

P167682498

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse)

SENT TO
C. A. Hooley

STREET AND NO.
P.O. Box 40626

P.O., STATE AND ZIP CODE
New Orleans, LA 70166

POSTAGE \$

CERTIFIED FEE	c
SPECIAL DELIVERY	c
RESTRICTED DELIVERY	c
SHOW TO WHOM AND DATE DELIVERED	c
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	c
SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	c
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	c

TOTAL POSTAGE AND FEES \$

POSTMARK OR DATE
3/8/82

PS Form 3800, Apr. 1976

PS Form 3811, Jan. 1978

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

SENDER: Complete items 1, 2, and 3.
Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one.)
 Show to whom and date delivered.....¢
 Show to whom, date and address of delivery.....¢
 RESTRICTED DELIVERY
 Show to whom and date delivered.....¢
 RESTRICTED DELIVERY.
 Show to whom, date, and address of delivery \$ ____

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
C. A. Hooley
P.O. Box 40626
New Orleans, LA 70166

3. ARTICLE DESCRIPTION:

REGISTERED NO.	CERTIFIED NO.	INSURED NO.
	<i>7682498</i>	

 (Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE Addressee Authorized agent

4. DATE OF DELIVERY
3/11/82

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE:

NEW ORLEANS, LA
MAR 11 1982
USPOLEK'S INITIALS

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301



BOB GRAHAM
GOVERNOR

Victoria J. Tschinkel
SECRETARY

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

March 8, 1982

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

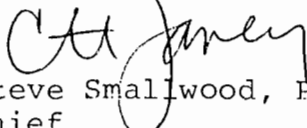
C. A. Woolley
Exxon Corporation
Post Office Box 60626
New Orleans, Louisiana 70160

Dear Mr. Woolley:

Enclosed is Permit Number AC 57-50572, dated March 5, 1982
to Exxon Corporation
issued pursuant to Section 403, Florida Statutes.

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 actions for violation of the conditions and requirements thereof.

Sincerely,

for 
Steve Smallwood, P.E.
Chief
Bureau of Air Quality Management

SS:pa

cc: Paul F. Frederick, Exxon Company, U.S.A.
Jack Preece, FDER, Northwest District

Exxon Corporation

Santa Rosa County

Permit Number:

AC 57-50572

Florida Department of Environmental Regulation

Bureau of Air Quality Management

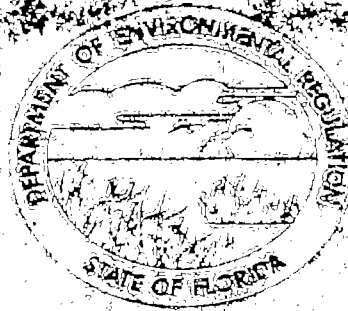
Central Air Permitting

March 3, 1982

Exxon Corporation

The Bureau of Air Quality Management has reviewed the construction permit application from Exxon Corporation for conversion of their Santa Rosa sulfur recovery facility to strictly a sour gas and oil separation station. The notice of the Department's proposed action was published in the Pensacola News on January 28, 1982 and the technical package was available for public inspection at the DER Northwest District Office in Pensacola, and the Bureau of Air Quality Management.

No letters or comments were received on the proposed action as a result of the public notice. Therefore, the construction permit will be issued with the conditions as given in the proposed permit.



STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL REGULATION

CONSTRUCTION
PERMIT

NO. AC 57-50572

EXXON CORPORATION
SANTA ROSA FACILITY

DATE OF ISSUANCE

March 5, 1982

DATE OF EXPIRATION

OCTOBER 31, 1982

Terry Cole
VICTORIA J. TSCHINKEL
SECRETARY

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301



BOB GRAHAM
GOVERNOR

Victoria J. Tschinkel
SECRETARY

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

APPLICANT: Exxon Corporation
P. O. Box 60626
New Orleans, Louisiana 70160

PERMIT/CERTIFICATION
NO. AC 57-50572

COUNTY: Santa Rosa

PROJECT: Sour gas
compression station/
flare

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Chapter 17-2 and 17-4, 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:

Construction of a smokeless flare to control sour gas leaks from a converted sour gas and oil separation station.

Attachment:

Application to Construct Air Pollution Sources, DER Form 17-1.122(16).

PERMIT NO.: AC 57-50572
APPLICANT: Exxon Corporation

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 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, 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.: AC 57-50572
APPLICANT: Exxon Corporation

SPECIFIC CONDITIONS:

1. The flare shall not exhibit visible emissions of 20% opacity or greater.
2. Operation of the facility shall be such so as to preclude objectionable odors.
3. Compliance with the visible emissions limitation shall be determined using EPA Test Method 9. At least 30 days notification shall be provided to the DER Northwest District Office prior to compliance testing.
4. An annual operating report shall be submitted to the Northwest District Office. This report shall contain sour gas production.
5. This flare shall not be operated at the same time the Santa Rosa sulfur recovery/thermal oxidizer is operating.
6. Prior to 90 days before the expiration of this permit a complete application for an operating permit and compliance test results shall be submitted to the DER, Northwest District Office. Full operation of the source may then be conducted in compliance with the terms of this permit until expiration or receipt of an operating permit.

Expiration Date: October 31, 1982

Issued this 5 day of March, 1982

_____ Pages Attached.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

Terry Cole
Signature

PAGE 3 OF 3

State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

INTEROFFICE MEMORANDUM

For Routing To District Offices And/Or To Other Than The Addressee		
To: _____	Loctn.: _____	
To: _____	Loctn.: _____	
To: _____	Loctn.: _____	
From: _____	Date: _____	
Reply Optional []	Reply Required []	Info. Only []
Date Due: _____	Date Due: _____	

RECEIVED

TO: Victoria J. Tschinkel **MAR 6 1982**
FROM: C. H. Fancy *Clay* **Office of the Secretary**
DATE: March 5, 1982
SUBJ: Approval and Signature of Attached Air
Construction Permit

Attached please find one Air Construction Permit for Exxon Corporation, Santa Rosa County. Day 90, after which the permit would be issued by default is March 14, 1982.

