


State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

Interoffice Memorandum

TO: Dale Twachtmann
FROM: Howard L. Rhodes 
SUBJ: Approval of Occidental Chemical Corporation's Sulfuric Acid Plants A, C, and D

State Construction Permit Numbers: AC 24-146400, -146402
-146404

DATE: June 7, 1988

Attached for your approval and signature are permits prepared by Central Air Permitting for the above mentioned company to increase the sulfuric acid production capacity of plants A, C, and D while shutting down plant B.

The facility is located in White Springs, Hamilton County, Florida. Comments received during the public notice period are addressed in the Final Determination.

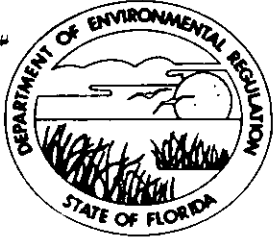
Day 90, after which these permits will be issued by default, is July 6, 1988.

I recommend your approval and signature.

HLR/aqm/pr
attachments

RECEIVED
JUN 9 1988

Office of the Secretary



Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION NOTICE OF PERMIT

Mr. Hudson C. Smith
Occidental Chemical Company
Post Office Box 300
White Springs, Florida 32096-0300

June 14, 1988

Enclosed are permits Nos. AC 24-146400, 24-146402, 24-146404, for Occidental Chemical Company to install increased production capacity of A, C, and D Sulfuric Acid Plants, while shutting down plant B, at the Suwannee River Chemical Complex in Hamilton County, Florida.

Any Party to these permits has the right to seek judicial review of these permits 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 these permits are filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

C. H. Fancy, P.E.

Deputy Chief

Bureau of Air Quality Management

Copy furnished to:

B. Stewart, NE District
R. E. McNeill, P.E.

Final Determination

Occidental Chemical Corporation
Suwannee River Chemical Complex
White Springs, Hamilton County, Florida

Sulfuric Acid Plants

Permit Numbers:

AC 24-146400, Plant A
AC 24-146402, Plant C
AC 24-146404, Plant D

Florida Department of Environmental Regulation
Bureau of Air Quality Management
Central Air Permitting

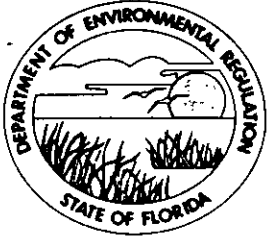
June 7, 1988

Final Determination

Occidental's application for construction permits to increase the sulfuric acid production capacity of Plant A, C, and D, while shutting down Plant B at the existing Suwannee River Chemical Complex in White Springs, Hamilton County, Florida, has been reviewed by the Department. Public Notice of the Department's Intent to Issue the permits was published in the The Jasper News on May 5, 1988.

Comments were received in response to the Public Notice from the applicant requesting rephrasing of the testing requirements. Since the Department is in the process of negotiating these requirements, changes shall be made at the conclusion of the negotiations, if warranted. However, the Department will amend specific condition No. 9 of the C and D permits by specifying the compliance test methods. Specific Condition No. 14 in the permit for plant A will be amended to reflect permanent shut down of plant B.

The final action of the Department will be to issue the permits as proposed with amended Specific Conditions No. 9 in plants C & D permits and No. 14 in plant A's permit.



Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

ERMITTEE:
Occidental Chemical Corp.
P. O. Box 300
White Springs FL 32096

Permit Number: AC 24-146400
Expiration Date: September 30, 1988
County: Hamilton
Latitude/Longitude: 30° 26' 27"N
82° 47' 16"W
Project: Sulfuric Acid Plant A

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 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 hereof and specifically described as follows:

For the permitting of the Sulfuric Acid Plant A, with a maximum production capacity of 1000 tons per day 100% acid. Sulfur dioxide and acid mist emissions will be controlled by the single absorption process itself and a York mist eliminator, respectively. The project is located at Occidental's Suwannee River Chemical Complex (SRCC) in Hamilton County, Florida. The UTM coordinates are Zone 17, 328 km East and 3368 km North.

The Standard Industrial Classification (SIC) Code is Group 20, Chemical and Allied Products; Industry No. 2819, Sulfuric Acid Contact Process. The Source Classification Code (SCC) is 3-01-023-08, A and B Plants (98% Conversion).

