTACHMENT D

EMISSION STACK GEOMETRY & FLOW CHARACTERISTICS

SECTION III, H

BLAST & SLAG FURNACES

Stack Height: 97 ft.

Stack Diameter: 2 ft.

Gas Flow Rate: 18,000 ACFM
15,000 DSCFM

Gas Exit Temperature: 155 F

Water Vapor Content: 4.3%

Velocity: 92 FPS

LEAD & SLAG TAP ENCLOSURES

Stack Height: 29 ft.

Stack Diameter: 1 ft. (square)

Gas Flow Rate: 3560 ACFM
3100 DSCFM

Gas Exit Temperture: 95 F

Water Vapor Content: 1.6%

Velocity: 48 FPS

SKIP-HOIST ENCLOSURE

Stack Height: 60 ft.

Stack Diameter: 2 ft.

Gas Flow Rate: 6300 ACFM
5775 DSCFM

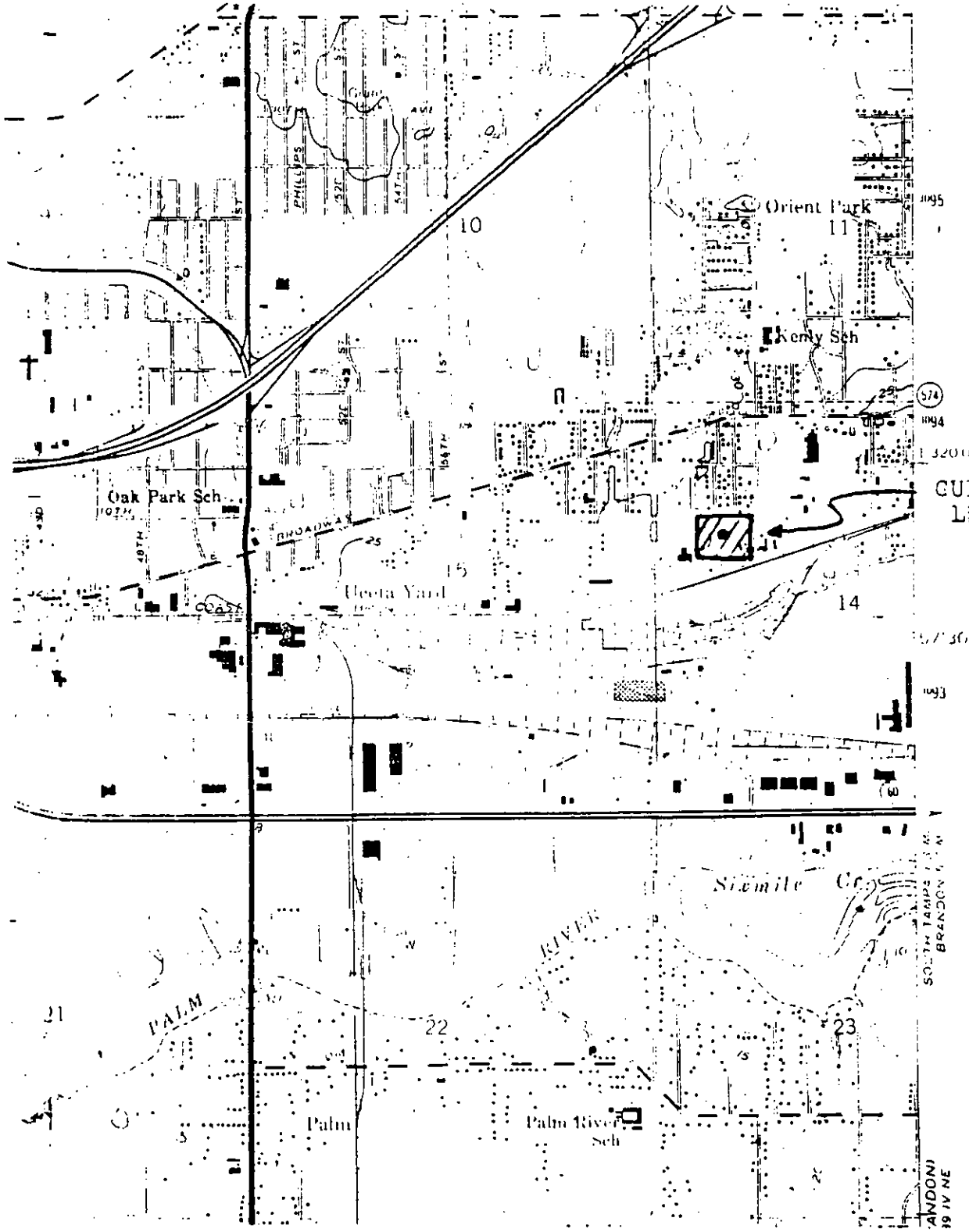
Gas Exit Temperature: 105 F

Water Vapor Content: 2.7%

Velocity: 40 FPS

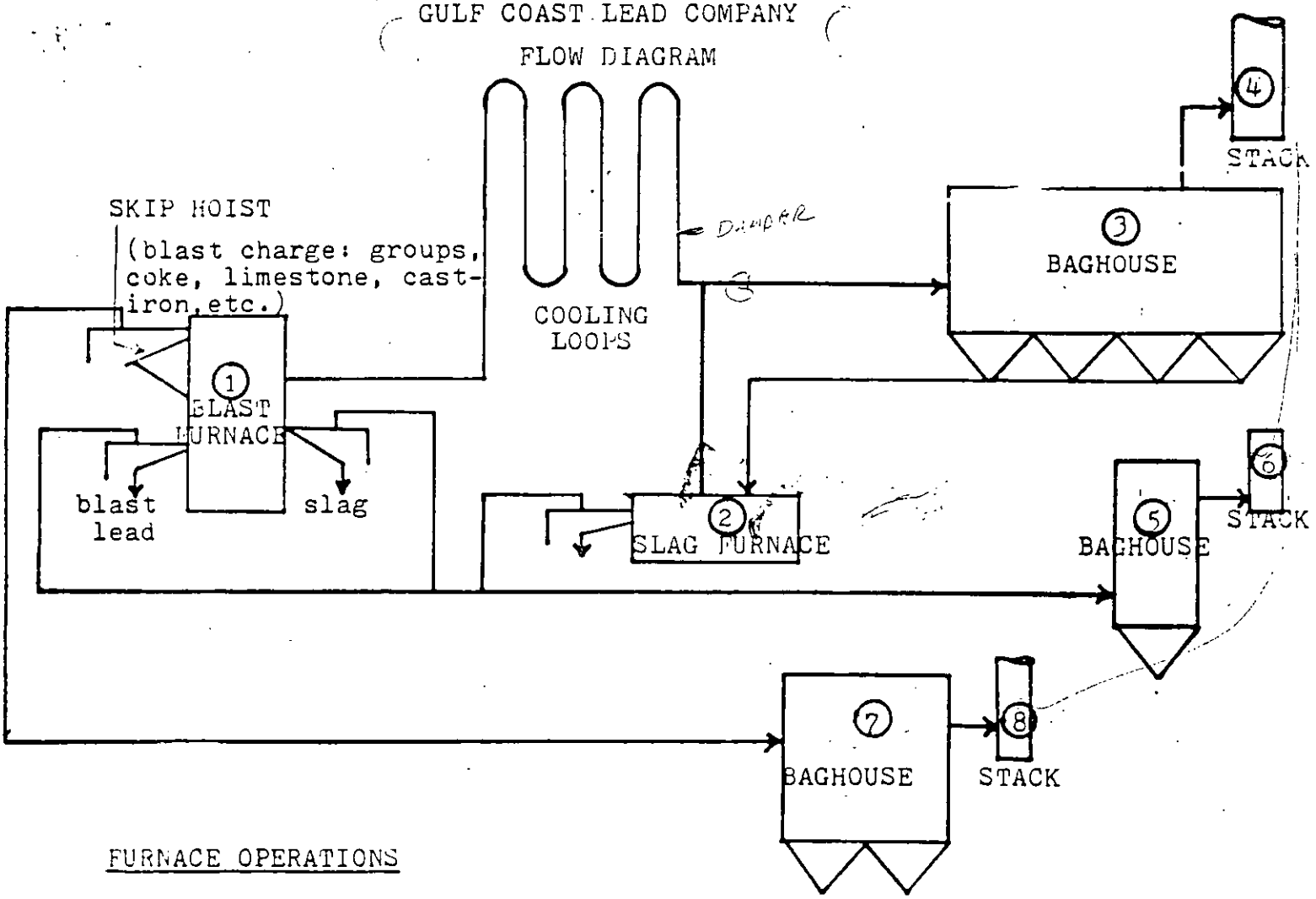
ATTACHMENT E

GULF COAST LEAD COMPANY LOCATION

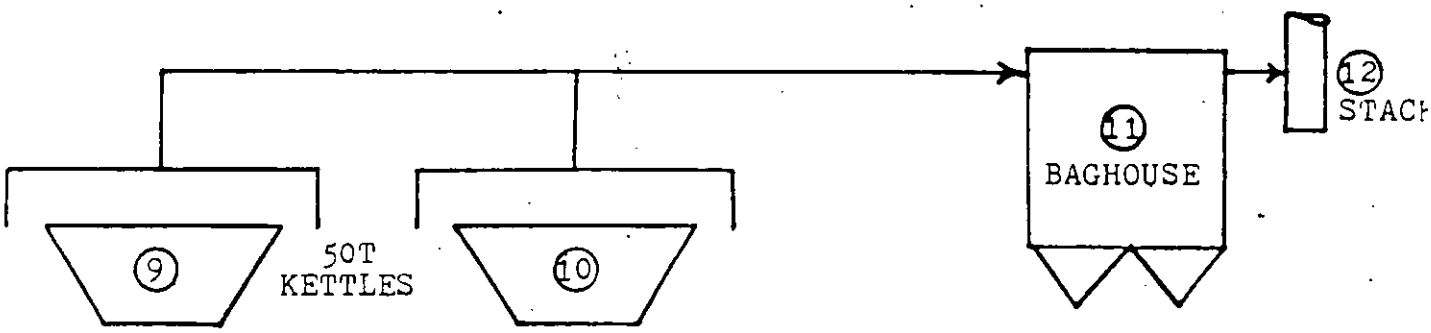


GULF COAST LEAD COMPANY

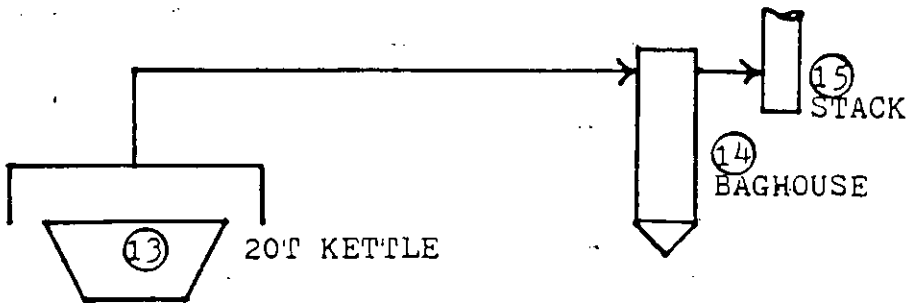
FLOW DIAGRAM



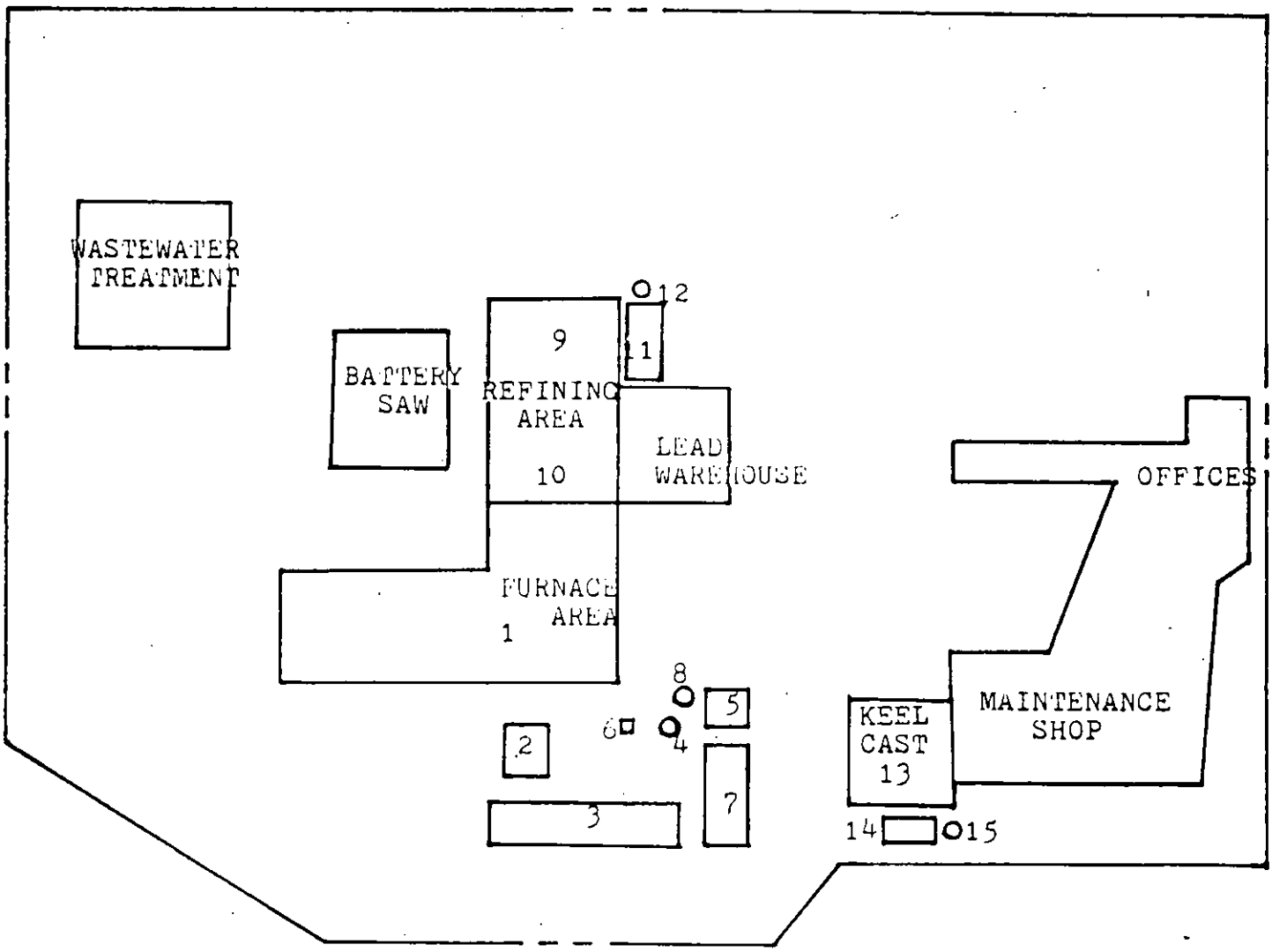
FURNACE OPERATIONS



CASTING OPERATIONS



FINAL CAST OPERATIONS



GULF COAST LEAD COMPANY

LOCATION OF MANUFACTURING PROCESSES & EMISSION POINTS

STATE OF FLORIDA

DEPART.. NT OF ENVIRONMENTAL ... GULATION

5-20-81

SOUTHWEST DISTRICT
7601 HIGHWAY 301 NORTH
TAMPA, FLORIDA 33610

APPLICANT:

Gulf Coast Lead Company
1901 N. 66th Street
Tampa, Fla. 33619

PERMIT/CERTIFICATION
NO. AO29-41831

COUNTY: Hillsborough

PROJECT: Dust Collector for Blast & Slag Furnaces Secondary Emissions

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

For the operation of enclosure hoods for slag and lead tap points for the blast furnace and a slagging furnace slag tap enclosure hood all exhausting thru a baghouse to a stack.

Located at 1901 N. 66th Street, Tampa.

UTM: 17-364.0E 3093.5N

Replaces Permit NO: AC29-35694 NEDS NO: 0057 Point ID: 04

Expires: April 20, 1986

DER FORM 17-1.122(63) 1/4 (1/80)

PERMIT NO.: AO29-41831
APPLICANT: Gulf Coast Lead Company

SPECIFIC CONDITIONS:

1. Test the emissions for the following pollutant(s) at intervals of 12 months from the date of 2/10/81 and submit a copy of test data to the District Engineer of this agency within fifteen days of such testing. (Chapter 17-2.07(1), F.A.C.).