The Bureau recommends your approval and signature.

CHF/bjm

Attachment

→ P 4/19

Check Sheet

Company Name: *Exxon Corporation*
Permit Number: *AC 52-50572*
PSD Number: *AC 52-50572*
County: *Santa Rosa*
Permit Engineer:
Others involved:

Application:

- Initial Application
- Incompleteness Letters
- Responses
- Final Application (if applicable)
- Waiver of Department Action
- Department Response

Intent:

- Intent to Issue
- Notice to Public
- Technical Evaluation
- BACT Determination
- Unsigned Permit

Attachments:

-
-
-
- Correspondence with:
 - EPA
 - Park Services
 - County
 - Other

Proof of Publication

Petitions - (Related to extensions, hearings, etc.)

Final Determination:

- Final Determination
- Signed Permit
- BACT Determination

Post Permit Correspondence:

- Extensions
- Amendments/Modifications
- Response from EPA
- Response from County
- Response from Park Services

ENGELHARD

ENGELHARD INDUSTRIES DIVISION

2655 U.S. ROUTE 22 • UNION, NEW JERSEY 07083 • (201) 589-5000 • TELEX: 13-9404

SYSTEMS DEPARTMENT

April 8, 1982

Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, FL 32301

DER

APR 14 1982

Attn: Mr. Clair Fancy

Bill To Refa

BAQM

Subject: Catalytic Converters for Reduction of Gas Engine Emissions

Dear Mr. Fancy:

We are pleased to forward descriptive literature on our rich-burn, catalytic abatement systems. Our systems are normally used to reduce NOx emissions, but they also simultaneously reduce carbon monoxide and hydrocarbon emissions.

In order for the catalyst to operate effectively, the gas stream entering the converter should be slightly rich. Engelhard can provide control monitors to assist in adjusting the air/fuel ratio of the engine accordingly.

Our catalytic converters are rugged and built for engine service. The catalyst is housed in a stainless steel vessel consisting of two end cones and a center section. These three sections are flanged and bolted together for ease of service. The catalyst itself is a ceramic monolith coated with a proprietary precious metal combination.

A NOx reduction efficiency of 90 percent is guaranteed for a one-year period. Typically, the converters will operate at higher efficiencies initially and should maintain at least 90 percent efficiency for three to five years, possibly longer, under normal engine service. Severe service constitutes an engine that misfires or burns excessive amounts of oil (.002 lb/bhp-hr or more).

We are extremely pleased with the continuous high performance efficiency of our catalytic converters. To date, all our units are performing at 90 percent or above NOx conversion efficiency. Some units have been in the field for nearly three years.

The price of a catalytic converter is approximately \$20 per horsepower. Options such as exhaust control monitors and over-temperature protection switches are available for additional cost.

ENGELHARD

Dept. of Environmental Regulation
April 8, 1982
Page 2

In addition to the converter's pollution control capabilities, it also has noise reduction capabilities similar to an engine muffler. In most instances, the muffler can be replaced with the catalytic converter with no appreciable loss in noise reduction performance.

Engelhard has over 40 years of experience in catalytic system applications. We are a world-leading catalyst manufacturer. We can provide you with the properly designed converter for your application.

Thank you for your interest in our company. Please contact us if we can be of further service.

Very truly yours,

ENGELHARD INDUSTRIES DIVISION
SYSTEMS DEPARTMENT



Abe Rosenstein
Sales Engineer

AR/new

Enclosures: EM-13336, EC-682, Ad Reprint

cc: Mr. A. Stotler
Engelhard Industries
211 Perimeter Center Parkway
Atlanta, GA 30346

In the folder labeled as follows there are documents, listed below, which were not reproduced in this electronic file. Those documents can be found in the supplementary documents file drawer. Folders in that drawer are arranged alphabetically, then by permit number.

Folder Name: Exxon Corporation
AC 57-50572

Period During Which
DOCUMENT WAS
SUBMITTED
(APPLICATION, PD & TE,
FINAL DETERMINATION,
POST PERMIT)

APP 10/14/81

Detailed Description

1. INFORMATION PAMPHLET ABOUT
ENGLEHARD DEOXO CATALYTIC
NOX ABATEMENT SYSTEMS
2. ENGLEHARD TEST RESULTS
PAMPHLET
3. MAXIM CATALYTIC SILENCER
APPLICATION MANUAL

PROPOSED AGENCY ACTION

The Florida Department of Environmental Regulation (DER) has received an application from and intends to issue a Construction Permit to Exxon Corporation for the construction of a smokeless flare for a sour oil and gas separation station to be located at the Exxon facility on State Road 89, North of Jay, in Santa Rosa County, Florida. A Determination of Best Available Control Technology was not required. Copies of the Applications, Technical Evaluation, and Departmental Intent are available for inspection at the following offices:

DER Bureau of Air Quality Management
2600 Blair Stone Road
Tallahassee, Florida 32301

DER Northwest District
160 Governmental Center
Pensacola, FL

Comments on this action shall be submitted in writing to Bill Thomas of the Tallahassee Office, within 30 days of this Notice.

To Appear in: Pensacola News

On: 1/28/82

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301



BOB GRAHAM
GOVERNOR
VICTORIA J. TSCHINKEL
SECRETARY

MEMORANDUM

TO: C. A. Woolley, Exxon Corporation
Paul Frederick, Exxon Company, U.S.A.
Jack Preece, FDER Northwest District Office

FROM: C. H. Fancy, Deputy Chief, Bureau of Air Quality
Management

DATE: January 25, 1982

SUBJ: Preliminary Determination - Exxon Corporation
Application to construct a sour gas compressor/
smokeless flare at the Santa Rosa Facility,
Santa Rosa County.

Attached is one copy of the application, Technical Evaluation and Preliminary Determination, and proposed permit for the referenced construction at the applicant's facility in Santa Rosa County.

