

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400



BOB MARTINEZ
GOVERNOR
DALE TWACHTMANN
SECRETARY

PERMITTEE:
Occidental Chemical Agricultural
Products, Inc.
P. O. Box 300
White Springs, Florida 32096

Permit Number: AC 24-131270
Expiration Date: July 1, 1988
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 drawings, plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

For the modification of the existing Sulfuric Acid Plant D by increasing the production capacity from 1800 TPD (tons per day) to 2000 TPD.

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

Attachments:

1. Occidental's application package dated February 25, 1987.
2. DER's letter of incompleteness dated March 25, 1987.
3. Occidental's response dated March 30, 1987.
4. Occidental's additional information dated April 17, 1987.
5. DER's letter dated May 14, 1987.
6. Occidental's response dated June 30, 1987.

PERMITTEE:
Occidental Chemical Agricultural
Products, Inc.

Permit Number: AC 24-131270
Expiration Date: July 1, 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 Agricultural
Products, Inc.

Permit Number: AC 24-131270
Expiration Date: July 1, 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 Agricultural
Products, Inc.

Permit Number: AC 24-131270
Expiration Date: July 1, 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 non-compliance of the permitted activity until the transfer is approved by the Department.

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

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- (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:
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Expiration Date: July 1, 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 "D"

1. The maximum production rate shall not exceed 2000 TPD (tons per day) based on 100% H₂SO₄.
2. The maximum annual operating hours shall not exceed 8520 (355 days/yr).

PERMITTEE:
Occidental Chemical Agricultural
Products, Inc.

Permit Number: AC 24-131270
Expiration Date: July 1, 1988

SPECIFIC CONDITIONS:

3. Sulfur dioxide (SO₂) emissions shall not exceed:
 - a. 4 lb/ton of 100% H₂SO₄ produced
 - b. 334 lbs/hr
 - c. 1420 TPY (tons per year)
4. Sulfuric acid mist emissions shall not exceed:
 - a. 0.14 lb/ton of 100% H₂SO₄ produced
 - b. 12 lbs/hr
 - c. 50 TPY
5. Visible emissions shall not exceed 10% opacity.
6. The permittee shall comply with all the requirements of 40 CFR 60, Subpart H, Standards of Performance for Sulfuric Acid Plants.
7. Compliance tests shall be carried out in accordance with 40 CFR 60, Subpart H. The DER shall be notified 30 days in advance of the tests. Initial compliance tests shall be conducted for acid mist, SO₂, and visible emissions to determine compliance with the standards. Performance tests for nitrogen oxides to determine emissions shall be requested by DER when deemed necessary.
8. Any change in the method of operation, equipment, or operating hours shall be submitted for approval to the Department's District office.
9. This permit shall replace previous permit(s) issued for Occidental's Sulfuric Acid Plant "D".
10. Sulfuric Acid Plants A and B shall each be restricted to the following:
 - a. Maximum annual operating hours of 8520 (355 days)
 - b. Maximum production rate of 800 TPD (100% H₂SO₄)
 - c. SO₂ emissions not to exceed:
 - i) 29 lbs/ton of 100% H₂SO₄ produced
 - ii) 4118 TPY
 - d. Sulfuric acid mist emissions not to exceed:
 - i) 0.5 lb/ton of 100% H₂SO₄ produced
 - ii) 71 TPY
 - e. Visible emissions not to exceed 10% opacity

PERMITTEE:
Occidental Chemical Agricultural
Products, Inc.

Permit Number: AC 24-131270
Expiration Date: July 1, 1988

SPECIFIC CONDITIONS:

The current operating permit for A and B plants shall be amended to reflect the restrictions on the operating parameters.

11. When a start-up involving more than one acid plant occurs, a second (sequent) plant shall not be started up until the first (prior) plant is started and in compliance.

The permittee shall take all reasonable precautions possible to avoid violations of ambient air standards.

12. 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 Department must be notified in writing 60 days prior to the expiration of the construction permit and submit a new schedule and request for an extension of the construction permit. (Rule 17-4, FAC)

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 test results and Certificate of Completion, to the Department's 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. (Rule 17-4, FAC).

If the construction permit expires prior to the permittee requesting an extension or obtaining a permit to operate, then all activities at the project must cease and the permittee must apply for a new permit to construct which can take up to 90 days to process a complete application. (Rule 17-4, FAC)


PERMITTEE:
Occidental Chemical Agricultural
Products, Inc.