(X) Particulates	(X) Sulfur Oxides*
( ) Fluorides	( ) Nitrogen Oxides
(X) Plume Density	( ) Hydrocarbons
	( ) Total Reduced Sulfur

* Fuel analysis is acceptable

2. Testing of emissions must be accomplished at approximately the rates as stated in the application. Failure to submit the input rates or operation at conditions which do not reflect actual operating conditions may invalidate the data (Chapter 403.161(1)(c), Florida Statutes).

3. Submit for this facility, each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following information as per Chapter 17-4.14, F.A.C.

   (A) Annual amount of materials and/or fuels utilized.
   (B) Annual emissions (note calculation basis).
   (C) Any changes in the information contained in the permit application.

4. Submit for this source quarterly reports showing the type and monthly quantities of fuels used in the operation of this source. Also state the sulfur content of each fuel. (Chapter 17-4.14, F.A.C.)

5. All emissions generated by this process are discharged through a baghouse to a stack.

6. One time only within 12 months of 2/10/81 the stack test for total suspended particulates shall be analysed quantitatively & qualitatively for lead.

7. The entire plant is to have a cap limit of emissions not to exceed 6.7 lb/hr of total suspended particulate and 5% opacity.

ENVIRONMENTAL ENGINEERING CONSULTANTS, INC.

Consulting
Engineers • Chemists • Industrial Hygienists • Environmental Scientists

February 27, 1981

Anthony Jones
Hillsborough County Environmental
Protection Commission
1900 9th Avenue N
Tampa, Florida 33605

Dear Anthony:

Enclosed is the report of the Visible Emissions Test conducted at Gulf Coast Lead Company on February 20, 1981. The stack tested was the vent for the slagging furnace and the lead and slag top hoods at the blast furnace. The opacity density was 0 percent for the entire test.

If you have any questions, please call me.