Construction will be in accordance with the permit application, plans, documents, and reference materials submitted unless otherwise stated in the General and Specific Conditions.

Attachments:

1. Occidental's letter dated February 19, 1988.
2. DER's letter dated March 1, 1988.
3. Occidental's application package dated March 7, 1988.
4. Preliminary Determination dated April 21, 1988.
5. Occidental's letter dated April 26, 1988.

PERMITTEE:
Occidental Chemical Corp.

Permit Number: AC 24-146400
Expiration Date: September 30, 1988

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 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 403.722(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 any 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 an order from the Department.

PERMITTEE:
Occidental Chemical Corp.

Permit Number: AC 24-146400
Expiration Date: September 30, 1988

GENERAL CONDITIONS:

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 may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose 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 noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:
Occidental Chemical Corp.

Permit Number: AC 24-146400
Expiration Date: September 30, 1988

GENERAL CONDITIONS:

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.

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 Sections 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 noncompliance 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)
- () 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:
Occidental Chemical Corp.

Permit Number: AC 24-146400
Expiration Date: September 30, 1988

GENERAL CONDITIONS:

- 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:

For Sulfuric Acid Plant A

1. The Plant A may operate continuously, i.e., 8760 hours/year.
2. The maximum production rate shall not exceed 1000 TPD (tons per day) based on 100% H₂SO₄.

PERMITTEE: Occidental Chemical Corp. Permit Number: AC 24-146400
Expiration Date: September 30, 1988

SPECIFIC CONDITIONS:

3. Sulfur dioxide (SO₂) emissions shall not exceed:
 - a) 29 lbs/ton of 100% H₂SO₄ produced
 - b) 1208 lbs/hr
 - c) 5292 TPY (tons/yr)
4. Sulfuric acid mist emissions shall not exceed:
 - a) 0.5 lb/ton, 100% H₂SO₄ produced
 - b) 21 lbs/hr
 - c) 91 TPY
5. Visible Emissions (VE) shall not exceed 10% opacity.
6. Nitrogen oxides (NO_x) emissions are estimated to be 26 TPY, for inventory and PSD tracking purposes.
7. Acid mist emissions shall be controlled by a mist eliminator.
8. The permittee shall comply with all the applicable provisions of Chapter 17-2 and 17-4 of the Florida Administrative Code (FAC).
9. A CEM shall be used to monitor SO₂, in accordance with Rule 17-2.710, FAC. Initial and annual compliance tests shall be conducted using:
 - a) EPA Method 8, for SO₂ and acid mist
 - b) EPA Method 9, for visible emissions

Other DER approved test methods may be used only after prior Departmental approval.

10. The DER district office shall be notified in writing 15 days prior to source testing. Written reports of the tests shall be submitted to the district office within 45 days of test completion.

The construction shall reasonably conform to the plans and schedule submitted in the application. If the permittee is unable to complete construction on schedule, the district office must be notified in writing 60 days prior to the expiration of the construction permit and the permittee shall submit a new schedule and request for an extension of the construction permit (Rule 17-2; FAC).

PERMITTEE: Occidental Chemical Corp. Permit Number: AC 24-146400
Expiration Date: September 30, 1988

SPECIFIC CONDITIONS:

To obtain a permit to operate, the permittee must demonstrate compliance with the conditions of the construction permit and submit a complete application for an operating permit, including the application fee, along with compliance test results, and the Certificate of Completion, to the district office 90 days prior to the expiration date of the construction permit. The permittee may continue to operate in compliance with all terms of the construction permit until its expiration date. Operation beyond the construction permit expiration date requires a valid permit to operate. (FAC Rules 17-2 and 17-4)

If the construction permit expires prior to the permittee filing an application for a permit to operate, then all activities at the project must cease. (FAC Rule 17-4)

11. Any change in the method of operation, raw materials and chemicals processed, equipment, or operating hours pursuant to FAC Rule 17-2.100(118), Modification, shall be submitted for approval to DER's Bureau of Air Quality Management office and the district office.

12. When start-up involving more than one acid plant occurs, a second plant will not be started up until the first plant is started and in compliance. The permittee shall take all reasonable precautions to avoid violations of ambient air quality standards during plant start-ups.

