

MAY 01 1992

5-1-92
REFINING

Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-620-6100

Carol M. Browner, Secretary

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
NOTICE OF PERMIT ISSUANCE

CERTIFIED MAIL

Mr. Willis M. Kitchen
President
Gulf Coast Recycling, Inc.
1901 North 66th Street
Tampa, FL 33619

DER File No.: A029-173309
County: Hillsborough

Enclosed is Permit Number A029-173309 to operate the lead refining area, issued pursuant to Section 403.087, Florida Statutes.

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

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner; the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by petitioner, if any;
- (e) A statement of facts which petitioner contends justify the reversal or modification of the Department's action or proposed action.

(f) A statement of which rules or statutes petitioner contends required reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

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

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

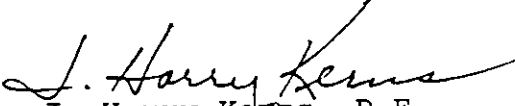
When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of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

Gulf Coast Recycling, Inc.
Tampa, FL 33619

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Executed in Tampa, Florida

Sincerely,


J. Harry Kerns, P.E.
District Air Engineer

JHK/DJG/bm

Attachment:

cc: Environmental Protection Commission
of Hillsborough County
Robert E. Wallace, P.E., Environmental Engineering Consultants,
Inc.

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT ISSUANCE and all
copies were mailed by certified mail before the close of business on
APR 30 1992 to the listed persons.

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


Clerk

APR 30 1992
Date



Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-620-6100

Carol M. Browner, Secretary

PERMITTEE:
Gulf Coast Recycling, Inc.
1901 North 66th Street
Tampa, FL 33619

PERMIT/CERTIFICATION
Permit No: A029-173309
County: Hillsborough
Expiration Date: 04/28/97
Project: Refining Operation

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents, attached hereto or on file with the department and made a part of hereof and specifically described as follows:

For the operation of the lead refining area. The lead refining area consists of three (3) refining kettles. Each kettle has a charging capacity of 52 tons per batch, is fired solely on natural gas with a maximum heat input rate of 4.0 MMBtu/hr. per kettle. Each kettle produces a different lead product as detailed below:

Kettle No. 1 - Constructed in 1978 under the Department Permit No. AC29-126056. The kettle is used primarily to produce hard lead using a combination of blast lead, antimony, arsenic, sulfur, tin, red phosphorus and selenium, or to produce soft lead.

Kettle No. 2 - Constructed in 1980 under the Department Permit No. AC29-21078. The kettle is used primarily to produce calcium lead using a combination of soft lead from kettle No. 3 or No. 1, calcium and aluminum.

Kettle No. 3 - Constructed in 1984 without a Department permit and later covered by the after-the-fact Department Permit No. AC29-184883 issued in 1991. The kettle is used primarily to produce soft lead using a combination of blast lead, sodium nitrate, sodium hydroxide, sulfur, red phosphorus and aluminum or to produce hard lead.

Emissions of particulate matter and lead generated from the lead refining area are controlled by two (2) Wheelabrator-Frye, Model 126 baghouses in parallel and exhausted through a common stack at a design air flow rate of 15,714 dscfm.

Location: 1901 North 66th Street, Tampa

UTM: 17-364.0 E 3093.6 N NEDS NO: 0057 Point ID: 02

Replaces Permit No.: AC29-184883 and A029-95365

PERMITTEE:
Gulf Coast Recycling, Inc.

PERMIT/CERTIFICATION NO.: AO29-173309
PROJECT: Refining Operation

SPECIFIC CONDITIONS:

1. A part of this permit is the attached 15 General Conditions.
2. Total maximum allowable emissions of particulate matter from the lead refining area baghouse shall not exceed 0.03 gr/dscf, 4.04 pounds per hour and 12.12 tons per year. [Rule 17-2.650(2)(c)12.b., F.A.C.]
3. Total maximum allowable emissions of lead from the lead refining area baghouse shall not exceed 0.20 pounds per hour and 0.60 tons per year. [Permit No. AC29-184883]
4. Visible emissions from the lead refining area baghouse and building shall not exceed five (5) percent opacity. [40 CFR 52.535(c)(1)ii and vi]
5. The following restrictions and limitations shall apply for any consecutive twelve (12) month period: [Rule 17-4.070(3), F.A.C.]
 - A) Hours of Operation: 6,000 hrs.
 - B) Maximum Heat Input Rate: 4.0 MMBtu/hr. per kettle
 - C) Fuel(s): Natural Gas
 - D) Operating Mode: Only two (2) kettles may be operating at a time
 - E) Production: 30,000 tons/yr. of finished lead
6. Any time that a kettle is being heated to refine lead or to bring it to temperature prior to receiving a charge of lead or it contains a charge of lead irregardless of whether heat is being applied, the kettle shall be vented to the baghouse and the baghouse shall be operational. This time shall count towards the 6,000 hours allowed during any twelve (12) consecutive month period.
7. Test the emissions from the lead refining operation baghouse and the lead refining kettles for the following pollutant(s) at intervals of 12 months (\pm 30 days) from November 13, 1991 and submit 2 copies of test data to the Air Section of the Environmental Protection Commission of Hillsborough County office within forty-five days of such testing. Testing procedures shall be consistent with the requirements of Rule 17-2.700(2), F.A.C.:

<input checked="" type="checkbox"/> Particulates	<input checked="" type="checkbox"/> Lead
<input checked="" type="checkbox"/> Opacity	
8. Compliance with the emission limitations of Specific Condition Nos. 2, 3 and 4 shall be determined using EPA Methods 1, 2, 3, 4, 5, 9 and 12 contained in 40 CFR 60, Appendix A and adopted by reference in Rule 17-2.700, F.A.C. In the case of Method 9, Section 2.5 shall be excluded, pursuant to CFR 52.535(b)(5); thus waiving the six minute averaging period and establishing an instantaneous standard. The minimum requirements for stack sampling facilities, source sampling and reporting, shall be in accordance with Rule 17-2.700, F.A.C. and 40 CFR 60, Appendix A.

PERMITTEE:
Gulf Coast Recycling, Inc.

PERMIT/CERTIFICATION NO.: AO29-173309
PROJECT: Refining Operation

SPECIFIC CONDITIONS: (continued)

9. The visible emission tests on the lead refining area baghouse and the building shall be at least thirty (30) minutes in duration pursuant to Section 17-2.700, F.A.C., and shall be conducted concurrent with one of the Method 12 runs. [Permit No. AC29-184883]

10. The discharge of air pollutants which cause or contribute to an objectionable odor is prohibited. [Rule 17-2.620(2), F.A.C.]

11. Testing of emissions must be accomplished while two (2) kettles are operating. The actual charging rate and type of materials charged during the test shall be specific in each test result. Failure to include the actual process or production rate in the results may invalidate the test. [Rule 17-4.070(3), F.A.C.]

12. Non-process fugitive emissions (road dust, stockpiles, plant grounds, etc.) shall be minimized. Minimization efforts shall include such fugitive dust suppression activities as chemical stabilization, water spraying with appropriate runoff collection, resurfacing, sweeping, revegetation, and other EPA approved methods. [40 CFR 52.535(b)(2)]

13. The permittee shall maintain continuous records of plant process and emission control operations as necessary to determine continuous compliance. Such records shall include reports of all process operations and control equipment operating parameters. Such records shall also include reports of all types of process upsets and emission control equipment malfunctions detailing the nature and duration of the upset or malfunction, the expected effects on emissions, and the corrective actions taken or planned to avoid recurrences. Such records shall be available at the plant site for inspection for a period of at least two (2) years. [40 CFR 52.535(b)(4)]

14. The Environmental Protection Commission of Hillsborough County shall be notified in writing 15 days in advance of any compliance test to be conducted on this source. [Rules 17-2.800 and 17-2.710, F.A.C.]

15. Submit for this facility, each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following information pursuant to Subsection 403.061(13), Florida Statutes:

- 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.

Duplicate copies of all reports shall be submitted to the Environmental Protection Commission of Hillsborough County.

PERMITTEE:
Gulf Coast Recycling, Inc.