Sincerely,

ENVIRONMENTAL ENGINEERING CONSULTANTS, INC.

Carl F. Fink

Carl F. Fink

CFF/vb

Encl.

cc: Joyce Morales
Gulf Coast Lead Company

5500 N. Florida Avenue • P.O. Box 8386 • Tampa, Florida 33604 (813) 237-3781

ENVIRONMENTAL ENGINEERING CONSULTANTS, INC.

Consulting

Engineers • Chemists • Industrial Hygienists • Environmental Scientists

VISIBLE EMISSION OBSERVATION FORM

SOURCE NAME: GULF COAST LEAD CO.

PROJECT NUMBER: 79001

OBSERVATION DATE: 2-20-81

LOCATION: TAMPA, FL.

OBSERVER'S NAME (PRINT): CARL F. FINK

CERTIFIED BY: FDEP

DATE: 10-17-80

PROCESS: CUT FOR SLAG TAP, LEAD TAP, SLAG FUMING

OPERATING MODE:

CONTROL EQUIPMENT: BAGHOUSE

OPERATING MODE:

DESCRIBE EMISSION POINT: FREE STANDING STACK

EMISSION POINT HEIGHT ABOVE GROUND LEVEL: 40 FT.

EMISSION POINT HEIGHT RELATIVE TO OBSERVER: 20 FT

DISTANCE TO EMISSION POINT: 75 FT.

DIRECTION TO EMISSION POINT: NW

DESCRIBE EMISSIONS: NONE

COLOR OF EMISSIONS: —

CONTINUOUS FUGITIVE

INTERMITTENT —

WATER VAPOR PRESENT: ( ) YES

IF YES, IS PLUME ATTACHED — DETACHED

WHAT POINT WAS OPACITY DETERMINED: LIP OF STACK

DESCRIBE BACKGROUND: SKY

COLOR OF BACKGROUND: BLUE

SKY CONDITIONS: 10 % OVERCAST

WIND SPEED: 0 - 4 mph

WIND DIRECTION: W to N

AMBIENT TEMPERATURE: 75°F

RELATIVE HUMIDITY: 60%

REMARKS: tapped slag 10:50 - 10:58

START TIME: 10:05

STOP TIME: 11:05

	0	15	30	45		0	15	30	45
1	0	0	0	0	31	0	0	0	0
2	0	0	0	0	32	0	0	0	0
3	0	0	0	0	33	0	0	0	0
4	0	0	0	0	34	0	0	0	0
5	0	0	0	0	35	0	0	0	0
6	0	0	0	0	36	0	0	0	0
7	0	0	0	0	37	0	0	0	0
8	0	0	0	0	38	0	0	0	0
9	0	0	0	0	39	0	0	0	0
10	0	0	0	0	40	0	0	0	0
11	0	0	0	0	41	0	0	0	0
12	0	0	0	0	42	0	0	0	0
13	0	0	0	0	43	0	0	0	0
14	0	0	0	0	44	0	0	0	0
15	0	0	0	0	45	0	0	0	0
16	0	0	0	0	46	0	0	0	0
17	0	0	0	0	47	0	0	0	0
18	0	0	0	0	48	0	0	0	0
19	0	0	0	0	49	0	0	0	0
20	0	0	0	0	50	0	0	0	0
21	0	0	0	0	51	0	0	0	0
22	0	0	0	0	52	0	0	0	0
23	0	0	0	0	53	0	0	0	0
24	0	0	0	0	54	0	0	0	0
25	0	0	0	0	55	0	0	0	0
26	0	0	0	0	56	0	0	0	0
27	0	0	0	0	57	0	0	0	0
28	0	0	0	0	58	0	0	0	0
29	0	0	0	0	59	0	0	0	0
30	0	0	0	0	60	0	0	0	0