Please submit any comments which you wish to have considered concerning this action, in writing, to Mr. Bill Thomas of the Bureau of Air Quality Management.

CHF:caa

Proposed Department Action

The Department intends to issue the requested permit to Exxon Corporation for the alteration of their Santa Rosa sulfur recovery facility to a sour gas and oil separation station. A small flare stack is proposed to dispose of sour gas leaks from the gas compressors.

Any person wanting to comment on this section may do so by submitting such comments in writing to:

Mr. Clair Fancy
Department of Environmental Regulation
Bureau of Air Quality Management
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32301

Any comments received within thirty days after publication of this notice will be considered and noted in the Department's final determination.

Any person whose substantial interest would be affected by the issuance or denial of this permit may request an administrative hearing by filing a petition for hearing as set forth in Section 28-5.15 FAC (copy attached). Such petition must be filed within 14 days of the date of this notice with:

Ms. Martha Hall
Department of Environmental Regulation
Office of General Counsel
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32301

RULES OF THE ADMINISTRATIVE COMMISSION
MODEL RULES OF PROCEDURE
CHAPTER 28-5
DECISIONS DETERMINING SUBSTANTIAL INTERESTS

28-5.15 Requests for Formal and Informal Proceedings

- (1) Requests for proceedings shall be made by petition to the agency involved. Each petition shall be printed typewritten or otherwise duplicated in legible form on white paper of standard legal size. Unless printed, the impression shall be on one side of the paper only and lines shall be double spaced and indented.
- (2) All petitions filed under these rules should contain:
 - (a) The name and address of each agency affected and each agency's file or identification number, if known;
 - (b) The name and address of the petitioner or petitioners;
 - (c) All disputed issues of material fact. If there are none, the petition must so indicate;
 - (d) A concise statement of the ultimate facts alleged, and the rules, regulations and constitutional provisions which entitle the petitioner to relief;
 - (e) A statement summarizing any informal action taken to resolve the issues, and the results of that action;
 - (f) A demand for the relief to which the petitioner deems himself entitled; and
 - (g) Such other information which the petitioner contends is material.

Technical Evaluation
and
Preliminary Determination

Exxon Corporation
Santa Rosa County

Permit Number:
AC 57-50572

Florida Department of Environmental Regulation
Bureau of Air Quality Management
Central Air Permitting
January 25, 1982

Exxon currently uses the Santa Rosa Facility for separation and sweetening (sulfur removal) of sour oil and gas produced from the Jay oil field. Declining production, soon to reach a minimum operating level, will necessitate alteration of the facility to purely a sour gas and oil separation station. Sour oil and gas will be separated and then pumped and compressed, respectively, to the St. Regis Facility for sweetening. The Santa Rosa sulfur recovery plant will discontinue operation.

The applicant proposes construction of a smokeless flare to destroy sour gas which leaks from the compressors. SO₂ emissions are estimated to be 65.0 tons/year, based on data from the compressor manufacturer.

Currently, the allowable sulfur dioxide emissions permitted at the sulfur recovery plant are 4,283 tons/year, with actual emissions being somewhat less, about 3,000 tons/year. Therefore, the proposed conversion would mean a great reduction in SO₂ emissions, as well as all other pollutants, thereby exempting the proposed action from Prevention of Significant Deterioration (PSD) review, Section 17-2.500 Florida Administrative Code (FAC). The new permit will be conditional upon discontinuing operation of the sulfur recovery plant. However, the applicant does not wish to cancel the present operating permit (AO 57-30335) for the sulfur recovery plant, since the possibility exists that production will increase and the plant would start up once again. If this was to happen, the new flare would be shut down.

The proposed flare will still be subject to, and must comply with, the visible emissions standard of 20% opacity (17-2.610(2), FAC) and the objectional odor prohibition (17-2.620(2), FAC).



POST OFFICE TO ADDRESSEE



B - Part 4

B 26890013

FROM:

Mr. C. A. Woolley
Exxon Company, U.S.A.
P. O. Box 60626
New Orleans, LA 70160

Customer Number, if any:

TO:

Mr. W. A. Thomas
Dept. of Environmental Regulation
2600 Blair Stone Road
Tallahassee, FL 32301

ORIGIN:

Initials of Receiving Clerk: *RE*

P.O. ZIP: *70113*

Date in: *11-18-72*

Time in: *1-40*

Weight: *1* Lbs.

Postage: *\$ 7.25*

DESTINATION:

Date of Delivery: *11/20*

Time of Delivery: *19:25*

Initials of Delivering Employee: *JH*

Signature of Addressee or Agent: *W.A. Thomas*

DELIVERY WAS ATTEMPTED

Date:

Time:

Notice Left By:

TO REMOVE PEEL BACK HERE

EXPRESS MAIL SERVICE

LABEL 11B JUNE 79

DER PERMIT APPLICATION TRACKING SYSTEM MASTER RECORD

FILE#00000050572 COE# DER PROCESSOR:JACK PREECE DER OFFICE:PEN
FILE NAME:EXXON CORPORATION DATE FIRST REC: 12/14/81 APPLICATION TYPE:AC
APPL NAME:WOOLLEY, C.A. APPL PHONE:() - PROJECT COUNTY:57
ADDR:P.O. BOX 60626 CITY:NEW ORLEANS ST:LAZIP:70160
AGNT NAME:PAUL E. FREDERICK AGNT PHONE:(904)434-6308
ADDR:EXXON CO.,U.S.A., P.O.BOX 12159 CITY:PENSACOLA ST:FLZIP:32590

ADDITIONAL INFO REQ: / / / / / / REC: / / / / / /
APPL COMPLETE DATE: / / COMMENTS NEC:N DATE REQ: / / DATE REC: / /
LETTER OF INTENT NEC:N DATE WHEN INTENT ISSUED: / / WAIVER DATE: / /

HEARING REQUEST DATES: / / / / / /
HEARING WITHDRAWN/DENIED/ORDER -- DATES: / / / / / /
HEARING ORDER OR FINAL ACTION DUE DATE: / / MANUAL TRACKING DESIRED:N

