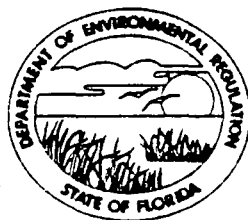


TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301



BOB GRAHAM
GOVERNOR
JACOB D. VARN
SECRETARY

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

April 24, 1981

Mr. R.E. Jones, Jr.
Vice President
New Wales Chemicals, Inc.
P. O. Box 1035
Mulberry, Florida 33860

Dear Mr. Jones:

Enclosed is Permit Numbers AC 53-37829
AC 53-37830, dated April 27, 1981
to New Wales Chemicals, Inc.
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,

Steve Smallwood, Chief
Bureau of Air Quality Management

SS:dav

Final Determination

New Wales Chemicals, Inc.
Polk County, Florida

Construction Permit

Application Numbers:

AC 53-37829

AC 53-37830

Florida Department of Environmental Regulation

Bureau of Air Quality Management

Central Air Permitting

April 27, 1981

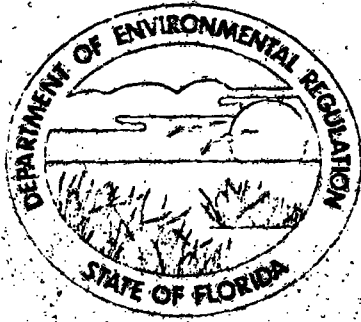
New Wales Chemicals, Inc.

Construction Permit

New Wales Chemicals' applications for permits to modify two sulfuric acid plants in Polk County have been reviewed by the Bureau of Air Quality Management. Public notice of the Department's Intent to Issue the construction permits was published in the Lakeland Ledger on March 26, 1981. Copies of the preliminary determination have been available for public inspection at the Department's Southwest District Office in Tampa and the Bureau of Air Quality Management Office in Tallahassee.

Comments on the proposed construction permits were received from New Wales Chemicals, Inc. The company requested that the special condition number 8 on boiler stack height be reworded. It now reads "minimum stack height of 85 ft", which was the Department's intention instead of "minimum extension of 85 ft", that was in the draft permit. The company has already extended the stack height on this boiler to 96.5 ft.

The final action by the Department shall be to issue the permits with the change noted above.



**STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL REGULATION**

**CONSTRUCTION
PERMIT**

NO. AC 53-37829
NEW WALES CHEMICALS, INC.,
POLK COUNTY, FLORIDA
SULFURIC ACID PLANT NO. 4

DATE OF ISSUANCE

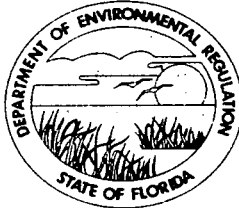
APRIL 27, 1981

DATE OF EXPIRATION

MARCH 1, 1982

VICTORIA J. TSCHINKEL,
SECRETARY

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



BOB GRAHAM
GOVERNOR
JACOB D. VARN
SECRETARY

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

APPLICANT: New Wales Chemicals, Inc.
P. O. Box 1035
Mulberry, Florida 33860

PERMIT/CERTIFICATION
NO. AC 53-37829

COUNTY: Polk

PROJECT: Sulfuric Acid
Plant No. 4

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:

For the construction of a 2750 TPD double absorption type Sulfuric Acid Plant to be located at Highway 640 & County Line Road, in Polk County, Florida. The UTM Coordinates of the proposed plant are 396.6 km E and 3078.9 km N.

Construction shall be in accordance with the attached permit application and plans, documents, and drawings except as otherwise noted on pages 3 and 4 - "Specific Conditions".

Attachments are as follows:

1. Application to Construct Air Pollution Sources, DER Form 17-1.122(16)
2. New Wales Chemicals letter of January 22, 1981, (Responses to technical discrepancies).

PERMIT NO.: AC 53-37829
APPLICANT: New Wales Chemicals, Inc.

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 53-37829
APPLICANT: New Wales Chemicals, Inc.