AVERAGE OPACITY: 0 %

NUMBER OF READINGS ABOVE ____ % WERE

RANGE OF OPACITY READINGS FROM ____ TO ____

OBSERVER'S SIGNATURE: Carl F. Fink

DATE: 2-20-81

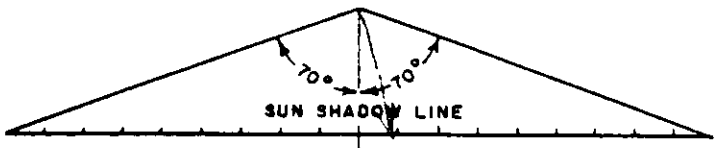
I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS.

VERIFIED BY:

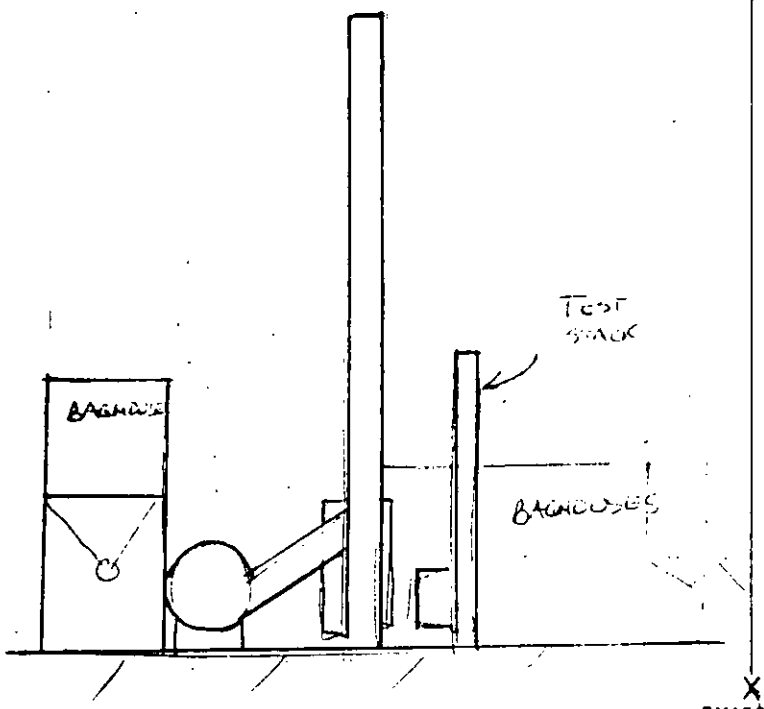
TITLE:

DATE:

5500 N. FLORIDA AVENUE · P.O. BOX 8386 · TAMPA, FLORIDA 33604 (813) 237-3781



URCE LAYOUT SKETCH



X
EMISSION POINT

Looking South

SUN

$50.00 3/30/81 fc
PAID
H. C. E. P. C.

RECEIVED
MAR 27 1981
H.C.E.P.C.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

AIR POLLUTION SOURCES
CERTIFICATE OF COMPLETION OF CONSTRUCTION*

P05702
Control No.

PERMIT NO. A029-27109/AC29-35694 DATE: March 18, 1981

Company Name: Gulf Coast Lead Co., Inc. County: Hillsborough

Source Identification(s): Modification of in-plant ventilation

Actual costs of serving pollution control purpose: $ 50,000.00

Operating Rates: Per A029-27109 Design Capacity: Per 29-109

Expected Normal Per A029-109 During Compliance Test

Date of Compliance Test: February 20, 1981 (Attach detailed test report)

Test Results:

Pollutant	Actual Discharge	Allowed Discharge
Visible Opacity	0 %	less than 5 %

Date plant placed in operation: January 12, 1981

This is to certify that, with the exception of deviations noted**, the construction of the project has been completed in accordance with the application to construct and Construction Permit No. AC29-35694 dated Jan. 6, 1981.

A. Applicant:
Lonnie A. Payne
Name of Person Signing (Type)

Lonnie A Payne
Signature of Owner or Authorized Representative and Title

Date: March , 1981 Telephone: 813 626 6151

B. Professional Engineer:
Robert E. Wallace III, P.E.
Name of Person Signing (Type)

Robert E. Wallace
Signature of Professional Engineer

Environmental Engineering Consultants, Inc.
Company Name

Florida Registration No. 21608

Date: March 19, 1981

(Seal)

P.O. Box 8386, Tampa, Fl. 33674
Mailing Address

813 237 3781
Telephone Number

*This form, satisfactorily completed, submitted in conjunction with an existing application to construct permit and payment of application processing fee will be accepted in lieu of an application to operate.

**As built, if not built as indicated include process flow sketch, plot plan sketch, and updates of applicable pages of application form.

4-8-81 JB
AO29-4831

AUG 18 1981
H.C.E.P.C.
D E R RECEIVED
MAR 27 1981
H.C.E.P.C.

APR 3 1981
SOUTHWEST DISTRICT
TAMPA

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

AIR POLLUTION SOURCES
CERTIFICATE OF COMPLETION OF CONSTRUCTION*

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Name of Person Signing (Type)

Lonnie A Payne
Signature of Owner or Authorized Representative and Title

Date: March , 1981 Telephone: 813 626 6151

B. Professional Engineer:
Robert E. Wallace III, P.E.
Name of Person Signing (Type)

Robert E. Wallace III
Signature of Professional Engineer

Environmental Engineering Consultants, Inc.
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**As built, if not built as indicated include process flow sketch, plot plan sketch, and updates of applicable pages of application form.

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Engineers • Chemists • Industrial Hygienists • Environmental Scientists

February 27, 1981

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If you have any questions, please call me.

Sincerely,

ENVIRONMENTAL ENGINEERING CONSULTANTS, INC.

Carl F. Fink

Carl F. Fink

CFF/vb

Encl.

cc: Joyce Morales
Gulf Coast Lead Company

5500 N. Florida Avenue • P.O. Box 8386 • Tampa, Florida 33604 (813) 237-3781

ENVIRONMENTAL ENGINEERING CONSULTANTS, INC.

Consulting

Engineers • Chemists • Industrial Hygienists • Environmental Scientists

VISIBLE EMISSION OBSERVATION FORM

URCE NAME: GULF COAST LEAD CO.

PROJECT NUMBER: 7430.1

OBSERVATION DATE: 2-20-81

CATION: TAMPA, FL.