FEE PD DATE#1:12/14/81 \$0020 RECEIPT#000056590 REFUND DATE: / / REFUND \$
FEE PD DATE#2: / / \$ RECEIPT# REFUND DATE: / / REFUND \$
APPL:ACTIVE/INACTIVE/DENIED/WITHDRAWN/TRANSFERRED/EXEMPT/ISSUED:AC DATE:12/14/81
REMARKS:PERMIT #ACS7-50572

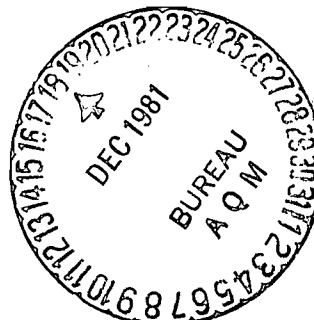
30-DAY CLOCK

15 Day _____
30 Day _____
Date Received _____
45 Day _____

90-DAY CLOCK

45 Day _____
60 Day _____
Date forwarded to District Manager _____
90 Day _____

4 app.



DEPARTMENT OF ENVIRONMENTAL REGULATION

ROUTING AND TRANSMITTAL SLIP		ACTION NO.
		ACTION DUE DATE
1. TO: (NAME, OFFICE, LOCATION)	Clair Fancy	INITIAL DATE
2.	BAGM Jim	INITIAL DATE
3.	DER	INITIAL DATE
4.	Tallahassee	INITIAL DATE

REMARKS:

Here is the first teeny-weeny that I warned you about. It really is a net reduction in allowed emissions.

I have also enclosed copy of some file material on a similar installation at Jay 5. I have not included attachments to their Oct 31, 1980 response letter. They are available if you desire.

INFORMATION

- REVIEW & RETURN
- REVIEW & FILE
- INITIAL & FORWARD

DISPOSITION

- REVIEW & RESPOND
- PREPARE RESPONSE
- FOR MY SIGNATURE
- FOR YOUR SIGNATURE
- LET'S DISCUSS
- SET UP MEETING
- INVESTIGATE & REPT
- INITIAL & FORWARD
- DISTRIBUTE
- CONCURRENCE
- FOR PROCESSING
- INITIAL & RETURN

FROM:

Jair Press

DATE

Dec 17, 1981

PHONE

SUNCOM 695-8360

EXXON COMPANY, U.S.A.

POST OFFICE BOX 60626 • NEW ORLEANS, LOUISIANA 70160

PRODUCTION DEPARTMENT
SOUTHEASTERN DIVISION

C.A. WOOLLEY
OPERATIONS MANAGER

RECEIVED

DEC 14 1981

NORTHWEST FLORIDA
DER

December 11, 1981

Construction Permit Application
Santa Rosa Facility
File: Jay General, B-2-1(a)

State of Florida
Department of Environmental Regulation
160 Governmental Center
Pensacola, Florida 32501

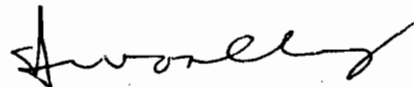
Attention Mr. Thomas W. Moody

Gentlemen:

Attached are the completed application form in quadruplicate and the application fee for a construction permit for modification of the Santa Rosa Treating Facility. The modification will convert the facility from a separation and oil and gas sweetening station to a separation and sour gas compression station. The construction permit is required for a new smokeless flare to safely dispose of the nominal amounts of normal process gas leakage from the cylinder packing. As the existing sulfur plant will be shutdown, there will be a net reduction in facility emissions.

Your earliest review of this application would be appreciated.

Very truly yours,



JJW/lmt
Attachments

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION



NORTHWEST DISTRICT

160 GOVERNMENTAL CENTER
PENSACOLA, FLORIDA 32501

BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

ROBERT V. KRIEGLER
DISTRICT MANAGER

APPLICANT:

Exxon Corporation

OPERATION
PERMIT/CERTIFICATION

NO. AO57-48145

COUNTY: Santa Rosa

PROJECT:

Sour Gas Compressors - Flare
Jay 5

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Chapter 17-4, 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:

Operation of sour gas compressors, seal leakage containing H₂S is flared through a smokeless flare manufactured by National Air Oil Burner Co., Inc., model NAO's Jet Mix (NJM).

Located at Jay 5 facility, 1 1/2 miles south of Jay, east side of State Road 89.

Latitude: 30° 56' 00"N

Longitude: 87° 08' 00"W

*1st & Last page of AO
with evaluation summary*

PERMIT NO.: AO57-48145
APPLICANT: Exxon Corporation

SPECIFIC CONDITIONS:

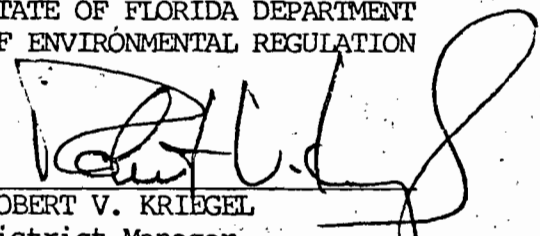
13. Visible emissions shall not exceed 20% opacity under normal operating conditions.
14. This source shall be operated in such a fashion so as to preclude objectionable odors.
15. Visible emissions tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. Tests shall be conducted in accordance with EPA method 9. Such tests shall be conducted in February before the end of 1985 to be submitted with the application for renewal of this permit. Annual tests may be required if Department inspections show a need for such tests.
16. This facility (compressor and flare) shall not be operated at the same time that Jay 5 thermal oxidizer is operating.