13. This permit shall replace previous permits issued for the Sulfuric Acid Plant A.

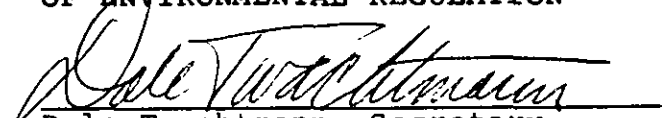
14. Plant B shall be permanently shut down and will no longer be allowed to operate.

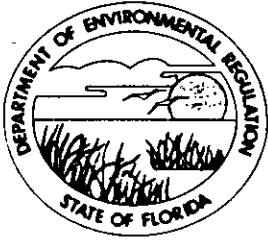
PERMITTEE:
Occidental Chemical Corp.

Permit Number: AC 24-146400
Expiration Date: September 30, 1988

Issued this 9 day of June,
1988.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


Dale Twachtmann, Secretary



Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

PERMITTEE:
Occidental Chemical Corp.
P. O. Box 300
White Springs FL 32096

Permit Number: AC 24-146402
Expiration Date: September 30, 1989
County: Hamilton
Latitude/Longitude: 30° 26' 27"N
82° 47' 16"W
Project: Sulfuric Acid Plant C

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 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 hereof and specifically described as follows:

For the permitting of the Sulfuric Acid Plant C, with a maximum production capacity of 2300 tons per day 100% acid. Sulfur dioxide and acid mist emissions will be controlled by the existing double absorption process and a Brinks mist eliminator, respectively. The project is located at Occidental's Suwannee River Chemical Complex (SRCC) in Hamilton County, Florida. The UTM coordinates are Zone 17, 328 km East and 3368 km North.

The Standard Industrial Classification (SIC) Code is Group 20, Chemical and Allied Products; Industry No. 2819, Sulfuric Acid Contact Process. The Source Classification Code (SCC) is 3-01-023-04, C and D Plants (99.5% Conversion).

Construction will be in accordance with the permit application, plans, documents, and reference materials submitted unless otherwise stated in the General and Specific Conditions.

Attachments:

1. Occidental's letter dated February 19, 1988.
2. DER's letter dated March 1, 1988.
3. Occidental's application package dated March 7, 1988.
4. Preliminary Determination dated April 21, 1988.
5. Occidental's letter dated April 26, 1988.

PERMITTEE: Occidental Chemical Corp. Permit Number: AC 24-146402
Expiration Date: September 30, 1989

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 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 403.722(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 any 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 an order from the Department.

PERMITTEE: Occidental Chemical Corp. Permit Number: AC 24-146402 Expiration Date: September 30, 1989

GENERAL CONDITIONS:

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 may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose 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 noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:
Occidental Chemical Corp.

Permit Number: AC 24-146402
Expiration Date: September 30, 1989

GENERAL CONDITIONS:

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 may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose 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 noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:
Occidental Chemical Corp.

Permit Number: AC 24-146402
Expiration Date: September 30, 1989

GENERAL CONDITIONS:

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 may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose 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 noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:
Occidental Chemical Corp.

Permit Number: AC 24-146402
Expiration Date: September 30, 1989

GENERAL CONDITIONS:

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.

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 Sections 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 noncompliance 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)
- (x) 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:
Occidental Chemical Corp.

Permit Number: AC 24-146402
Expiration Date: September 30, 1989

GENERAL CONDITIONS:

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:

For Sulfuric Acid Plant C

1. The Plant C may operate continuously, i.e., 8760 hours/year.

2. The maximum production rate shall not exceed 2300 TPD (tons per day) based on 100% H₂SO₄.

PERMITTEE:
Occidental Chemical Corp.

Permit Number: AC 24-146402
Expiration Date: September 30, 1989

SPECIFIC CONDITIONS:

3. Sulfur dioxide (SO₂) emissions shall not exceed:
 - a) 4 lbs/ton of 100% H₂SO₄ produced
 - b) 383 lbs/hr
 - c) 1679 TPY (tons/yr)
4. Sulfuric Acid Mist emissions shall not exceed:
 - a) 0.15 lb/ton, 100% H₂SO₄ produced
 - b) 14.4 lbs/hr
 - c) 63 TPY
5. Visible Emissions (VE) shall not exceed 10% opacity.
6. Nitrogen oxides (NO_x) emissions are estimated to be 60 TPY, for inventory and PSD tracking purposes.
7. An SO₂ continuous emission monitor shall be maintained and operated in accordance with 40 CFR 60, Subpart H.
8. The permittee shall comply with all the applicable provisions of Chapter 17-2 and 17-4 of the Florida Administrative Code (FAC) and 40 CFR 60 Subpart H, Standards of Performance for Sulfuric Acid Plants.
9. Initial and annual compliance tests shall be conducted in accordance with 40 CFR 60 Subpart H, and Appendix A, to determine emissions of SO₂, acid mist, and visible emissions. EPA Method 8 for SO₂ and acid mist, and EPA Method 9 for visible emission shall be used for compliance testing.
10. The DER district office shall be notified in writing 15 days prior to source testing. Written reports of the tests shall be submitted to the district office within 45 days of test completion.

The construction shall reasonably conform to the plans and schedule submitted in the application. If the permittee is unable to complete construction on schedule, the district office must be notified in writing 60 days prior to the expiration of the construction permit and the permittee shall submit a new schedule and request for an extension of the construction permit (Rule 17-2, FAC).

PERMITTEE:
Occidental Chemical Corp.

Permit Number: AC 24-146402
Expiration Date: September 30, 1989

SPECIFIC CONDITIONS:

To obtain a permit to operate, the permittee must demonstrate compliance with the conditions of the construction permit and submit a complete application for an operating permit, including the application fee, along with compliance test results, and the Certificate of Completion, to the district office 90 days prior to the expiration date of the construction permit. The permittee may continue to operate in compliance with all terms of the construction permit until its expiration date. Operation beyond the construction permit expiration date requires a valid permit to operate. (FAC Rules 17-2 and 17-4)

If the construction permit expires prior to the permittee filing an application for a permit to operate, then all activities at the project must cease. (FAC Rule 17-4)

11. Any change in the method of operation, raw materials and chemicals processed, equipment, or operating hours pursuant to FAC Rule 17-2.100(118), Modification, shall be submitted for approval to DER's Bureau of Air Quality Management office and the district office.

12. When start-up involving more than one acid plant occurs, a second plant will not be started up until the first plant is started and in compliance. The permittee shall take all reasonable precautions to avoid violations of ambient air quality standards during plant start-ups.


13. This permit shall replace previous permits issued for the Sulfuric Acid Plant C.

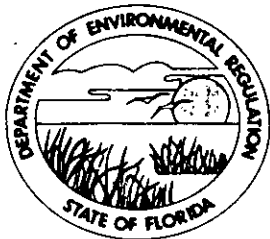
PERMITTEE:
Occidental Chemical Corp.

Permit Number: AC 24-146402
Expiration Date: September 30, 1989

Issued this 9 day of June,
1988.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


Dale Twachtmann, Secretary



Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

PERMITTEE:
Occidental Chemical Corp.
P. O. Box 300
White Springs FL 32096

Permit Number: AC 24-146404
Expiration Date: September 30, 1989
County: Hamilton
Latitude/Longitude: 30° 26' 27"N
82° 47' 16"W
Project: Sulfuric Acid Plant D

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 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 hereof and specifically described as follows:

For the permitting of the Sulfuric Acid Plant D, with a maximum production capacity of 2300 tons per day 100% acid. Sulfur dioxide and acid mist emissions will be controlled by the existing double absorption process and a Brinks mist eliminator, respectively. The project is located at Occidental's Suwannee River Chemical Complex (SRCC) in Hamilton County, Florida. The UTM coordinates are Zone 17, 328 km East and 3368 km North.

The Standard Industrial Classification (SIC) Code is Group 20, Chemical and Allied Products; Industry No. 2819, Sulfuric Acid Contact Process. The Source Classification Code (SCC) is 3-01-023-04, C and D Plants (99.5% Conversion).

Construction will be in accordance with the permit application, plans, documents, and reference materials submitted unless otherwise stated in the General and Specific Conditions.

Attachments:

1. Occidental's letter dated February 19, 1988.
2. DER's letter dated March 1, 1988.
3. Occidental's application package dated March 7, 1988.
4. Preliminary Determination dated April 21, 1988.
5. Occidental's letter dated April 26, 1988.