OBSERVER'S NAME (PRINT): CARL F. PAUL

CERTIFIED BY: FDER

DATE: 10-14-80

OCESS: CUT FOR SLAG TAP, LEAD TAP, SLAG FUMES

OPERATING MODE:

START TIME: 10:05

STOP TIME: 11:05

NTROL EQUIPMENT: BAGHOUSE

OPERATING MODE:

SCRIBE EMISSION POINT: FREE STANDING STACK

MISSION POINT HEIGHT OVE GROUND LEVEL: 40 FT.

EMISSION POINT HEIGHT RELATIVE TO OBSERVER: 36 FT

STANCE TO MISSION POINT: 75 FT.

DIRECTION TO EMISSION POINT: NW

SCRIBE EMISSIONS: NONE

LOR OF EMISSIONS: —

CONTINUOUS FUGITIVE

INTERMITTENT

TER VAPOR PRESENT: YES

IF YES, IS PLUME ATTACHED DETACHED

WHAT POINT WAS OPACITY DETERMINED: LIP OF STACK

SCRIBE BACKGROUND: SKY

LOR OF BACKGROUND: BLUE

SKY CONDITIONS: 10 % OVERCAST

ND SPEED: 0 - 4 mph

WIND DIRECTION: W to N

BIENT TEMPERATURE: 75°F

RELATIVE HUMIDITY: 60 %

	0	15	30	45		0	15	30	45
1	0	0	0	0	31	0	0	0	0
2	0	0	0	0	32	0	0	0	0
3	0	0	0	0	33	0	0	0	0
4	0	0	0	0	34	0	0	0	0
5	0	0	0	0	35	0	0	0	0
6	0	0	0	0	36	0	0	0	0
7	0	0	0	0	37	0	0	0	0
8	0	0	0	0	38	0	0	0	0
9	0	0	0	0	39	0	0	0	0
10	0	0	0	0	40	0	0	0	0
11	0	0	0	0	41	0	0	0	0
12	0	0	0	0	42	0	0	0	0
13	0	0	0	0	43	0	0	0	0
14	0	0	0	0	44	0	0	0	0
15	0	0	0	0	45	0	0	0	0
16	0	0	0	0	46	0	0	0	0
17	0	0	0	0	47	0	0	0	0
18	0	0	0	0	48	0	0	0	0
19	0	0	0	0	49	0	0	0	0
20	0	0	0	0	50	0	0	0	0
21	0	0	0	0	51	0	0	0	0
22	0	0	0	0	52	0	0	0	0
23	0	0	0	0	53	0	0	0	0
24	0	0	0	0	54	0	0	0	0
25	0	0	0	0	55	0	0	0	0
26	0	0	0	0	56	0	0	0	0
27	0	0	0	0	57	0	0	0	0
28	0	0	0	0	58	0	0	0	0
29	0	0	0	0	59	0	0	0	0
30	0	0	0	0	60	0	0	0	0

AVERAGE OPACITY: 0 %

NUMBER OF READINGS ABOVE % WERE

RANGE OF OPACITY READINGS FROM ____ TO ____

MARKS: Topped slag 10:50 - 10:58

SERVER'S SIGNATURE: Carl F. Paul

DATE: 2-20-81

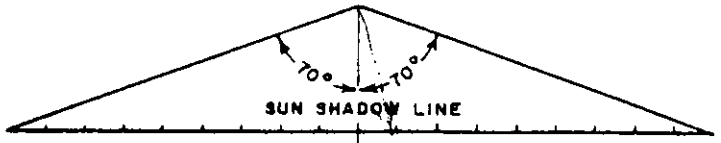
I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS.

RIFIED BY:

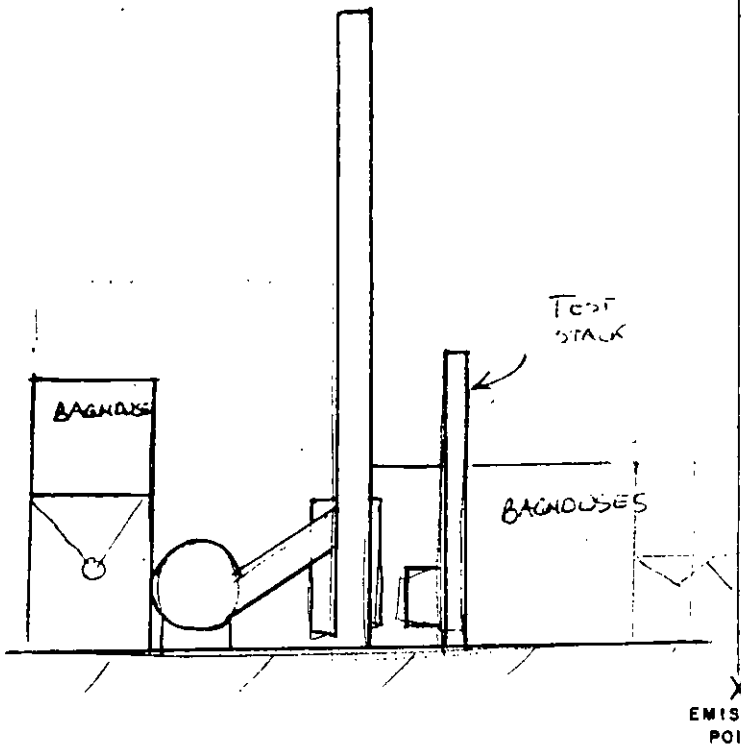
TITLE

DATE

5500 N. FLORIDA AVENUE · P.O. BOX 8386 · TAMPA, FLORIDA 33604 (813) 237-3781



URCE LAYOUT SKETCH



Looking South

SUN

NE 5 Tb. Gulf Coast L C
AC29-35694

1-6-81

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHWEST DISTRICT
7601 HIGHWAY 301 NORTH
TAMPA, FLORIDA 33610

BOB GRAHAM
GOVERNOR

JACOB D. VARN
SECRETARY

WILLIAM K. HENNESSEY
DISTRICT MANAGER

Hillsborough County AP

Mr. Lonnie A. Payne
Gulf Coast Lead Company
1901 N. 66th Street
Tampa, Fla. 33619

Dear Mr. Payne:

Enclosed is Permit Number AC29-35694, dated January 6, 1981 to construct the subject air pollution source issued pursuant to Section _____, Florida Statutes.

Should you object to this permit, including any and all of the conditions contained therein, you may file an appropriate petition for administrative hearing. This petition must be filed within fourteen (14) days of the receipt of this letter. Further, the petition must conform to the requirements of Section 28-5.201, Florida Administrative Code, (see reverse side of this letter). The petition must be filed with the Office of General Counsel, Department of Environmental Regulation, Twin Towers Office Building, 2600 Blair Stone Road, Tallahassee, Florida 32301.

If no petition is filed within the prescribed time, you will be deemed to have accepted this permit and waived your right to request an administrative hearing on this matter.

Acceptance of the permit constitutes notice and agreement that the Department will periodically review this permit for compliance, including site inspections where applicable, and may initiate enforcement action for violation of the conditions and requirements thereof.

Sincerely,

RECEIVED
JAN 7 - 81
E.P.C.

W. K. Hennessey
District Manager

cc: Record Center
HCEPC
Robert E. Wallace, P.E.