Expiration Date:

June 1, 1985

Issued this 15th day of Oct,
1981.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


ROBERT V. KRIEDEL
District Manager

AIR PERMIT EVALUATION SUMMARY

Permit No.: AO 57 - 48145
County: Santa Rosa
Facility: Exxon - Jay 5

1. Stationary Source Information (Operating rate, new or existing, etc.)

Flare, Distance Piece Vent - Jay 5
This is a flare that continuously burns the sour gas leakage from compressor seals

2. Special considerations (major, BACT, PSD, etc.)

To ensure PSD is not applicable Exxon wishes to be bound by the condition that this flare and the Jay 5 thermal oxidizer (Jay 5 Sulfur Recovery Plant) shall not operate simultaneously

3. Source Emission Limiting Standards and Allowances (Regulation(s) and calculations for each pollutant)

17-2.05 (1) 20% opacity

4. Control Technology furnished by Source

Smokeless flare

5. Proof of Compliance Tests (amount of emissions and date)

VE test 8/24/81 0% opacity

6. Inspections (date and comments)

To be inspected at next regular Exxon inspection Feb 1982

7. Recommendation:

Approval

Denial

8. Concurrence:

Routine renewal

Thomas W. Mandy

10/15/81

Jack Beer
Reviewing Engineer

Date: Oct 12 1981



STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHWEST DISTRICT

APPLICANT:

DEC 31 1980

Construction
PERMIT/CERTIFICATION
NO. AC57-32955

Exxon Corporation

COUNTY: Santa Rosa

PROJECT: Jay 5 Flare

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Chapter 17-4, 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:

Construct a smokeless flare, NAO Model NJM, to burn sour gas leaking from compressor cylinders.

Located at Jay 5 Facility, south of Jay

Latitude: 30° 56' 00"N; Longitude: 87° 08' 00"W

*1st to last page of
AC with evaluation
summary*

PERMIT NO.: AC57-32955
APPLICANT: Exxon Corporation

SPECIFIC CONDITIONS:

14. The Department shall be notified within 15 days after construction is completed and prior to testing to allow witnessing of tests.
15. The applicant shall retain the engineer of record for the inspection of the construction of this project. Upon completion, the engineer shall inspect for conformity to construction permit applications and associated documents. A Certificate of Completion (Form DER 17-1.122(20) attached) shall be submitted with the compliance test results and a fee of \$20 as an application for an operation permit. These are to be submitted within 60 days after completion of construction.
16. Visible emissions test results are required to show compliance with standards of the Department and shall be considered in review of the application for an operation permit. The test results shall show compliance at the maximum desired operating conditions.
17. Visible emissions shall not exceed 20% opacity under normal operating conditions.
18. This facility shall be operated in such a fashion so as to preclude objectionable odors.
19. This flare shall not be operated at the same time that the Jay 5 thermal oxidizer is operating.

BEST AVAILABLE COPY

County: Santa Rosa
Facility: Exxon Jay 5 flare
Air Permit No.: AC 57-32955

DOCUMENTATION TO SUPPORT AIR PERMIT APPROVAL

1. Stationary Source Information (operating rate, new or existing, etc.)

A smokeless flare to burn off H₂S from gas leaking out of compressor cylinders.

2. Special considerations (major, BACT, PSD, etc.)

None - below PSD threshold level of 250 TPY.

3. Source Emission Limiting Standards and Allowances (Regulation(s) and calculations for each pollutant)

No 17-2 standards for SO₂ emissions from flares.

VE less than 20% - 17-2.05(1)

No objectionable odors - 17-2.05(4)

4. Control Technology furnished by Source

*Smokeless flare: National Air Oil Burner Co.
model NSM*

5. Proof of Compliance Tests (amount of emissions and date)

VE test required upon completion of construction.

6. Inspections (date and comments)

7. Comments:

Recommend issue construction permit.

04

Thomas W. Moody

12/31/80

6878

RECEIVED

NOV 3 - 1980

NORTHWEST FLORIDA
DER

EXXON COMPANY, U.S.A.
POST OFFICE BOX 60626 • NEW ORLEANS, LOUISIANA 70160

PRODUCTION DEPARTMENT
SOUTHEASTERN DIVISION

October 31, 1980

C. A. WOOLLEY
OPERATIONS MANAGER

Re: Jay 5 Facility Addition
Construction Permit Application
DER File No. AC57-32955

Mr. R. V. Kriegel
State of Florida
Department of Environmental Regulation
160 Governmental Center
Pensacola, Florida 32501

*Response to
request for
additional
information
without
attachments*

Dear Mr. Kriegel:

The following information is provided in response to your August 14, 1980 request regarding the subject permit application.

Section III; Item B

The process input rate consists of two components, vent gas and purge gas (see Attachments II and III of the permit application). The purge gas rate is monitored with individual rotometers on each of the six compressor cylinders. The vent gas flow rates are not monitored, however, the flow rates used for calculating emissions were determined through tests conducted by the compressor manufacturer (see Attachment I to this package), adjusted per our experience with a similar installation at the Wiggins Lake Facility. Note that the process input rate stated on the permit application is the maximum rate expected during upset conditions. This rate is limited by the size and capacity of a vacuum blower which is installed in the system.

Section III; Item D

Design details, drawings, and specification sheets for the flare burner, pilot burner, ignition system, fluidic seal, and flare stack are shown in Attachment II to this package. A guarantee for smokeless operation of the flare has also been provided by the manufacturer and is shown in Attachment III.

Section III; Item H

The overall stack height is based solely on personnel protection from emissions out of the flare. As shown on page 20 of Attachment II, thermal radiation and its effects on personnel are negligible. Commonly accepted radiation levels used for designing flare systems are 3000 Btu/hr-ft² for equipment protection, 1500 Btu/hr-ft² for short time personnel exposure, and 440 Btu/hr-ft² for continuous personnel exposure.

The flame temperature from the proposed flare will not be monitored. The 2000°F temperature stated in the permit application is a conservative estimate based on our experience with this type of gas and on tests conducted by the flare burner manufacturer. Also, our calculations show the adiabatic flame temperature to be approximately 3800°F. The actual flame temperature is expected to lie between 2000°F and 3800°F.

Since Exxon originally applied for the permit for this flare on July 14, 1980, the Environmental Protection Agency has revised its Prevention of Significant Deterioration (PSD) rules on August 7, 1980. Under these rules the modification of a major facility requires a PSD permit if there will be a net increase in actual emissions of 40 tons/year or more of sulfur dioxide, including increases and decreases over the past five years.