PERMIT/CERTIFICATION NO.: A029-173309
PROJECT: Refining Operation

SPECIFIC CONDITIONS: (continued)

16. Operation and Maintenance Plan for Particulate Control: [Rule 17-2.650(2), F.A.C.]

A) Process Parameters:

1. Source Designators: Lead Refining Area
2. Baghouse Manufacturer: Gulf Coast Recycling, Inc.
3. Model Name and Number: Similar to Wheelabrator-Frye, Model No. 126, Dust Tube Dust Collector
4. Design Flow Rate: 17,000 ACFM
5. Efficiency Rating at Design Capacity: 99+%
6. Pressure Drop: 1-5" H₂O
7. Air to Cloth Ratio: 2 to 1
8. Bag Weave: Sateen Weave
9. Bag Material: 10 oz. Acrylic, Snow Filtration #7-137
10. Bag Cleaning Conditions: Shaker
11. Gas Flow Rate: 14,000 to 16,500 ACFM
12. Gas Temperatures: 95 to 100° outlet
13. Stack Height Above Ground: 25 ft.
14. Exit Diameter: 2 feet
15. Exit Velocity: 70 f.p.s.
16. Water Vapor Content: 2.0 %
17. Process Controlled by Collection System: Lead Refining Area
18. Material Handling Rate: 52 tons per charge
19. Operation Schedule: 24 hrs./day; 5 days/wk.; 50 wks./yr.

B) The following observations, checks and operations apply to this source and shall be conducted on the schedule specified:

Operation Plan

1. The baghouses' fan shall be turned on prior to charging the refining kettles and shall remain on until all of the lead is pumped from the kettle.
2. Every morning the refining area is in operation, a leadman or foreman in the refining area will manually actuate the shaker motors and shake the bags for a minimum of two minutes.

Maintenance Plan

1. Manometer readings will be looked at each day the baghouses are in use. If the pressure drop is greater than four inches, the compartment will be shutdown and the bags shaken for a minimum of two minutes. If this does not decrease the pressure drop, the baghouse may be entered to determine the problem.
2. The shaker motors will be inspected by a maintenance man approximately three times each week.

PERMITTEE:
Gulf Coast Recycling, Inc.

PERMIT/CERTIFICATION NO.: A029-173309
PROJECT: Refining Operation

SPECIFIC CONDITIONS: (continued)

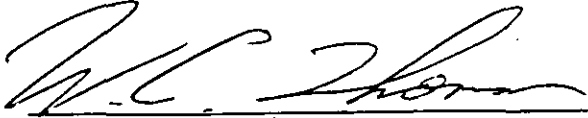
3. The stack will be observed each day for visible opacity. If there are any detectable emissions, the system will be checked and baghouses entered, as necessary.
4. A complete visual inspection of the hoods, ductwork, baghouses and fans will be conducted at least once each month to check for outward signs of damage, leaks, etc. Any damage will be repaired immediately.
5. The baghouse hoppers shall be emptied at least once each week.
6. Capture velocities within the hoods and crossing enclosures, in the refining area, will be measured quarterly. Low measurements will result in a thorough inspection of the ductwork, hoods, baghouses, etc.
7. This source shall be tested once each year in accordance with the permit requirements for the source.

C) Records:

Records of inspections, maintenance, and performance parameters shall be retained for a minimum of two years and shall be made available to the Department or Environmental Protection Commission of Hillsborough County upon request. [Rule 17-2.650(2)(g)5., F.A.C.]

17. An application for renewal of permit to operate this source, completed in quadruplicate, shall be submitted to the Environmental Protection Commission of Hillsborough County at least 60 days prior to its expiration date. [Rule 17-4.090, F.A.C.]

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION


For Richard Garrity, Ph.D.
Director of District Management

ATTACHMENT - GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, State, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this 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 easement interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties hereafter; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are 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 may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
 - (a) Have access to and copy any records that must be kept under conditions of the permit;
 - (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and

14. The permittee shall comply with the following:

- (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- (c) Records of monitoring information shall include:
 - 1. the date, exact place, and time of sampling or measurements;
 - 2. the person responsible for performing the sampling or measurements;
 - 3. the dates analyses were performed;
 - 4. the person responsible for performing the analyses;
 - 5. the analytical techniques or methods used;
 - 6. 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 the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.