Enclosure

DER Form 17-1.122(66) 1/2

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHWEST DISTRICT
7601 HIGHWAY 301 NORTH
TAMPA, FLORIDA 33610

APPLICANT:

Gulf Coast Lead Company
1901 N. 66th Street
Tampa, Fla. 33619

PERMIT/CERTIFICATION
NO. AC29-35694

COUNTY: Hillsborough

PROJECT: Modify Permit
AO29-27109
Dust Collector

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

For the modification of permit AO29-27109 adding a dust collector for the exhaust hoods of the slag and lead tap enclosures of the blast furnace and the slag tap enclosure for the slagging furnace. This dust collector will have a separate stack.

Located at 1901 N. 66th Street, Tampa.

UTM: 17-364.0 E 3093.5 N

Replaces Permit NO: N/A NEDS NO: 0057 Point ID: 04

Expires: June 30, 1981

DER FORM 17-1.122(63) 1/4 (1/80)

PERMIT NO.: AC29-35694
APPLICANT: Gulf Coast Lead Company

SPECIFIC CONDITIONS:

1. The construction of this facility shall be completed by 4/15/81. An application to operate this installation shall be submitted to the Department 60 days prior to expiration date of this permit.

2. This construction permit expires on 6/30/81 following an initial period of operation for appropriate testing to determine compliance with the Rules of the Florida Department of Environmental Regulation Commission. (Chapter 17-4.07(7) F.A.C.)

3. All applicable rules of the Department including design discharge limitations specified in the application shall be adhered to. The permit holder may also need to comply with county, municipal, federal, or other state regulations prior to construction. (Chapter 17-4.07(1), F.A.C.)

4. This unit shall be observed for visible emissions (plume density) within 30 days after completion of construction and prior to general operation. (Chapter 17-2.05(1)(a) During the test period this unit must be run within 10% of operating capacity.

5. All reasonable precautions shall be taken to prevent and control generation of fugitive particulate matter. (Chapter 17-2.05(3), F.A.C.)

6. This installation shall also be stack tested for lead and total suspended particulates in accordance with Chapter 17-2.08(4) which states testing to be according to methods set forth in the Standard Sampling Techniques and Methods of Analysis for the Determination of Air Pollutants from Point Sources.

7. The maximum allowable Visible Emissions rate shall not exceed 5% during the tapping operation. If the test exceeds 5% opacity the source shall be tested for particulate emission. The maximum allowable particulate emission rate from this source combined with the emissions from permits AO29-12482, AO29-27109, and AC29-31078 shall not exceed 6.7 pounds per hour.

OCT 13, 1980

AC29-35694

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: SEC. LEAD SMELTER [ ] New[1] [X] Existing[1]

APPLICATION TYPE: [ ] Construction [ ] Operation [X] Modification

COMPANY NAME: GULF COAST LEAD COMPANY COUNTY: HILLSBOROUGH

Identify the specific emission point source(s) addressed in this application (i.e. Lime Kiln No. 4 with Venturi Scrubber; Peeking Unit No. 2, Gas Fired) Refining Kettles and associated ventilation

SOURCE LOCATION: Street 1901 N. 66th St. City Tampa

UTM: East 364.048 North 3093.548

Latitude ____ ° ____ ' ____ "N Longitude ____ ° ____ ' ____ "W

APPLICANT NAME AND TITLE: Lonnie A. Payne, Vice President

APPLICANT ADDRESS: 1901 N. 66th St., Tampa, Fl. 33619

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative* of Gulf Coast Lead Company

I certify that the statements made in this application for a Construction/Modification 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: Lonnie A Payne

Lonnie A. Payne, Vice President

Name and Title (Please Type)

Date: Oct 8, 1980 Telephone No. 813 626 6151

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 [redacted]/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 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

Robert E. Wallace III, P.E.

Name (Please Type)

Environmental Engineering Consultants, Inc.

Company Name (Please Type)

5500 N. Florida Ave., PO Box 8386, Tampa

Mailing Address (Please Type) Fl. 33604

(Affix Seal)

Florida Registration No. 21608

Date: Oct. 8, 1980 Telephone No. 813 237 3781

[1]See Section 17-2.02(15) and (22), Florida Administrative Code, (F.A.C.)

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.

ATTACHMENT A

B. Schedule of project covered in this application (Construction Permit Application Only)

Start of Construction 11-15-80 Completion of Construction 2-1-81

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.)

Baghouse	13,000.00
Stack and Blower	4,000.00
Ductwork	5,000.00
Installation	2,500.00

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

AC29-12606: Issued 9-25-78; Expired 2-15-79

AO29-27109: Issued 3-28=80; Expires 3-25-85

E. Is this application associated with or part of a Development of Regional Impact (DRI) pursuant to Chapter 380, Florida Statutes, and Chapter 22F-2, Florida Administrative Code? ____ Yes X No

F. Normal equipment operating time: hrs/day ____ ; days/wk ____ ; wks/yr ____ ; if power plant, hrs/yr ____ ; if seasonal, describe: ATTACHMENT A

G. If this is a new source or major modification, answer the following questions. (Yes or No) N/A

1. Is this source in a non-attainment area for a particular pollutant?
   a. If yes, has "offset" been applied?
   b. If yes, has "Lowest Achievable Emission Rate" been applied?
   c. If yes, list non-attainment pollutants.
2. Does best available control technology (BACT) apply to this source? If yes, see Section VI.
3. Does the State "Prevention of Significant Deterioriation" (PSD) requirements apply to this source? If yes, see Sections VI and VII.
4. Do "Standards of Performance for New Stationary Sources" (NSPS) apply to this source?
5. Do "National Emission Standards for Hazardous Air Pollutants" (NESHAP) apply to this source?

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

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		
		ATTACHMENT B		

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

1. Total Process Input Rate (lbs/hr): Blast Furnace = 5300; Refining Kettle = 100,000#/Charge.
2. Product Weight (lbs/hr): Blast Furnace = 2968; Refining Kettle = 98,000#/Charge.

C. Airborne Contaminants Emitted: ATTACHMENT C

Name of Contaminant	Emission[1]		Allowed Emission[2] Rate per Ch. 17-2, F.A.C.	Allowable[3] Emission lbs/hr	Potential Emission[4]		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/hr	T/yr	
Particulate	2.462	8.863	17-2.05	12.000	246.2	886.3	6&9
Sulfur Dioxide	175	630	-	-	175	630	"
Opacity	0%	-	17-2.05	20 %	-	-	"

D. Control Devices: (See Section V, Item 4) Proposed New Construction Only

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles[5] Size Collected (in microns)	Basis for Efficiency (Sec. V, It[5]
Baghouse (1-Unit)	PM and Lead	99+	greater than 1	Design
Wheelabrator-Frye Dustube Dust Collector, Size No. 1217, Model 126, Series 55 One Module Intermittent Type.				

[1] See Section V, Item 2.

