

# COUNTY



# OF HILLSBOROUGH

## MEMORANDUM

Date Dec. 7, 1983

To Jim Estler through Bill Thomas *Jc*

From Jerry Campbell, E.P.C.

Subject: RENEWAL OF A029-12482 FOR GULF COAST LEAD'S BLAST FURNACE

Having reviewed their application, I recommend approval for this source to be issued an operating permit. I further recommend that the following specific conditions apply to the new permit:

- 1) The maximum allowable particulate emission shall be 2.0 pounds per hour and 8.16 tpy as requested by the applicant to exempt the facility from F.A.C. 17-2-650.
- 2) The opacity from the baghouse shall not exceed 20 percent (HCEPC Chapter 1-3.031.).
- 3) Within 60 days of receipt of this operating permit, the applicant will have conducted SO<sub>2</sub> emission testing by methods approved by the Hillsborough County EPC and the Florida DER to establish the actual emissions from this source. The results of these test shall be reported to the regulatory agencies listed above in this same period. At that time the EPC and the DER will set an SO<sub>2</sub> emission limiting, which shall become a part of this permit. *Standard*
- 4) The compliance test shall consist of an annual test for particulates, lead particulate, SO<sub>2</sub> and opacity. The lead particulate emissions shall be determined by analysis of the probe wash, the filter wash and the filter. This analysis does not require a method #12 test as per 40CFR60 Appendix A, but the method shall be subject to the approval of the Hillsborough County EPC. The opacity test shall be conducted during the stack testing and it shall be <sup>at least</sup> 30 minutes in duration (H.C.E.P.A. Chapter 67-1504 Section 12).
- 5) The Hillsborough County EPC shall be notified 30 days in advance of any compliance test to be conducted on this source.
- 6) The compliance test shall be conducted at <sup>10</sup> +/- percent of the maximum permitted process rate of 4.67 tons of raw materials input per hour.

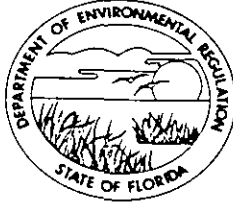
RE: Gulf Coast Lead's Blast Furnace  
December 10, 1983  
Page two

- 7) Only one of the two blast furnaces covered under this permit may be operated at one time.
- 8) A fuel analysis from the supplier shall be submitted with the annual compliance test.
- 9) The annual operating report for this source shall be submitted to the Hillsborough County EPC on or before March 1 of each year of this permit.
- 10) The combined total hours of operation for the 2 blast furnaces shall not exceed 8160 hours per year as requested by the applicant to exempt the facility from F.A.C. 17-2.650.

JC/b

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL RE

DEPARTMENT



SOUTHWEST DISTRICT

7601 HIGHWAY 301 NORTH  
TAMPA, FLORIDA 33610-9544

SOUTHWEST DISTRICT

7601 HIGHWAY 301 NORTH  
TAMPA, FLORIDA 33610-9544

PERMITTEE:  
Mr. Lonnie A. Payne, President  
Gulf Coast Lead Company  
1901 North 66th Street  
Tampa, FL 33619

PERMIT/CERTIFICATE  
Permit No.:  
County: Hills  
Expiration Date:  
Project: Two  
Fur

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

Dear Mr. Payne:

Re: Hill  
Two

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-363.9E and 17-3093.8N. The above named permittee is hereby authorized to permit the operation of the facility shown on the application and drawing(s), plans, and other documents, attached with the department and made a part hereof and as described as follows:

Enclosed is Permit No. 17-363.9E-3093.8N-0057 to operate the subject facility at 1901 North 66th Street, Tampa, Florida 33619.

For the operation of the two lead blast furnaces and one furnace using a Wheelabrator-Frye dust collector (Model 126, Series 55).

Should you object to the conditions contained in this permit, you must file a petition for administrative review with the Office of Environmental Regulation, Tallahassee, Florida, within fourteen (14) days of the date of issuance of this permit. The petition must conform with Florida Administrative Code Rule 28.001, filed with the Office of Environmental Regulation, Tallahassee, Florida.

Location: 1901 North 66th Street, Tampa

If no petition is filed, the permit is deemed to have been accepted. You may request an administrative review of the permit.

UTM: 17-363.9E 3093.8N NEDS NO: 0057

Acceptance of the permit by the permittee, including site inspection and enforcement action, does not constitute acceptance of the permit. The permittee must meet all permit requirements thereafter.

Replaces Permit No.: A029-12482

WKH/scm  
Enclosures  
cc: HCEPC

DER Form 17-1.20

PERMITTEE:  
Gulf Coast Lead Company

Permit/Certification No.: A029-78246  
Project: Two Lead & One Slag Furnace

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 Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate the enforcement 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 applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.712(5), 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 infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties 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, unless specifically authorized by any order from the department.

PERMITTEE: Permit/Certification Number: A029-78246  
Gulf Coast Lead Company Project: Two Lead & One Slag Furnace

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as maybe required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purposes of;

a. Having access to and copying any records that must be kept under the conditions of the permit:

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

c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

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

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

PERMITTEE: Permit/Certification No: A029-78246  
Gulf Coast Lead Company Project: Two Lead & One Slag Furnace

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Section 403.73 and 403.111, Florida Statutes.