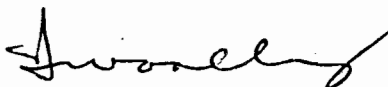
In the case of Exxon's Jay 5 Treating Facility there were no modifications since 1973. The planned flare stack will emit up to 65 tons/year of sulfur dioxide. Since, however, the thermal oxidizer, permitted for a much higher SO₂ emission rate, will be shut down, there will be no net increase in actual emissions.

As mentioned in the permit application, Exxon expects that the thermal oxidizer will again be needed in the near future, and therefore does not intend to cancel its permit at this time. However, Exxon wishes to be bound by a permit condition that prohibits simultaneous operation of the thermal oxidizer and this flare stack. This, we believe, is a necessary condition to eliminate any requirements for a PSD review.

We trust this additional information will enable you to complete your evaluation of the subject permit application. Should you have any additional questions, please contact Mr. K. VanBrocklin in our Pensacola office at 477-8240.

Very truly yours,

EXXON COMPANY, U.S.A.



C. A. Woolley
Operations Manager

KVB:lf
Attachments

AC 57-50572

PAID
\$20.00 incl
DEC 14 1981

RECEIVED
DEC 14 1981

NORTHWEST FLORIDA
DER



STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
APPLICATION TO OPERATE/CONSTRUCT
AIR POLLUTION SOURCES

5-6590

SOURCE TYPE: Air Pollution [] New¹ [] Existing¹
APPLICATION TYPE: [] Construction [] Operation [] Modification
COMPANY NAME: Exxon Corporation COUNTY: Santa Rosa
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) gas compressor distance piece vent gas flare
SOURCE LOCATION: Street State Road 89, north of Jay, Florida City Florida
UTM: East 486950 North 3425050
Latitude 30° 57' 58" N Longitude 87° 08' 12" W
APPLICANT NAME AND TITLE: C. A. Woolley, Attorney-in-Fact
APPLICANT ADDRESS: P.O. Box 60626, New Orleans, LA 70160

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative* of Exxon Corporation

I certify that the statements made in this application for a Construction permit are true, correct and complete to the best of my knowledge and belief. Further, I agree to maintain and operate the pollution control source and pollution control facilities in such a manner as to comply with the provision of Chapter 403, Florida Statutes, and all the rules and regulations of the department and revisions thereof. I also understand that a permit, if granted by the department, will be non-transferable and I will promptly notify the department upon sale or legal transfer of the permitted establishment.

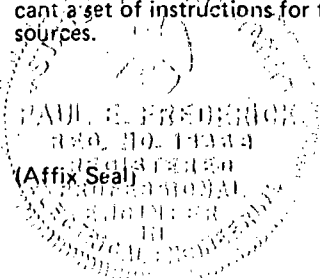
*Attach letter of authorization

Signed: *C. A. Woolley*
C. A. Woolley, Attorney-in-Fact
Name and Title (Please Type)

Date: _____ Telephone No. _____

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 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: *Paul E. Frederick*
Paul E. Frederick
Name (Please Type)

Exxon Company, U.S.A.
Company Name (Please Type)
P.O.B. 12159, Pensacola, FL 32590
Mailing Address (Please Type)

Louisiana
~~Florda~~ Registration No. 13368

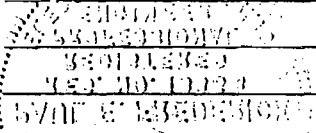
Date: 11/2/81 Telephone No. 434-6308

¹See 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.

See Attachment I



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

Start of Construction December 1, 1981 Completion of Construction April 1, 1982

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.)

Convert Santa Rosa treating facility to a separation/compression station

(total) \$1,120,000.

Compressor vent gas flare system \$40,000*

*Included in total cost

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

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 No

F. Normal equipment operating time: hrs/day 24; days/wk 7; wks/yr 52; if power plant, hrs/yr N/A; if seasonal, describe:

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

- | | |
|---|-----------|
| 1. Is this source in a non-attainment area for a particular pollutant? | <u>No</u> |
| 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. | <u>No</u> |
| 3. Does the State "Prevention of Significant Deterioration" (PSD) requirements apply to this source? If yes, see Sections VI and VII. | <u>No</u> |
| 4. Do "Standards of Performance for New Stationary Sources" (NSPS) apply to this source? | <u>No</u> |
| 5. Do "National Emission Standards for Hazardous Air Pollutants" (NESHAP) apply to this source? | <u>No</u> |

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		
Sour vent gas	H ₂ S	16.6	7.0 H ₂ S/47.5 total	A
Purge gas	S	.088	.008 S/8.6 total	B

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

1. Total Process Input Rate (lbs/hr): 56.1 lbs/hr

2. Product Weight (lbs/hr): None

C. Airborne Contaminants Emitted:

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	
Sulfur Dioxide	14.83	65.0*			14.83	65.0	C
*This is offset by the sulfur recovery plant shutdown (see Attachment I).							

D. Control Devices: (See Section V, Item 4)

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles ⁵ Size Collected (in microns)	Basis for Efficiency (Sec. V, It ⁵)

¹See Section V, Item 2.

²Reference 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)

³Calculated from operating rate and applicable standard

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

⁵If Applicable

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
Sweet fuel gas for pilot burners	200 scf/hr	200 scf/hr	.21 MMBtu/hr

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

Fuel Analysis:

Percent Sulfur: ¹ .050 mole % (.088 weight %) Percent Ash: _____

Density: _____ Specific Gravity: .63 _____ lbs/gal Typical Percent Nitrogen: _____

Heat Capacity: 1053 Btu/scf _____ BTU/lb _____ BTU/gal

Other Fuel Contaminants (which may cause air pollution): .00159 mole % H₂S, maximum (1 grain H₂S/100 scf)

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

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

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

Stack Height: 30 _____ ft. Stack Diameter: .375 (at top) _____ ft.