SPECIFIC CONDITIONS:

1. This permit replaces permit No. AC 53-19049
2. Maximum operation time will be 8,400 hours per year.
3. Maximum production rate will be 2750 tons per day and 114.6 tons per hour of 100% sulfuric acid.
4. The maximum amount of sulfur dioxide emitted will be 4 lb SO₂/ton 100% H₂SO₄ and 458.3 lb SO₂/hr.
5. The maximum amount of H₂SO₄ mist emitted will be 0.15 lb acid mist/ton 100% H₂SO₄ and 17.2 lb acid mist/hr.
6. Visible emissions shall not exceed 10% opacity.
7. Sulfur dioxide emission of the new sulfuric acid plant shall be continuously monitored in accordance with the provisions of Paragraph 60.84 of 40 CFR 60, Subpart H - Standards of Performance for Sulfuric Acid Plants. The applicant shall also comply with all other applicable requirements of 40 CFR 60, Subpart H. Quarterly reports of excess emissions from this plant will be submitted to the Department's Southwest District Office.
8. While construction is underway and before operating this plant, the stack for the standby boiler on operating permit AO 53-5962 will be extended to a minimum of 85 feet to prevent any violation of the ambient air standards for SO₂.
9. Reasonable precautions to prevent fugitive particulate emissions during construction, such as coating or spraying roads and construction sites used by contractors, will be taken by the applicant.
10. Construction shall reasonably conform to the plans submitted in the application.
11. The applicant shall report any delays in construction and completion of this plant to the Department's Southwest District Office.
12. Before this construction permit expires, the sulfuric acid plant will be tested for visible emissions, sulfur dioxide and sulfuric acid mist. Test procedures will be EPA reference methods 1,2,3,8, and 9 as published in 40 CFR 60, Appendix A, dated July 1, 1978 or by any other State-approved method. Minimum sample volume and time per run will be as defined in 40 CFR 60, Subpart H. The Department will be notified 30 days in advance of the compliance test. The test will be conducted at permitted production capacity +10%.

PERMIT NO.: AC 53-37829
APPLICANT: New Wales Chemicals, Inc.

Specific Conditions (Con't)

13. The applicant will demonstrate compliance with the conditions of this construction permit and submit a complete application for an operating permit to the Department's Southwest District Office prior to 90 days before the expiration date of this permit. The applicant may continue to operate in compliance with all terms of this construction permit until its expiration or until issuance of an operating permit.
14. Upon obtaining an operating permit, the applicant will be required to submit periodic test reports on the actual operation and emissions of the facility.
15. Stack sampling facilities will include the eyebolt and angle described in Chapter 17-2.23, F.A.C.


Victoria J. Tschinkel,
Secretary

Expiration Date: March 1, 1982

Issued this 27 day of April, 19 81

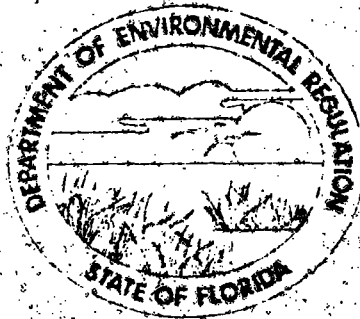
_____ Pages Attached.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION



Signature

PAGE 4 OF 4



**STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL REGULATION**

**CONSTRUCTION
PERMIT**

NO. AC 53-37830
NEW WALES CHEMICALS, INC.
POLK COUNTY, FLORIDA
SULFURIC ACID PLANT NO. 5

DATE OF ISSUANCE

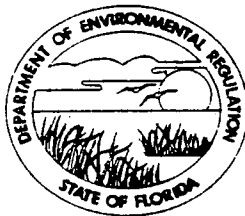
APRIL 27, 1981

DATE OF EXPIRATION

JUNE 1, 1982

VICTORIA J. TSCHINKEL,
SECRETARY

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



BOB GRAHAM
GOVERNOR
JACOB D. VARN
SECRETARY

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

APPLICANT: New Wales Chemicals, Inc.
P. O. Box 1035
Mulberry, Florida 33860

PERMIT/CERTIFICATION
NO. AC 53-37830

COUNTY: Polk

PROJECT: Sulfuric Acid
Plant No. 5

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:

For the construction of a 2750 TPD double absorption type Sulfuric Acid Plant to be located at Highway 640 & County Line Road, in Polk County, Florida. The UTM Coordinates of the proposed plant are 396.6 km E and 3078.9 km N.