10. The 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.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

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)
- ( ) Compliance with New Source Performance Standards

14. The permittee shall comply with the following monitoring and record keeping requirements:

a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

PERMITTEE:  
Gulf Coast Lead Company

Permit/Certification No.: A029-78246  
Project: Two Lead & One Slag Furnace

14. (con't)

b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurements;
- the person responsible for performing the sampling or measurements;
- the date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

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

SPECIFIC CONDITIONS:

1. Test the emissions for the following pollutant(s) at intervals of 12 months from the date January 13, 1983 and submit a copy of test data to the Air Section of the Southwest District Office and Hillsborough County Environmental Protection Commission within forty five days of such testing (Section 17-2.700 (2), Florida Administrative Code (F.A.C.)).

(X) Particulates  
( ) Fluorides  
(X) Opacity

(X) Sulfur Oxides  
( ) Nitrogen Oxides  
( ) Hydrocarbons  
( ) Total Reduced Sulfur

\*The opacity test shall be conducted during the particulate stack test and shall be at least 30 minutes in duration.

PERMITTEE: Gulf Coast Lead Company Permit/Certificate on No.: A029-78246  
Project: Two Lead & One Slag Furnace

SPECIFIC CONDITIONS (con't):

2. The compliance test shall be conducted at  $\pm 10\%$  of the maximum permitted process rate of 4.67 tons of raw materials input per hour. A test submitted at a lower process rate showing compliance will be acceptable and will automatically modify the permit to list the process rate during testing as the maximum process rate.

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 Section 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.

Submit copies of this report to the Department and Hillsborough County Environmental Protection Commission.

4. In order to qualify for the particulate RACT exemption in Section 17-2.650(2)(b)1., F.A.C., the maximum allowable particulate emission rate as requested by the Permittee is 2.5 lbs/hr. and 9.75 tons per year.

5. Within 60 days of receipt of this operating permit, the applicant will have conducted SO<sub>2</sub> emission testing by methods approved by the Hillsborough County Environmental Protection Commission (HCEPC) the Florida Department of Environmental Regulation (FDER) to establish the actual emissions from this source. The results of these tests shall be reported to the regulatory agencies listed above in this same period. At that time the HCEPC and FDER will set an SO<sub>2</sub> emission standard which shall become a part of this permit.

6. Visible emissions shall not be equal to or greater than 20% opacity in accordance with Subsection 17-2.610(2)(b), F.A.C.

7. Compliance with the emission limitations of Specific Conditions Nos. 4, 5 & 6 shall be determined using EPA Methods 1,2,3,4,5,6 and 9 contained in 40 CFR 60, Appendix A and adopted by reference in Section 17-2.700, F.A.C. The minimum requirements for stack sampling facilities, source sampling and reporting, shall be in accordance with Section 17-2.700, F.A.C. and 40 CFR 60, Appendix A.

8. The HCEPC shall be notified 30 days in advance of any compliance test to be conducted on this source.

9. All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter in accordance with the provision in Section 17-2.610 (3), F.A.C.. These provisions are applicable to any source, including, but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial related activities such as loading, unloading, storing and handling.



PERMITTEE:  
Guld Coast Lead Company

Permit/Certification No.: AO29-78246  
Project: Two Lead & One Slag Furnace

SPECIFIC CONDITIONS (con't):

10. Only one of the two blast furnaces covered under this permit may be operated at one time.
11. A fuel analysis from the supplier shall be submitted with the annual compliance test.
12. A compliance test shall be conducted for lead particulate on a yearly basis from the date of January 13, 1983. The emissions shall be determined by analysis of the probe wash, the filter wash and the filter. This analysis does not require a Method #12 test as per 40 CFR 60 Appendix A, but the method shall be subject to prior approval of the HCEPC (H.C.E.P.A. Chapter 67-1504 Section 12). What  
are Pb  
lim.?
13. The combined total hours of operation for the two blast furnaces shall not exceed 7800 hours/yr. as requested by the applicant to exempt the facility from Section 17-2.650, F.A.C.

Issued this 26<sup>th</sup> day of January,  
1984.

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

Dan A. Williams

Dan A. Williams  
Acting District Manager



# GULF COAST LEAD CO.

## LEAD PRODUCTS - WHOLESALE ONLY

OFFICE AND PLANT  
1901 NORTH 66TH STREET • TAMPA, FLORIDA 33619  
PHONE: 626-0303-626-6151

December 6, 1983

RECEIVED

DEC 6 1983

H.C.E.P.C.

Mr. Jerry Campbell  
Hillsborough County Environmental  
Protection Commission  
1900 - 9th Avenue  
Tampa, Florida 33605

Dear Mr. Campbell:

On June 2, 1983 I wrote a letter to Mr. Iwan Choronenko requesting an exemption from the RACT regulations for our facility since our total particulate emissions are less than 5 pounds/hour, 15 tons/year.