Permit Number: AC 24-131270
Expiration Date: July 1, 1988

SPECIFIC CONDITIONS:

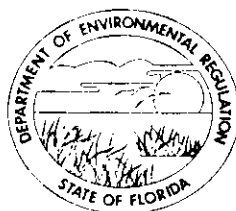
Issued this 30 day of Sept., 19 87

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION


Dale Twachtmann, Secretary

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400



BOB MARTINEZ
GOVERNOR
DALE TWACHTMANN
SECRETARY

PERMITTEE:
Occidental Chemical Agricultural
Products, Inc.
P. O. Box 300
White Springs, Florida 32096

Permit Number: AC 24-131271
Expiration Date: July 1, 1988
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 drawings, plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

For the modification of the existing Sulfuric Acid Plant C by increasing the production capacity from 1800 TPD (tons per day) to 2000 TPD.

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

Attachments:

1. Occidental's application package dated February 25, 1987.
2. DER's letter of incompleteness dated March 25, 1987.
3. Occidental's response dated March 30, 1987.
4. Occidental's additional information dated April 17, 1987.
5. DER's letter dated May 14, 1987.
6. Occidental's response dated June 30, 1987.

PERMITTEE:
Occidental Chemical Agricultural
Products, Inc.

Permit Number: AC 24-131271
Expiration Date: July 1, 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 Agricultural
Products, Inc.

Permit Number: AC 24-131271
Expiration Date: July 1, 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 Agricultural
Products, Inc.

Permit Number: AC 24-131271
Expiration Date: July 1, 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 non-compliance of the permitted activity until the transfer is approved by the Department.

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

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- (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 Agricultural
Products, Inc.

Permit Number: AC 24-131271
Expiration Date: July 1, 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 "C"

1. The maximum production rate shall not exceed 2000 TPD (tons per day) based on 100% H₂SO₄.
2. The maximum annual operating hours shall not exceed 8520 (355 days/yr).

PERMITTEE:
Occidental Chemical Agricultural
Products, Inc.

Permit Number: AC 24-131271
Expiration Date: July 1, 1988

SPECIFIC CONDITIONS:

3. Sulfur dioxide (SO₂) emissions shall not exceed:
 - a. 4 lb/ton of 100% H₂SO₄ produced
 - b. 334 lbs/hr
 - c. 1420 TPY (tons per year)
4. Sulfuric acid mist emissions shall not exceed:
 - a. 0.14 lb/ton of 100% H₂SO₄ produced
 - b. 12 lbs/hr
 - c. 50 TPY
5. Visible emissions shall not exceed 10% opacity.
6. The permittee shall comply with all the requirements of 40 CFR 60 Subpart H, Standards of Performance for Sulfuric Acid Plants.
7. Compliance tests shall be carried out in accordance with 40 CFR 60, Subpart H. The DER shall be notified 30 days in advance of the tests. Initial compliance tests shall be conducted for acid mist, SO₂, and visible emissions to determine compliance with the standards. Performance tests for nitrogen oxides to determine emissions shall be requested by DER when deemed necessary.
8. Any change in the method of operation, equipment, or operating hours shall be submitted for approval to the Department's District office.
9. This permit shall replace previous permit(s) issued for Occidental's Sulfuric Acid Plant "D".
10. Sulfuric Acid Plants A and B shall each be restricted to the following:
 - a. Maximum annual operating hours of 8520 (355 days)
 - b. Maximum production rate of 800 TPD (100% H₂SO₄)
 - c. SO₂ emissions not to exceed:
 - i) 29 lbs/ton of 100% H₂SO₄ produced
 - ii) 4118 TPY
 - d. Sulfuric acid mist emissions not to exceed:
 - i) 0.5 lb/ton of 100% H₂SO₄ produced
 - ii) 71 TPY
 - e. Visible emissions not to exceed 10% opacity

PERMITTEE:
Occidental Chemical Agricultural
Products, Inc.

Permit Number: AC 24-131271
Expiration Date: July 1, 1988

SPECIFIC CONDITIONS:

The current operating permit for A and B plants shall be amended to reflect the restrictions on the operating parameters.

11. When a start-up involving more than one acid plant occurs, a second (sequent) plant shall not be started up until the first (prior) plant is started and in compliance.

The permittee shall take all reasonable precautions possible to avoid violations of ambient air standards.

12. 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 Department must be notified in writing 60 days prior to the expiration of the construction permit and submit a new schedule and request for an extension of the construction permit. (Rule 17-4, FAC)

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 test results and Certificate of Completion, to the Department's 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. (Rule 17-4, FAC).

If the construction permit expires prior to the permittee requesting an extension or obtaining a permit to operate, then all activities at the project must cease and the permittee must apply for a new permit to construct which can take up to 90 days to process a complete application. (Rule 17-4, FAC)


PERMITTEE:
Occidental Chemical Agricultural
Products, Inc.

Permit Number: AC 24-131271
Expiration Date: July 1, 1988

SPECIFIC CONDITIONS:

Issued this 30 day of Sept, 19 87

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION


Dale Twachtmann, Secretary