Gas Flow Rate: ² 20.4 _____ ACFM Gas Exit Temperature: 2000 (flame) _____ °F

Water Vapor Content: .52 (mole %) _____ % Velocity: 3.08 _____ FPS

SECTION IV: INCINERATOR INFORMATION

Type of Waste	Type O (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. _____

¹Based on monthly composite analysis of field fuel gas.

²Includes pilot gas flow rate.

	Volume (ft) ³	Heat Release (BTU/hr)	Fuel		Temperature (°F)
			Type	BTU/hr	
Primary Chamber					
Secondary Chamber					

Stack Height: _____ ft. Stack Diameter _____ Stack Temp. _____

Gas Flow Rate: _____ ACFM _____ DSCFM* Velocity _____ FPS

*If 50 or more tons per day design capacity, submit the emissions rate in grains per standard cubic foot dry gas corrected to 50% excess air.

Type of pollution control device: Cyclone Wet Scrubber Afterburner Other (specify) _____

Brief description of operating characteristics of control devices: _____

Ultimate disposal of any effluent other than that emitted from the stack (scrubber water, ash, etc.):

SECTION V: SUPPLEMENTAL REQUIREMENTS

Please provide the following supplements where required for this application.

1. Total process input rate and product weight – show derivation. See Attachment II
2. To a construction application, attach basis of emission estimate (e.g., design calculations, design drawings, pertinent manufacturer's test data, etc.) and attach proposed methods (e.g., FR Part 60 Methods 1, 2, 3, 4, 5) to show proof of compliance with applicable standards. To an operation application, attach test results or methods used to show proof of compliance. Information provided when applying for an operation permit from a construction permit shall be indicative of the time at which the test was made. See Attachment II
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test). See Attachment II
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, 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).
The smokeless flare tip efficiency is 100% based on manufacturer's guarantee.
6. An 8½" 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. See Attachment III
7. An 8½" 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). See Attachment IV
8. An 8½" x 11" plot plan of facility showing the location of manufacturing processes and outlets for airborne emissions. Relate all flows to the flow diagram. See Attachment V

- 9. An application fee of \$20, unless exempted by Section 17-4.05(3), F.A.C. The check should be made payable to the Department of Environmental Regulation.
- 10. With an application for operation permit, attach a Certificate of Completion of Construction indicating that the source was constructed as shown in the construction permit.

SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY

A. Are standards of performance for new stationary sources pursuant to 40 C.F.R. Part 60 applicable to the source?
 Yes No

Contaminant	Rate or Concentration

B. Has EPA declared the best available control technology for this class of sources (If yes, attach copy) Yes No

Contaminant	Rate or Concentration

C. What emission levels do you propose as best available control technology?

Contaminant	Rate or Concentration

D. Describe the existing control and treatment technology (if any).

- | | |
|---------------------------|----------------------|
| 1. Control Device/System: | 4. Capital Costs: |
| 2. Operating Principles: | 6. Operating Costs: |
| 3. Efficiency:* | 8. Maintenance Cost: |
| 5. Useful Life: | |
| 7. Energy: | |
| 9. Emissions: | |

Contaminant	Rate or Concentration

*Explain method of determining D 3 above.

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*:
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy*:
- 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*:
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy**:
- h. Maintenance Costs:
- 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:

*Explain method of determining efficiency.

**Energy to be reported in units of electrical power — KWH design rate.

3.

- a. Control Device:
- b. Operating Principles:
- c. Efficiency*:
- d. Capital Cost:
- e. Life:
- f. Operating Cost:
- g. Energy:
- h. Maintenance Cost:

*Explain method of determining efficiency above.

- i. Availability of construction materials and process chemicals:
- j. Applicability to manufacturing processes:
- k. Ability to construct with control device, install in available space and operate within proposed levels:

4.

- a. Control Device
- b. Operating Principles:
- c. Efficiency*:
- d. Capital Cost:
- e. Life:
- f. Operating Cost:
- g. Energy:
- h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:
- j. Applicability to manufacturing processes:
- k. Ability to construct with control device, install in available space, and operate within proposed levels:

F. Describe the control technology selected:

- 1. Control Device:
- 2. Efficiency*:
- 3. Capital Cost:
- 4. Life:
- 5. Operating Cost:
- 6. Energy:
- 7. Maintenance Cost:
- 8. Manufacturer:
- 9. Other locations where employed on similar processes:

a.

- (1) Company:
- (2) Mailing Address:
- (3) City:
- (4) State:
- (5) Environmental Manager:
- (6) Telephone No.:

*Explain method of determining efficiency above.

(7) Emissions*:

Contaminant	Rate or Concentration

(8) Process Rate*:

b.

- (1) Company:
- (2) Mailing Address:
- (3) City:
- (4) State:

*Applicant must provide this information when available. Should this information not be available, applicant must state the reason(s) why.

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions*:

Contaminant	Rate or Concentration
<hr/>	<hr/>
<hr/>	<hr/>
<hr/>	<hr/>

(8) Process Rate*:

10. Reason for selection and description of systems:

*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

A. Company Monitored Data

1. _____ no sites _____ TSP _____ () SO²* _____ Wind spd/dir
 Period of monitoring _____ / _____ / _____ to _____ / _____ / _____
 month day year month day year

Other data recorded _____

Attach all data or statistical summaries to this application.

2. Instrumentation, Field and Laboratory

- a) Was instrumentation EPA referenced or its equivalent? _____ Yes _____ No
- b) Was instrumentation calibrated in accordance with Department procedures? _____ Yes _____ No _____ Unknown

B. Meteorological Data Used for Air Quality Modeling

1. _____ Year(s) of data from _____ / _____ / _____ to _____ / _____ / _____
 month day year month day year

- 2. Surface data obtained from (location) _____
- 3. Upper air (mixing height) data obtained from (location) _____
- 4. Stability wind rose (STAR) data obtained from (location) _____

C. Computer Models Used

- 1. _____ Modified? If yes, attach description.
- 2. _____ Modified? If yes, attach description.
- 3. _____ Modified? If yes, attach description.
- 4. _____ Modified? If yes, attach description.