You called my office December 1, 1983 and informed me that Gulf Coast Lead Company does qualify for the RACT exemption, however, we must assign maximum emission limits to all of our sources. The total of these emission limits must not exceed 5 pounds/hour, 15 tons/year. The emission limits must be set prior to December 7, 1983 or the permit renewal we applied for November 7, 1983 will be returned for lack of information. Below are the maximum emission limits and hours of operation we want reflected on the permit.

	#/hour	T/year	Hours of operation/yr.
Furnaces	2.0	8.16	8160
Lead and slag tap points	0.15	0.61	8160
Skip-hoist	0.55	2.24	8160
* Refining	1.0	3.60	7200
Keel Casting	0.20	0.24	2400
Total	3.9	14.85	

During your visit to Gulf Coast Lead Company, December 5, 1983 you also asked that we determine the maximum charge and production rates for the blast furnace. The maximum will be reflected on the permit and all stack tests must be conducted while operating within 10% of the rate. Follow is the maximum charge and production rates for the blast furnace.

Mr. Jerry Campbell  
December 6, 1983  
Page Two

Raw Materials Charged:	Pounds/hour	
Lead-bearing materials	7700	} Input 4,67 TPL
Coke	1030	
Limestone	190	
Cast iron	190	
Rerun slag	230	
Product Weight:	5375	

If you have any questions or require further information,  
please don't hesitate to call.

Sincerely,

GULF COAST LEAD COMPANY

*Joyce D. Morales-Caramella*  
Joyce D. Morales-Caramella  
Safety & Environmental Director

cc: Jim Essler, FDER  
Lonnie A. Payne, GCL  
Richard Bowman, Jr., GCL

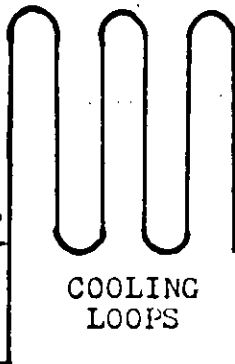
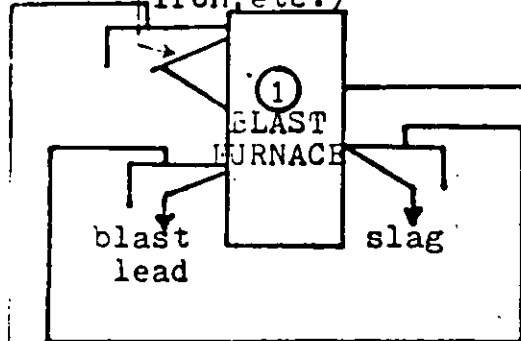
GULF COAST LEAD COMPANY

FLOW DIAGRAM

Backup furnace  
- presently disconnected

SKIP HOIST

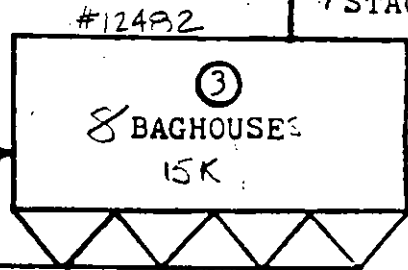
(blast charge: groups, coke, limestone, cast-iron, etc.)



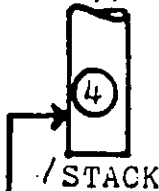
COOLING LOOPS



SLAG FURNACE

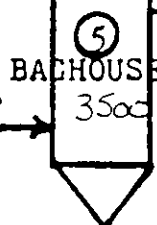


#12432  
8 BAGHOUSES  
15K



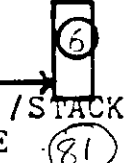
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#41831



BAGHOUSE  
3500

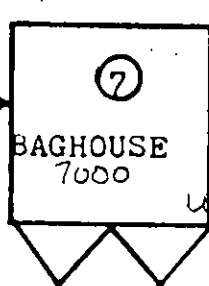
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(81)

from tapping points

skip hoist for charging



BAGHOUSE  
7000

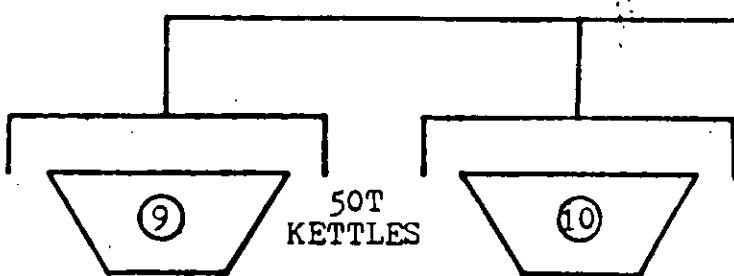


1/STACK

unpermitted

Previously on refined operation

FURNACE OPERATIONS



50T KETTLES

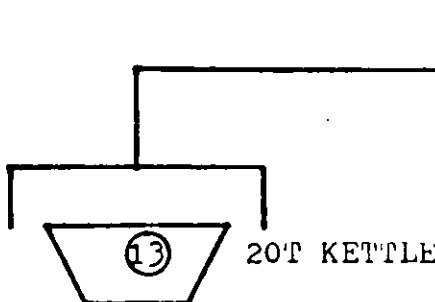


#40712  
#27109  
BAGHOUSE



1/STACK

REFINING OPERATIONS



20T KETTLE

BAGHOUSE  
#52355

1/STACK

FINAL CAST OPERATIONS

12-4-84

# COUNTY OF HILLSBOROUGH



## MEMORANDUM

Date December 4, 1984

To Jim Estler

From Jerry Campbell JC

Subject: Gulf Coast Lead's New Operating Permits

Having reviewed the applications and related correspondence, I recommend that two new and one amended operating permits be issued. I further recommend that the following specific conditions apply:

Blast Furnace Operations (Points 01, 04, 06)  
Point 01

1. Test the emissions from the main baghouse at intervals of 12 months from January, 1984, and submit a copy of test data to the Air Section of the Southwest District Office within forty five days of such testing (Section 17-2.700(2), Florida Administrative Code (F.A.C.)).

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Particulates | <input checked="" type="checkbox"/> Sulfur Oxides |
| <input type="checkbox"/> Fluorides               | <input type="checkbox"/> Nitrogen Oxides          |
| <input checked="" type="checkbox"/> Opacity      | <input type="checkbox"/> Hydrocarbons             |
| <input checked="" type="checkbox"/> Lead         | <input type="checkbox"/> Total Reduced Sulfur     |

\*Fuel analysis may be submitted for required sulfur dioxide emission test.

2. Maximum allowable emissions from the (emissions unit) shall be:

<u>Pollutant</u>	<u>Emissions Limitation</u>	<u>Regulation</u>
Particulates	2.50 #/hr	As requested by the permittee to exempt the facility from particulate RACT
Opacity	5%	As requested by the permittee to exempt the facility from particulate RACT
Lead	1.81 #/hr	Lead SIP

3. Compliance with the emission limitations of Specific Conditions Nos. 2 shall be determined using EPA Methods 1, 2, 3, 4, 6, 9, & 12 contained in 40 CFR 60, Appendix A and adopted by reference in Section 17-2.700, F.A.C. with the exception of the January, 1985, sulfur oxides test. The minimum requirements for stack sampling facilities, source sampling and reporting, shall be in accordance with Section 17-2.700, F.A.C. and 40 CFR 60, Appendix A.

4. The January, 1985, sulfur oxide test will be conducted by the same method used in the December, 1983, test.
5. If the sulfur oxides compliance test for January, 1985, indicates that SO<sub>2</sub> emissions have increased significantly over the 374 pounds per hour baseline established in 12/83, then the permittee shall reapply under the provisions of FAC 17-2.500. A significant increase here shall be defined as 10.2 pounds per hour over the baseline of 374. That works out to 40 tons per year over 7800 hours.
6. The visible emission test shall be 30 minutes in duration and it shall be conducted concurrent with one of the method #12 runs.
7. Testing of emissions must be accomplished within 10 percent of the rates as stated in this permit. Failure to submit the input rates or operation at conditions which do not reflect actual operating conditions may invalidate the data (Section 403.161(1)(c), Florida Statutes).
8. The maximum process weight rate shall be 4.58 tons per hour of raw material input. *formerly 4.67*
9. The total hours of operation of both blast furnaces shall not exceed 7800 hours per year.
10. Any changes to the physical stack characteristics or flow parameters listed in this application which could affect the maximum modelled impact of 0.293 ug of Pb/m<sup>3</sup>, shall be considered a modification of the permit. As a modification, the permittee would be required to submit an application for prior approval.
11. The Hillsborough County Environmental Protection Commission shall be notified in writing 15 days in advance of any compliance test to be conducted on this source.
12. Submit to the Hillsborough County Environmental Protection Commission 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 Section 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.

Point 04

1. Test the emissions from the baghouse controlling the tapping operation for the following pollutant(s) at intervals of 12 months from the date of January 1984 and submit a copy of test data to the Air Section of the Southwest District Office within forty five days of such testing (Section 17-2.700(2), Florida Administrative Code (F.A.C.)).

- |   |   |
|---|---|
| <input type="checkbox"/> Particulates       | <input type="checkbox"/> Sulfur Oxides        |
| <input type="checkbox"/> Fluorides          | <input type="checkbox"/> Nitrogen Oxides      |
| <input checked="" type="checkbox"/> Opacity | <input type="checkbox"/> Hydrocarbons         |
|   | <input type="checkbox"/> Total Reduced Sulfur |

\*Fuel analysis may be submitted for required sulfur dioxide emission test.

2. In January, 1985, the permittee will test the baghouse by EPA method #12 for particulate and lead. If the test results are favorable, then the permittee will not be required to retest for these parameters until the permit is renewed.