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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 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 403.722(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 any 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 an order from the Department.

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GENERAL CONDITIONS:

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 may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose 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 noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

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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.

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 Sections 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 noncompliance 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)
- (x) 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.

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GENERAL CONDITIONS:

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:

For Sulfuric Acid Plant D

1. The Plant D may operate continuously, i.e., 8760 hours/year.
2. The maximum production rate shall not exceed 2300 TPD (tons per day) based on 100% H₂SO₄.

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SPECIFIC CONDITIONS:

3. Sulfur dioxide (SO₂) emissions shall not exceed:
 - a) 4 lbs/ton of 100% H₂SO₄ produced
 - b) 383 lbs/hr
 - c) 1679 TPY (tons/yr)
4. Sulfuric acid mist emissions shall not exceed:
 - a) 0.15 lb/ton, 100% H₂SO₄ produced
 - b) 14.4 lbs/hr
 - c) 63 TPY
5. Visible Emissions (VE) shall not exceed 10% opacity.
6. Nitrogen oxides (NO_x) emissions are estimated to be 60 TPY, for inventory and PSD tracking purposes.
7. An SO₂ continuous emission monitor shall be maintained and operated in accordance with 40 CFR 60, Subpart H.
8. The permittee shall comply with all the applicable provisions of Chapter 17-2 and 17-4 of the Florida Administrative Code (FAC) and 40 CFR 60 Subpart H, Standards of Performance for Sulfuric Acid Plants.
9. Initial and annual compliance tests shall be conducted in accordance with 40 CFR 60 Subpart H, and Appendix A, to determine emissions of SO₂, acid mist, and visible emissions. EPA Method 8 for SO₂ and acid mist, and EPA Method 9 for visible emissions shall be used for compliance testing.
10. The DER district office shall be notified in writing 15 days prior to source testing. Written reports of the tests shall be submitted to the district office within 45 days of test completion.

The construction shall reasonably conform to the plans and schedule submitted in the application. If the permittee is unable to complete construction on schedule, the district office must be notified in writing 60 days prior to the expiration of the construction permit and the permittee shall submit a new schedule and request for an extension of the construction permit (Rule 17-2, FAC).

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SPECIFIC CONDITIONS:

To obtain a permit to operate, the permittee must demonstrate compliance with the conditions of the construction permit and submit a complete application for an operating permit, including the application fee, along with compliance test results, and the Certificate of Completion, to the district office 90 days prior to the expiration date of the construction permit. The permittee may continue to operate in compliance with all terms of the construction permit until its expiration date. Operation beyond the construction permit expiration date requires a valid permit to operate. (FAC Rules 17-2 and 17-4)

If the construction permit expires prior to the permittee filing an application for a permit to operate, then all activities at the project must cease. (FAC Rule 17-4)

11. Any change in the method of operation, raw materials and chemicals processed, equipment, or operating hours pursuant to FAC Rule 17-2.100(118), Modification, shall be submitted for approval to DER's Bureau of Air Quality Management office and the district office.

12. When start-up involving more than one acid plant occurs, a second plant will not be started up until the first plant is started and in compliance. The permittee shall take all reasonable precautions to avoid violations of ambient air quality standards during plant start-ups.

13. This permit shall replace previous permits issued for the Sulfuric Acid Plant D.

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Issued this 9 day of June,
1988.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


Dale Twachtmann, Secretary

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
 Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postage meter for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. 2. Restricted Delivery
 ↑(Extra charge)↑ ↑(Extra charge)↑

3. Article Addressed to: Mr. Hudson C. Smith Occidental Chemical Company P.O. Box 300 White Springs, FL 32096-0300	4. Article Number P 778 940 849
Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee <input checked="" type="checkbox"/>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent <input checked="" type="checkbox"/> <i>Marshall J. Marshall</i>	
7. Date of Delivery 6-16-88	

PS Form 3811, Mar. 1987 * U.S.G.P.O. 1987-178-268 DOMESTIC RETURN RECEIPT

P 778 940 849
RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

Sent to Hudson C. Smith Occidental Chemical Co. Street and No. P.O. Box 300 P.O., State and ZIP Code White Springs, FL 32096-0300	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date Mailed: 06/14/88 Permits: AC 24-146400, -402 and -404	

PS Form 3800, June 1985