Attach copies of all final model runs showing input data, receptor locations, and principle output tables.

D. Applicants Maximum Allowable Emission Data

Pollutant	Emission Rate
TSP	_____ grams/sec
SO ²	_____ grams/sec

E. Emission Data Used in Modeling

Attach list of emission sources. Emission data required is source name, description on 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.

*Specify bubbler (B) or continuous (C).

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.

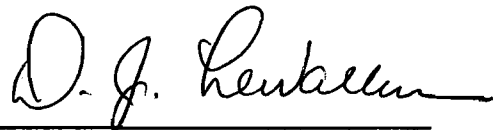
CERTIFICATE

This is to certify that the attached copy of Incumbent Power of Attorney (IPA-3B-73) is a true and reproduced copy of a certified copy of the original executed, attested, sealed and acknowledged Incumbent Power of Attorney instrument which is on file in the Secretary's Department of Exxon Company, U.S.A. (a division of Exxon Corporation) in Houston, Texas; that on December 8, 1981, C. A. WOOLLEY was the Division Operations Manager of Exxon Company, U.S.A.; and that said Incumbent Power of Attorney was in effect on said date.

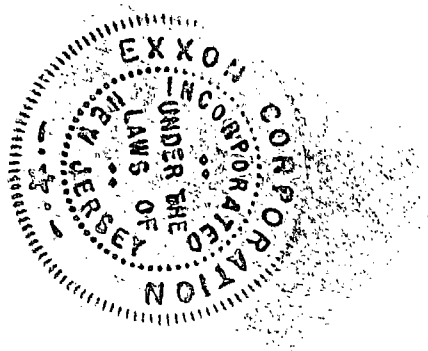
Executed this 8th day of December, 1981.

EXXON CORPORATION

BY



D. J. LEWALLEN
Assistant Secretary



IPA-3B-73

Incumbent Power of Attorney

KNOW ALL MEN BY THESE PRESENTS:

THAT EXXON CORPORATION, a New Jersey corporation, having an office in Houston, Texas, acting by and through M. A. Wright, as Chairman and Chief Executive of Exxon Company, U.S.A., a division of Exxon Corporation (hereinafter called "Company"), and as Executive Vice President of Exxon Corporation, does hereby nominate, constitute and appoint each incumbent of each of the following positions in said Company:

Production Department

Division Operations Managers; and
Division Joint Interest Managers

as Agent and Attorney-in-Fact of Exxon Corporation for purposes of executing and delivering instruments and documents as more particularly described below, and does hereby grant, delegate and invest each of said incumbents with power and authority to execute and deliver for, in the name and on behalf of Exxon Corporation, and in connection with the business and affairs of said Company, instruments and documents relating to the exploration for or the production of oil, gas, hydrocarbons or sulphur, including, but not by way of limitation, instruments pledging the credit of Exxon Corporation, bonds of indemnity, other indemnities, guaranties, affidavits, permits, licenses, applications for permits or licenses, other governmental documents, bids, bid invitations, collective bargaining agreements, other contracts, purchase orders, leases (including, but not limited to, oil, gas and/or mineral leases), releases, discharges of mortgages or deeds of trust, assignments, transfers of leasehold estates and/or other interests in real and/or personal property, including mineral interests, and any other instrument or document as may be required or desired in the conduct of the

business of said Company, whether similar or dissimilar to the foregoing,

EXCEPT the following:

1. Any mortgage, assignment, conveyance or release to any third party of any oil, gas and/or mineral lease or any other interest in oil, gas and/or other minerals which is severed from the surface and which is owned by or leased to Exxon Corporation; provided, however, that this exception shall not apply to assignments, conveyances, releases or other instruments which are:
 - a) pursuant to farmout agreements or exploration agreements executed prior to the production of minerals;
 - b) for the purpose of pooling, unitizing or joint operating; or
 - c) for the purpose of releasing or effectuating releases of oil, gas and mineral leases which have expired by their terms (including partial releases affecting lands as to which such leases have expired by their terms or the terms of agreements made with lessors);
2. Any mortgage, assignment, conveyance, or release of other real property;
3. Any instrument authorizing, permitting or evidencing the borrowing of money from any person or entity; or
4. Any instrument delegating the power and authority conferred herein to execute and deliver instruments.

Each incumbent of each said position in said Company may exercise the power and authority herein granted, delegated and invested, in any particular and appropriate transaction or matter, either as an Attorney-in-Fact of Exxon Corporation or as an official of said Company. Any action taken as authorized under this Incumbent Power of Attorney shall be an act of Exxon Corporation and binding upon it.

Certificates of incumbency and evidencing authority relating to particular transactions or matters may be issued by the Secretary or any Assistant Secretary of Exxon Corporation and may be relied upon by third parties dealing with Exxon Corporation or with said Company. Such Certificates shall certify that, on the dates set out therein, the individual named therein was an incumbent of one of said positions in said Company; that the execution and delivery by such person of particular instruments or documents was authorized by this Incumbent Power of Attorney; and that this Incumbent Power of Attorney was in effect at the time of such execution and delivery.

APPROVED AND EXECUTED this 1st day of January, 1973.

EXXON CORPORATION

By *M. A. Wright*
Chairman and Chief Executive of
Exxon Company, U.S.A. and
Executive Vice President of
Exxon Corporation

ATTEST:

[Signature]
Assistant Secretary

STATE OF CALIFORNIA

COUNTY OF ORANGE

On this 1st day of January, in the year 1973, before me, a Notary Public of said State, duly commissioned and sworn, personally appeared M. A. Wright, known to me to be Chairman and Chief Executive of Exxon Company, U.S.A. (a division of Exxon Corporation) and an Executive Vice President of Exxon Corporation that executed the within instrument, and acknowledged to me that such corporation executed the same.

In witness whereof, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

William J. Zarone
Notary Public in and for said State