3. Maximum allowable emissions from the (emissions unit) shall be:

<u>Pollutant</u>	<u>Emissions Limitation</u>	<u>Regulation</u>
Particulates	0.15 #/hour	As requested by the permittee to exempt the facility from particulate RACT.
Opacity	5%	As requested by the permittee to exempt the facility from particulate RACT.
Lead	0.06 #/hour	Lead SIP

4. The visible emission test shall be 30 minutes in duration and it shall be read only while tapping is occurring.

5. The total hours of operation of both blast furnaces shall not exceed 7800 hours per year.

6. Any changes to the physical stack characteristics or flow parameters listed in this application which could affect the maximum modelled impact of 0.088 ug of Pb per cubic meter, shall be considered a modification of this permit. As a modification, the permittee would be required to submit an application for prior approval.

7. The Hillsborough County Environmental Protection Commission shall be notified in writing 15 days in advance of any compliance test to be conducted on this source.

8. Submit to the Hillsborough County Environmental Protection Commission 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 Section 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.

Point 06

1. Test the emissions from the baghouse controlling the charging operation for the following pollutant(s) at intervals of 12 months from the date of January 1984 and submit a copy of test data to the Air Section of the Southwest District Office within forty five days of such testing (Section 17-2.700(2), Florida Administrative Code (F.A.C.)).

<input type="checkbox"/> Particulates	<input type="checkbox"/> Sulfur Oxides
<input type="checkbox"/> Fluorides	<input type="checkbox"/> Nitrogen Oxides
<input checked="" type="checkbox"/> Opacity	<input type="checkbox"/> Hydrocarbons
	<input type="checkbox"/> Total Reduced Sulfur

\*Fuel analysis may be submitted for required sulfur dioxide emission test.

2. In January, 1985, the permittee will test the baghouse by EPA method #12 for particulate and lead. If the test results are favorable, then the permittee will not be required to retest for these parameters until the permit is renewed.

3. Maximum allowable emissions from the (emissions unit) shall be:

<u>Pollutant</u>	<u>Emissions Limitation</u>	<u>Regulation</u>
Particulates	0.55 #/hour	As requested by the permittee to exempt the facility from particulate RACT
Opacity	5%	As requested by the permittee to exempt the facility from particulate RACT
Lead	0.22 #/hour	Lead SIP

4. The visible emission test shall be 30 minutes in duration and it shall be read only while charging is occurring.
5. The total hours of operation of both blast furnaces shall not exceed 7800 hours per year.
6. Any changes to the physical stack characteristics or flow parameters listed in this application which could affect the maximum modelled impact of 0.118 ug of Pb per cubic meter, shall be considered a modification of this permit. As a modification, the permittee would be required to submit an application for prior approval.
7. The Hillsborough County Environmental Protection Commission shall be notified in writing 15 days in advance of any compliance test to be conducted on this source.



Memorandum  
Jim Estler  
December 4, 1984  
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8. Submit to the Hillsborough County Environmental Protection Commission 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 Section 17-4.14, F.A.C.

Lead Refining Operation (Point 02)

1. Test the emissions for the following pollutant(s) at intervals of 12 months from January 1984 and submit a copy of test data to the Air Section of the Southwest District Office within forty five days of such testing (Section 17-2.700(2), Florida Administrative Code (F.A.C.)).

<input checked="" type="checkbox"/> Particulates	<input type="checkbox"/> Sulfur Oxides
<input type="checkbox"/> Fluorides	<input type="checkbox"/> Nitrogen Oxides
<input checked="" type="checkbox"/> Opacity	<input type="checkbox"/> Hydrocarbons
<input checked="" type="checkbox"/> Lead	<input type="checkbox"/> Total Reduced Sulfur

\*Fuel analysis may be submitted for required sulfur dioxide emission test.

2. Maximum allowable emissions from the (emissions unit) shall be:

<u>Pollutant</u>	<u>Emissions Limitation</u>	<u>Regulation</u>
Particulates	1.0 #/hour	As requested by the permittee to exempt the facility from particulate RACT
Opacity	5%	As requested by the permittee to exempt the facility from particulate RACT
Lead	0.4 #/hour	Lead SIP

3. Compliance with the emission limitations of Specific Conditions Nos. 2 shall be determined using EPA Methods 1, 2, 3, 4, 9 and 12 contained in 40 CFR 60, Appendix A and adopted by reference in Section 17-2.700, F.A.C. The minimum requirements for stack sampling facilities, source sampling and reporting, shall be in accordance with Section 17-2.700, F.A.C. and 40 CFR 60, Appendix A.
4. The visible emission test shall be 30 minutes in duration and it shall be concurrent with one of the method #12 runs.
5. Testing shall be conducted while 2 of the kettles are in operation and they are to be identified in the test report. The kettles operating during the test shall be alternated from year to year so that over a 2 year period all 3 will have been tested.
6. The hours of operation for the refining area covered under this permit shall not exceed 4368 per year.

7. The periodic replacement of a kettle liner due to the abuse of the soft lead refining process will be considered maintenance and will not require a construction application.
8. Any changes to the physical stack characteristics or flow parameters listed in this application which could affect the maximum modelled impact of 0.294 ug of Pb per cubic meter, shall be considered a modification of this permit. As a modification, the permittee would be required to submit an application for prior approval.
9. The Hillsborough County Environmental Protection Commission shall be notified in writing 15 days in advance of any compliance test to be conducted on this source.
10. Submit to the Hillsborough County Environmental Protection Commission 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 Section 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.