[2] Reference applicable emission standards and units (e.g., Section 17-2.05(6) Table II, E. (1), F.A.C. – 0.1 pounds per million BTU heat input)

[3] Calculated from operating rate and applicable standard

[4] Emission, if source operated without control (See Section V, Item 3)

[5] If Applicable

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
Coke (Blast Furnace)	300 #	400#	Ala. ByProducts, Birm,Ala.
LP Gas (Refining Kettles)	7 gal	14 gal	1.28

*Units Natural Gas, MMCF/hr; Fuel Oils, barrels/hr; Coal, lbs/hr

Fuel Analysis:

Percent Sulfur: Coke = 0.58 Percent Ash: Coke = 5.4

Density: N/A lbs/gal Typical Percent Nitrogen: N/A

Heat Capacity: _____ BTU/lb LP Gas 91,500 BTU/gal

Other Fuel Contaminants (which may cause air pollution): N/A

F. If applicable, indicate the percent of fuel used for space heating. Annual Average N/A Maximum _____

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

Baghouse dust, drosses and other recovered solids are recycled to the blast furnace to recover available antimony and lead. Slag is stored on-site.

H. Emission Stack Geometry and Flow Characteristics (Provide data for each stack): Proposed Construction Only

Stack Height: 35 ft. Stack Diameter: Square 12"X12" ft.

Gas Flow Rate: 3500 ACFM Gas Exit Temperature: Ambient °F.

Water Vapor Content: Ambient % Velocity: 58 FPS

SECTION IV: INCINERATOR INFORMATION

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.)
Lbs/hr Incinerated							

Description of Waste _____

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

Approximate Number of Hours of Operation per day _____ days/week _____

Manufacturer _____

Date Constructed _____ Model No. _____

ATTACHMENT A

SECTION II: GENERAL PROJECT INFORMATION

SECTION A:

Project consists of a modification of permit No. AO29-27109. The exhaust hoods for slag and lead tap enclosures of the blast furnace and the slag tap enclosure for the slagging furnace will be isolated from the present ventilation system and routed through a separate dust collector and exhausted through a separate stack. The modification will increase the ventilation efficiency in the furnace tap areas and by elimination of these processes increase the efficiency of the general plant ventilation.

No increase in production or total emission of any pollutant will accompany this modification. A net decrease in secondary emissions are expected however, because of this improvement in ventilation. The facility will continue to comply with the Rules of the Florida Department of Environmental Regulation.

SECTION F

Refining Kettle; Primary and secondary emissions: 8 Hours/day; 3 days/wk; 50 wk/yr.

Blast Furnace; Secondary emissions only during slag or lead tapping operations: 24 hr/day; 6 days/wk; 50 wk/yr.

ATTACHMENT B

SECTION III: AIR POLLUTION SOURCES & CONTROL DEVICES

SECTION A

Description	Utilizaton Rate	Flow Loc.
Blast Furnace		
Lead Bearing Material	4800 #/hr	1
Coke	300	1
Limestone	100	1
Cast Iron	100	1
Refining Kettle		
Blast Lead	100,000 #/chg.	3
Antimony, Tin and other alloying elements	As req'd to meet customer spec's.	3

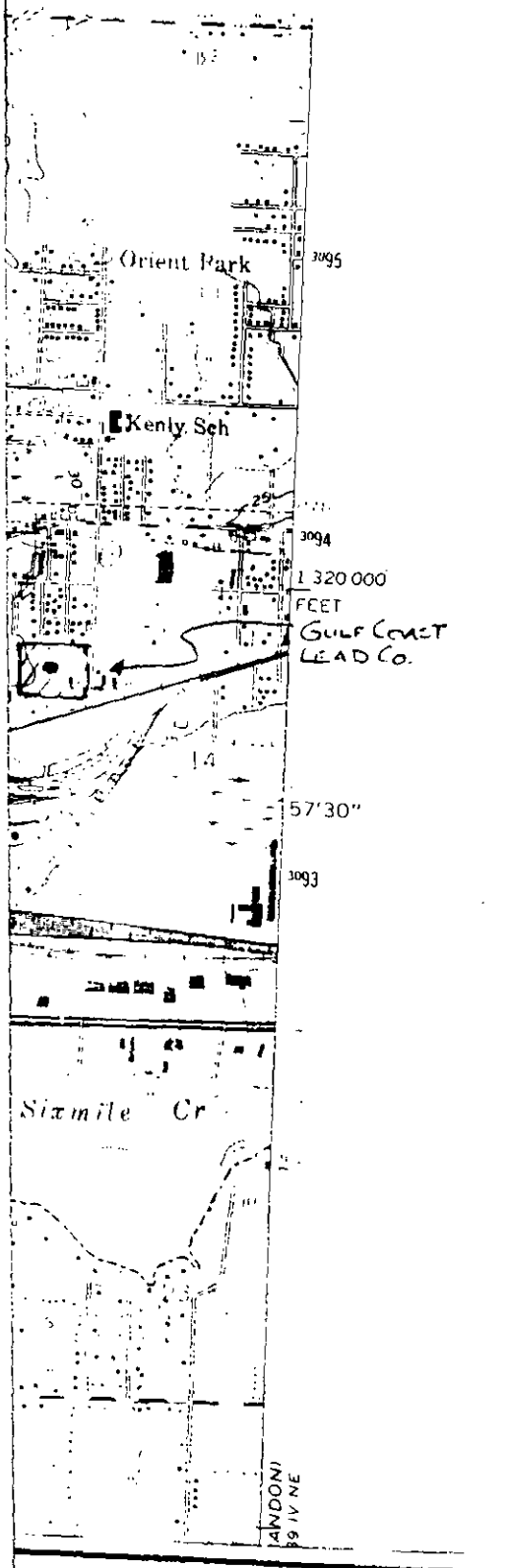
ATTACHMENT C

AIR POLLUTION SOURCES & CONTROL DEVICES

ıll emissions, including the primary blast furnace
rmit No. AO29-12482) are exhausted from a common stack.
posed modification, the secondary emissions from the blast
tion generated during slag and lead tapping operations,
cted separately, cleaned and exhausted through a separate
crease in total facility emission will accompany this
in fact a net decrease is expected through the improve-
lation, thereby decreasing the fugitive portion.

baghouse fabric area is 2856 ft^2. At 3500 CFM, the
ocity will be 1.23 fpm, well within good engineering
this source type and fabric choice.