Construction shall be in accordance with the attached permit application and plans, documents, and drawings except as otherwise noted on pages 3 and 4 - "Specific Conditions".

Attachments are as follows:

1. Application to Construct Air Pollution Sources, DER Form 17-1.122(16)
2. New Wales Chemicals letter of January 22, 1981, (Responses to technical discrepancies).

PERMIT NO.: AC 53-37830
APPLICANT: New Wales Chemicals, Inc.

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 53-37830
APPLICANT: New Wales Chemicals, Inc.

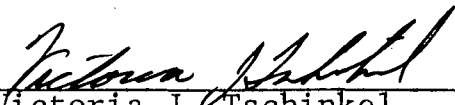
SPECIFIC CONDITIONS:

1. This permit replaces permit No. AC 53-19050
2. Maximum operation time will be 8,400 hours per year.
3. Maximum production rate will be 2750 tons per day and 114.6 tons per hour of 100% sulfuric acid.
4. The maximum amount of sulfur dioxide emitted will be 4 lb SO₂/ton 100% H₂SO₄ and 458.3 lb SO₂/hr.
5. The maximum amount of H₂SO₄ mist emitted will be 0.15 lb acid mist/ton 100% H₂SO₄ and 17.2 lb acid mist/hr.
6. Visible emissions shall not exceed 10% opacity.
7. Sulfur dioxide emission of the new sulfuric acid plant shall be continuously monitored in accordance with the provisions of Paragraph 60.84 of 40 CFR 60, Subpart H - Standards of Performance for Sulfuric Acid Plants. The applicant shall also comply with all other applicable requirements of 40 CFR 60, Subpart H. Quarterly reports of excess emissions from this plant will be submitted to the Department's Southwest District Office.
8. While construction is underway and before operating this plant, the stack for the standby boiler on operating permit AO 53-5962 will be extended to a minimum of 85 feet to prevent any violation of the ambient air standards for SO₂.
9. Reasonable precautions to prevent fugitive particulate emissions during construction, such as coating or spraying roads and construction sites used by contractors, will be taken by the applicant.
10. Construction shall reasonably conform to the plans submitted in the application.
11. The applicant shall report any delays in construction and completion of this plant to the Department's Southwest District Office.
12. Before this construction permit expires, the sulfuric acid plant will be tested for visible emissions, sulfur dioxide and sulfuric acid mist. Test procedures will be EPA reference methods 1,2,3,8, and 9 as published in 40 CFR 60, Appendix A, dated July 1, 1978 or by any other State-approved method. Minimum sample volume and time per run will be as defined in 40 CFR 60, Subpart H. The Department will be notified 30 days in advance of the compliance test. The test will be conducted at permitted production capacity $\pm 10\%$.

PERMIT NO.: AC 53-37830
APPLICANT: New Wales Chemicals, Inc.

Specific Conditions (Con't)

13. The applicant will demonstrate compliance with the conditions of this construction permit and submit a complete application for an operating permit to the Department's Southwest District Office prior to 90 days before the expiration date of this permit. The applicant may continue to operate in compliance with all terms of this construction permit until its expiration or until issuance of an operating permit.
14. Upon obtaining an operating permit, the applicant will be required to submit periodic test reports on the actual operation and emissions of the facility.
15. Stack sampling facilities will include the eyebolt and angle described in Chapter 17-2.23, F.A.C.


Victoria J. Tschinkel,
Secretary

Expiration Date: June 1, 1982

Issued this 27 day of April, 19 81

_____ Pages Attached.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION


Signature

PAGE 4 OF 4

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: _____	

TO: Victoria J. Tschinkel
FROM: *Steve Smallwood* Steve Smallwood, Chief, Bureau of Air Quality Management
DATE: April 27, 1981
SUBJ: Approval and Signature - Air Construction Permits
New Wales Chemicals, Inc.

Attached please find two Air Construction Permits for which the applicant is New Wales Chemicals, Inc. The proposed construction is for two sulfuric acid plants to be located on Highway 640 and County Line Road near Mulberry, Polk County, Florida.

The day after which the permits would be issued by default is April 29, 1981.

I recommend your approval and signature.

SS:dav

RECEIVED
APR 27 1981

Office of the Secretary