Keel Casting Operation (Point 05)

1. Test the emissions for the following pollutant(s) at intervals of 12 months from January 1984 and submit a copy of test data to the Air Section of the Southwest District Office within forty five days of such testing (Section 17-2.700(2), Florida Administrative Code (F.A.C.)).

- |   |   |
|---|---|
| <input type="checkbox"/> Particulates       | <input type="checkbox"/> Sulfur Oxides        |
| <input type="checkbox"/> Fluorides          | <input type="checkbox"/> Nitrogen Oxides      |
| <input checked="" type="checkbox"/> Opacity | <input type="checkbox"/> Hydrocarbons         |
|   | <input type="checkbox"/> Total Reduced Sulfur |

\*Fuel analysis may be submitted for required sulfur dioxide emission test.

2. Maximum allowable emissions from the (emissions unit) shall be:

<u>Pollutant</u>	<u>Emissions Limitation</u>	<u>Regulation</u>
Particulates	0.20	As requested by the permittee to exempt the facility from particulate RACT
Opacity	5%	As requested by the permittee to exempt the facility from particulate RACT
Lead	0.08	Lead SIP

Memorandum  
Jim Estler  
December 4, 1984  
Page 7

3. In January, 1985, the permittee will test this source by EPA Method #12 for particulate and lead. If the test results are favorable, then the permittee will not be required to retest for these parameters until the permit is renewed.
4. The visible emission test shall be 30 minutes in duration.
5. Testing of emissions must be accomplished within 10 per cent of the rates as stated in this permit. Failure to submit the input rates or operation at conditions which do not reflect actual operating conditions may invalidate the data (Section 403.161(1)(c), Florida Statutes).
6. The maximum process weight rate shall be 2.33 tons per hour.
7. The hours of operation of this source shall not exceed 2400 per year.
8. Any changes to the physical stack characteristics or flow parameters listed in this application which could affect the maximum modelled impact of 0.118 ug of Pb per cubic meter, shall be considered a modification of this permit. As a modification, the permittee would be required to submit an application for prior approval.
9. The Hillsborough County Environmental Protection Commission shall be notified in writing 15 days in advance of any compliance test to be conducted on this source.
10. Submit to the Hillsborough County Environmental Protection Commission 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 Section 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.

If you have any questions or comments concerning the above items, please contact me.

11-21-84

TO: Files

FROM: Jew Campbell

DATE: November 21, 1984

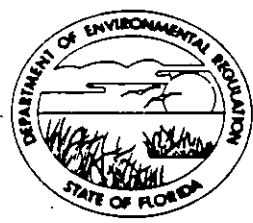
SUBJECT: Attached Information on Permits for  
de Tapping Baghouse

In November, 1984, DER and EPC decided to issue a single permit for the two blast furnaces and the one slag furnace. There are 3 baghouses controlling these sources. The main baghouse is point 01; the tapping baghouse is point 04 and the charging baghouse is point 06. The Attached material is for point 04.

11-7-83

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHWEST DISTRICT  
7801 HIGHWAY 301 NORTH  
TAMPA, FLORIDA 33610



RECEIVED  
NOV 7 1983

BOB GRAHAM  
GOVERNOR  
VICTORIA J. TSCHINKEL  
SECRETARY  
WILLIAM K. HENNESSEY  
DISTRICT MANAGER

H.C.E.P.C.

\$ 140.00  
11/7/83  
PAID  
H.C.E.P.C.

APPLICATION FOR RENEWAL OF  
PERMIT TO OPERATE AIR POLLUTION SOURCE(S)

If major alterations have occurred, the applicant should complete the Standard Air Permit Application Form.

Source Type: Secondary Lead Smelter Renewal of DER Permit No. A029-12482

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; Peaking Unit No. 2, Gas Fired):

2 Blast furnaces and a slag furnace with baghouses (8)

Source Location: Street: 1901 N. 66th Street City: Tampa,

UTM: East 364.048 North 3093.548

Latitude: 27° 57' 44" N. Longitude: 82° 22' 55" W.

1. Attach a check made payable to the Department of Environmental Regulation in accordance with operation permit fee schedule set forth in Florida Administrative Code Rule 17-4.05.
2. Have there been any alterations to the plant since last permitted?  Yes  No  
If minor alterations have occurred, describe on a separate sheet and attach.
3. Attach the last compliance test report required per permit conditions if not submitted previously. Emissions tests were conducted in January 1983. Reports were submitted to HCEPC and FDER in February 1983.
4. Have previous permit conditions been adhered to?  Yes  No If no, explain on a separate sheet and attach.
5. Has there been any malfunction of the pollution control equipment during tenure of current permit?  Yes  No If yes, and not previously reported, give brief details and what action was taken on a separate sheet and attach. Copy of Notice issued by HCEPC and subsequent correspondence is attached.
6. Has the pollution control equipment been maintained to preserve the collection efficiency last permitted by the Department?  Yes  No
7. Has the annual operating report for the last calendar year been submitted?  Yes  No If no, please attach. The annual emissions report was submitted to HCEPC in April 1983.