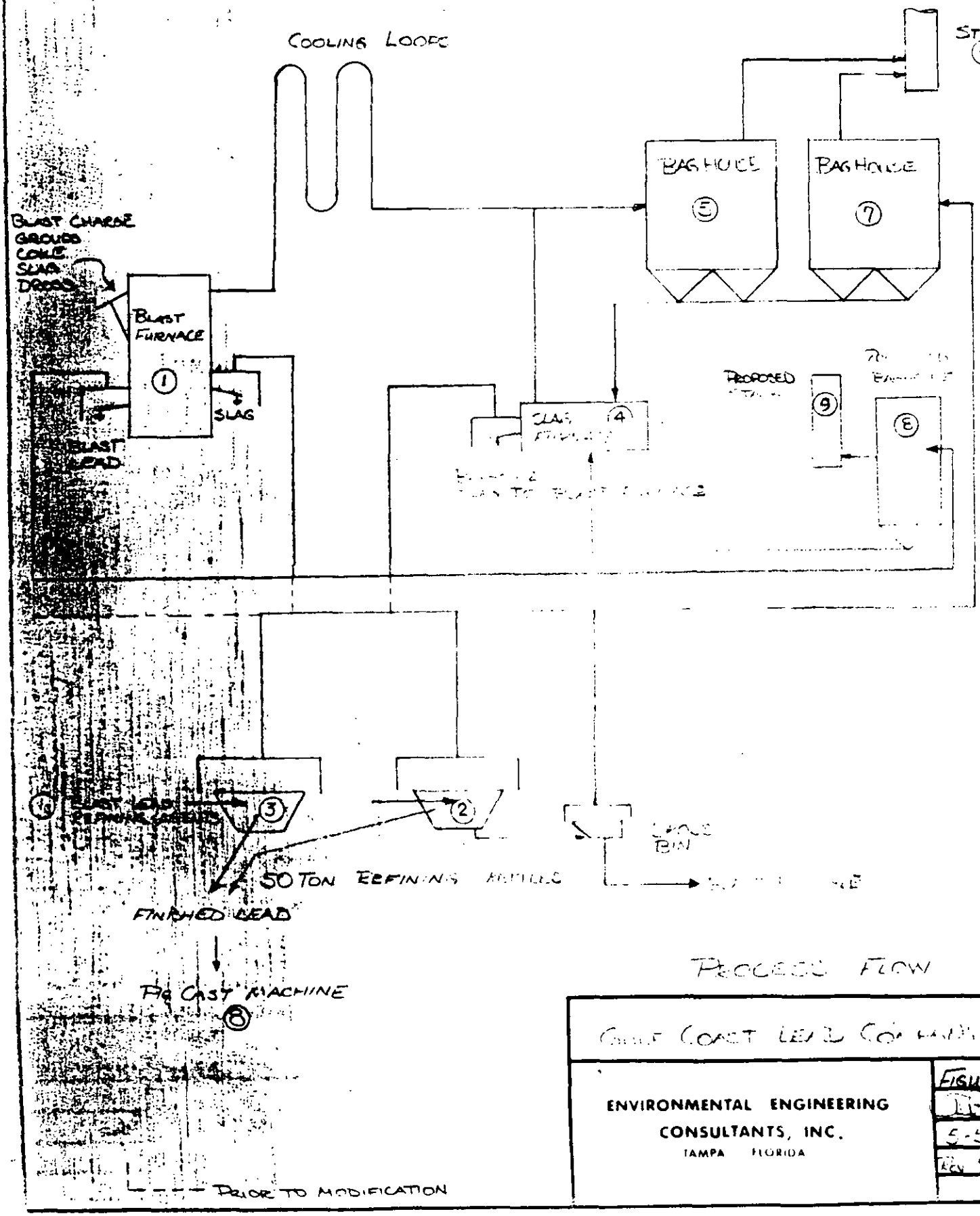
.th the Rules of the FDER, Chapter 17-2 will continue
established following construction using 40 CFR 60
5 & 9.



LEAD Co. LOCATION

AL ENGINEERING
TANTS, INC.
FLORIDA

1/80

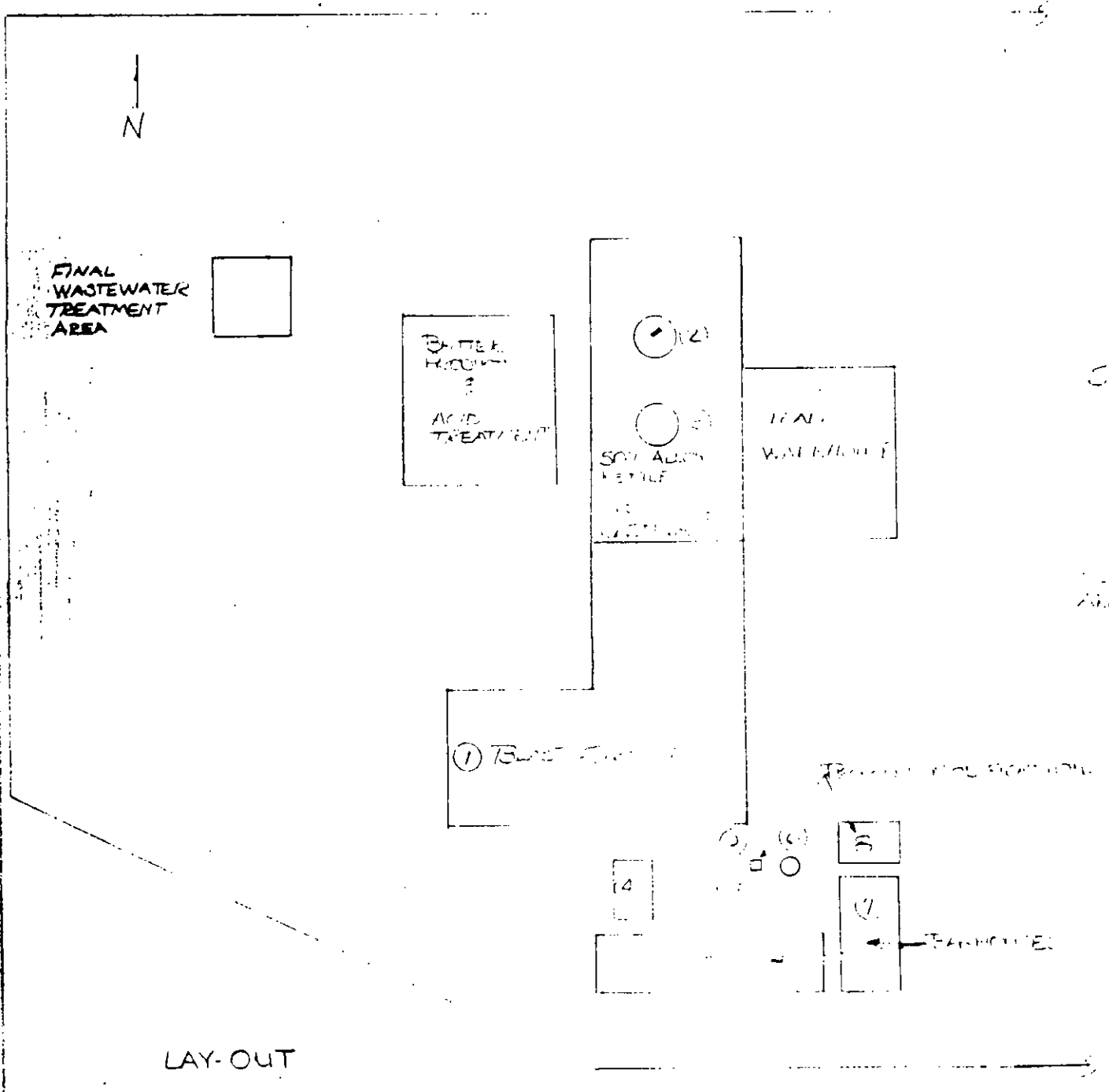


PROCESS FLOW

GULF COAST LEAD COMPANY

ENVIRONMENTAL ENGINEERING CONSULTANTS, INC.
TAMPA FLORIDA

FIGURE 1
DWN
5-5-80
REV 9-25-80



LAY-OUT

GULF COAST LEAD CO.

ENVIRONMENTAL ENGINEERING CONSULTANTS, INC.
TAMPA FLORIDA

FIGURE 2