B. Please provide the following information if applicable:

A. Raw Materials and Chemical Used in Your Process:

Description	Contaminant Type	%Wt	Utilization	
			Rate	lbs/hr
(1) Lead-bearing materials	oxides, plastic, misc.	30%	6000	
(2) Coke			800	
(3) Limestone			150	
(4) Cast iron			150	
(5) Rerun slag			180	

B. Product Weight (lbs/hr): 4300 lbs/hr

C. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	Avg/hr*	Max/hr**	
Coke	800 lbs/hr	960	Alabama By-Products Birmingham, Alabama

D. Normal Equipment Operating Time: hrs/day 24; days/wk 7; wks/yr 45;  
 hrs/yr (power plants only) \_\_\_\_\_; if seasonal, describe N/A

The undersigned owner or authorized representative\*\*\* of Gulf Coast Lead Company is fully aware that the statements made in this application for a renewal of a permit to operate an air pollution source are true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and operate the pollution source and pollution control facilities in such a manner as to comply with the provisions of Chapter 403, Florida Statutes, and all the rules and regulations of the Department. He also understands that a permit, if granted by the Department, will be non-transferable and he will promptly notify the Department upon sale or legal transfer of the permitted facility.

\*During actual time of operation.

\*\*Units: Natural Gas-MMCF/hr;  
 Fuel Oils-barrels/hr; Coal-lbs/hr.

\*\*\*Attach letter of authorization if not previously submitted

Lonnie A Payne  
 Signature, Owner or Authorized Representative  
 (Notarization is mandatory)  
Lonnie A. Payne, President  
 Typed Name and Title  
1901 N. 66th Street  
 Address  
Tampa Fl. 33619  
 City State Zip  
November 7, 1983 (813) 626-6151  
 Date Telephone No.

DER Form 17-1.202(4)  
 Effective November 30, 1982

WITNESS my hand and official seal, this 7th day of November  
 A.D., 1983.

Jay D. ...  
 Notary Public, State of Florida at Large  
 My Commission Expires Oct. 4, 1987

9-29-83 JC.

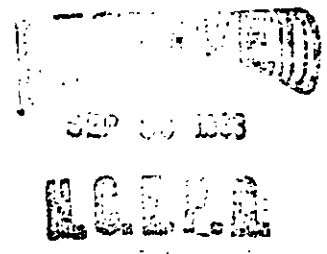


# GULF COAST LEAD CO.

## LEAD PRODUCTS - WHOLESALE ONLY

OFFICE AND PLANT  
1901 NORTH 66TH STREET • TAMPA, FLORIDA 33619  
PHONE: 626-0303-626-6151

September 29, 1983



Mr. Jerry Campbell  
Air Engineering Department  
Hillsborough County Environmental  
Protection Commission  
1900 - 9th Avenue  
Tampa, Florida 33605

Dear Mr. Campbell:

Florida Department of Environmental Regulation (FDER) permit # A029-12482 for operation of two blast furnaces and one slagging furnace at Gulf Coast Lead Company expired on September 15, 1983.

As discussed in our meeting September 21, 1983 with you and representatives of the FDER, we were prepared to submit an application to you by September 23, 1983. However, you have indicated that we must conduct an emission test on the stack which vents the baghouses serving the blast furnace skip-hoist enclosure prior to submitting the application.

The emission test on the skip-hoist baghouses is scheduled to be conducted by Environmental Engineering Consultants, Inc. on Thursday, October 6, 1983, starting at 8:00am. The permit application for the blast furnace operations will be submitted the week following the emission test.

If you have any questions, please don't hesitate to call.

Sincerely,  
GULF COAST LEAD COMPANY

*Joyce D. Morales-Caramella*  
Joyce D. Morales-Caramella,  
Safety & Environmental Director

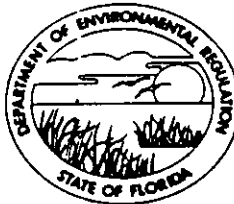
cc: Bill Thomas, FDER  
Jim Essler, FDER  
Jack Fross, EECI

RCVD 11/1/84

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHWEST DISTRICT

7601 HIGHWAY 301 NORTH  
TAMPA, FLORIDA 33610



#140<sup>oc</sup> 11/14/84  
PAID  
H.C.E.P.C.

BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

WILLIAM K. HENNESSEY  
DISTRICT MANAGER

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Secondary Lead Smelter [ ] New<sup>1</sup> [X] Existing<sup>1</sup>

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

COMPANY NAME: Gulf Coast Lead Company, Inc. COUNTY: Hillsborough

Identify the specific emission point source(s) addressed in this application (i.e. Lime  
2 blast furnaces and 1  
Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired) flue dust agglomeration  
Furnace w/baghouses

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

UTM: East 364.048 North 3093.548

Latitude 27° 57' 43" N Longitude 82° 22' 49" W

APPLICANT NAME AND TITLE: Willis M. Kitchen, Vice President

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

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative\* of Gulf Coast Lead Co., Inc.

I certify that the statements made in this application for a Air pollution source 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: Willis M. Kitchen

Willis M. Kitchen, Vice President  
Name and Title (Please Type)

Date: Nov 1, 1984 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 ~~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

<sup>1</sup> See Florida Administrative Code Rule 17-2.100(57) and (104)



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

Signed \_\_\_\_\_

Robert E. Wallace, III, P.E.

Name (Please Type)

Environmental Engineering Consultants, Inc.

Company Name (Please Type)

Post Office Box 7854 Tampa, Fl. 33673 ,

Mailing Address (Please Type)

Florida Registration No. 21608

Date: Nov. 1, 1984

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.

Controlling particulate emissions from one blast furnace, one flue dust agglomeration furnace, furnaces' tap points and blast furnace skip hoist with eleven baghouses. Eight baghouses are

designated to the main ventilation on the furnaces, one to the tap points ventilation system, and two to the skip hoist ventilation system. This project will be in full compliance. Note: Only one blast furnace operates at a time. The second is a back-up only.

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

Start of Construction \_\_\_\_\_

Completion of Construction \_\_\_\_\_

- 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.)

Eleven baghouses, three blower motors, three stacks, ductwork,

hoods, engineering and installation : \$400,000.

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

AO29-78246 Issued: 01-26-84 Expires: 01-06-89

AO29-41831 Issued: 08-28-81 Expires: 04-20-86

E. Requested permitted equipment operating time: hrs/day 24; days/wk 7; wks/yr 46.4;  
if power plant, hrs/yr \_\_\_\_\_; if seasonal, describe: These sources operate 325  
days per year for a total of 7800 hours per year.

F. 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 Deterioration" (PSD)  
requirement 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? \_\_\_\_\_

- 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.

H. See Attachment B (Table 1)

ould be

of Con-  
struction

Part 60

rces (If

See  
data for each stack): Attachment

: \_\_\_\_\_ ft.

perature: \_\_\_\_\_ °F.

\_\_\_\_\_ FPS

N N/A

Type V (Liq. & Gas By-prod.)	Type VI (Solid By-prod.)

city (lbs/hr) \_\_\_\_\_

k \_\_\_\_\_ wks/yr. \_\_\_\_\_

BTU/hr	Temperature (°F)

Stack Temp. \_\_\_\_\_

elocity: \_\_\_\_\_ FPS

ons rate in grains per stan-

er [ ] Afterburner

VICES (Other than Incinerators)

if applicable:

ization lbs/hr	Relate to Flow Diagram
0	Attachment C
30	1-8
90	1-8
90	1-8
30	

1)

a table must be submitted for each  
)

le <sup>3</sup> on r	Potential <sup>4</sup> Emission <sup>b</sup>		Relate to Flow Diagram
	lbs/hr	T/yr	
s/yr	320	1248	1-8
/hr	209	815.1	1-8
lity			

g. Rule 17-2.600(5)(b)2. Table II,

d.

tion V, Item 3).

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)
Baghouse - Wheel- abrator - Frye Model 126 or equivalent (Two of the eleven baghouses were patterned after the Model 126 but were fabricated by GCL.	Particulate	99%	>1 micron	Manufacturer

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
Coke	1030	1500	9.75

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

Fuel Analysis:

Percent Sulfur: 0.58 Percent Ash: 5.4  
 Density: N/A lbs/gal Typical Percent Nitrogen: N/A  
 Heat Capacity: 13,000 BTU/lb N/A BTU/gal  
 Other Fuel Contaminants (which may cause air pollution): \_\_\_\_\_

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

Annual Average \_\_\_\_\_ Maximum \_\_\_\_\_

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

Slag is disposed of in an approved and permitted landfill.

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.
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).
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.)
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).
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.
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).
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.

5. Useful Life:

6. Operating Costs:

7. Energy:

8. Maintenance Cost:

9. Emissions:

Contaminant

Rate or Concentration

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:<sup>1</sup>
  - d. Capital Cost:
  - e. Useful Life:
  - f. Operating Cost:
  - g. Energy:<sup>2</sup>
  - 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:<sup>1</sup>
  - d. Capital Cost:
  - e. Useful Life:
  - f. Operating Cost:
  - g. Energy:<sup>2</sup>
  - h. Maintenance Cost:
  - i. Availability of construction materials and process chemicals:

<sup>1</sup>Explain method of determining efficiency.

<sup>2</sup>Energy to be reported in units of electrical power - KWH design rate.

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration


(8) Process Rate:<sup>1</sup>

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration


(8) Process Rate:<sup>1</sup>

10. Reason for selection and description of systems:

<sup>1</sup>Applicant 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 N/A

A. Company Monitored Data

1. \_\_\_\_\_ no. sites \_\_\_\_\_ TSP \_\_\_\_\_ ( ) SO<sub>2</sub>\* \_\_\_\_\_ 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

8. 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
ISP	_____ grams/sec
SO <sup>2</sup>	_____ 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.