

State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

INTEROFFICE MEMORANDUM

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

TO: Jacob D. Varn
FROM: *Steve Smallwood*
DATE: January 30, 1981
SUBJ: Approval and Signature - Air Construction Permits
Agrico Chemical Company, Polk County

Attached please find four Air Construction Permits for Agrico Chemical Company. The proposed permits are for a sulfuric acid plant, DAP plant, DAP storage and shipping facility and a phosphoric acid plant modification at the Agrico Chemical Company plant on State Road 630, Polk County, Florida.

Day 90, after which the permits would be issued by default, is February 1, 1981.

We recommend that you approve and sign the attached construction permits.

SS:dav

Attachments

No. 467349

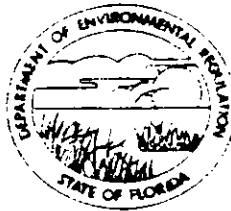
RECEIPT FOR CERTIFIED MAIL

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

SENT TO		J.C. Lowman	
STREET AND NO.		P.O. 1969	
P.O. STATE AND ZIP CODE		DARTON, FL 33830	
POSTAGE		\$	
CONSULT POSTMASTER FOR FEES	OPTIONAL SERVICES	CERTIFIED FEE	€
		SPECIAL DELIVERY	€
		RESTRICTED DELIVERY	€
	RETURN RECEIPT SERVICE	SHOW TO WHOM AND DATE DELIVERED	€
		SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	€
		SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	€
		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	€
TOTAL POSTAGE AND FEES		\$	
POSTMARK OR DATE			
1/30/81			

PS Form 3800, Apr. 1976

TWIN TOWERS OFFICE BUILDING
2800 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301



BOB GRAHAM
GOVERNOR
JACOB D. VARN
SECRETARY

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

January 30, 1981

Mr. J.C. Lahman, Plant Manager
Agrico Chemical Company
P. O. Box 1969
Bartow, Florida

Dear Mr. Lahman:

AC 53-34861 AC 53-34868
Enclosed is Permit Number AC 53-34865 AC 53-34871 dated January 30, 1981
to Agrico Chemical Company
issued pursuant to Section 403, Florida Statutes.

Acceptance of the permit constitutes notice and agreement that the Department will periodically review this permit for compliance, including site inspections where applicable, and may initiate enforcement actions for violation of the conditions and requirements thereof.

Sincerely,

for Steve Smallwood
for Steve Smallwood, Chief
Bureau of Air Quality Management

cc: Kent Williams
J.B. Koogler
Dan Williams

Final Determination

Agrico Chemical Company
Polk County, Florida

Construction Permit

Application Numbers:

AC 53-34861
AC 53-34865
AC 53-34868
AC 53-34871

Florida Department of Environmental Regulation

Bureau of Air Quality Management

Central Air Permitting

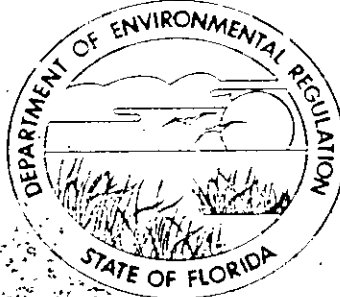
January 30, 1981

Final Determination

Agrico Chemical Company's applications for permits to construct a sulfuric acid plant, DAP plant, DAP storage and shipping facility and to modify a phosphoric acid plant at their chemical complex in Polk County, Florida, have been reviewed by the Bureau of Air Quality Management. Public notice of the Department's Intent to Issue was published in the Tampa Tribune on January 1, 1981.

Copies of the preliminary determination were available for public inspection at the Department's Southwest District Office in Tampa and Bureau of Air Quality Management in Tallahassee. No comments were received by the Department as a result of the public notice.

The final action of the Department is to issue the permits as proposed in the preliminary determination.



STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL REGULATION

CONSTRUCTION
PERMIT

NO.

AC 53-34868

AGRICO-CHEMICAL COMPANY
BARTOW, FLORIDA
PHOSPHORIC ACID PLANT

DATE OF ISSUANCE

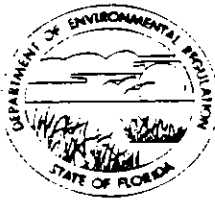
JANUARY 30, 1981

DATE OF EXPIRATION

JUNE 30, 1981


JACOB D. VARN
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: Agrico Chemical Company
P. O. Box 1969
Bartow, Florida 33930

PERMIT/CERTIFICATION
NO.AC 53-34868

COUNTY: Polk

PROJECT: Phosphoric
Acid Plant

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 modification of two existing phosphoric acid plants to be located at State Road 630, South Pierce, in Polk County, Florida. The UTM Coordinates of the proposed plants are 407.5 km E and 3071.4 km N.

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

Attachments are as follows:

1. Application to Construct Air Pollution Sources, DER Form 17-1.122(16).
2. Agrico Chemical Company, Responses to Technical Discrepancies, October 30, 1980.

PERMIT NO.: 53-34868
APPLICANT: Agrico Chemical Company

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 53-34868
APPLICANT: Agrico Chemicals Company

Specific Conditions

Phosphoric Acid Plant

1. Maximum production rate will be 100 ton per hour at 100% P_2O_5 .
2. Maximum operating time will be 7,884 hours per year.
3. The maximum amount of total fluoride emitted will be 0.02 lb. F/ton P_2O_5 input and 1.11 lbs. F/hr. from each stack.
4. Fugitive emissions in the Phosphoric Acid Plant will be controlled by sealing and venting all fumes from the process and conveying equipment to pollution control equipment.
5. 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 Permittee.
6. Construction should reasonably conform to the plans submitted in the application.
7. The applicant should report any delays in construction and completion.
8. Before the construction permit expires, the Phosphoric Acid Plant will be sampled for particulate and total fluoride. Test procedures will be EPA reference methods 1, 2, 3, 4, 5, and 13A or 13B as published in 40 CFR 60, Appendix A, dated July 1, 1978, or by any other State approved methods. DER will be notified 30 days in advance of the compliance test. The test will be conducted at permitted production capacity $\pm 10\%$. Flow of the scrubber water (GPM), water pressure and pressure drop across the scrubbers, will be as normally operated and reported, along with the test data and results, to DER. Test results will be the average of 3 valid runs.

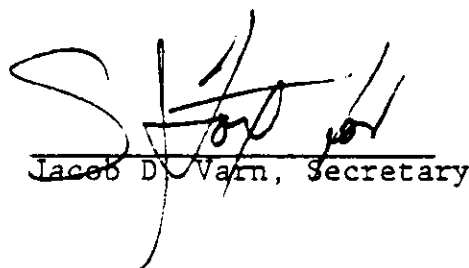
Minimum sample time and volume per run will be as defined in the applicable NSPS.

9. The applicant will demonstrate compliance with the conditions of the construction permit and submit a complete application for an operating permit to the Tampa District office prior to 90 days of the expiration date of the construction permit. The permittee may continue to operate in compliance with all terms of the construction permit until the expiration date or issuance of an operating permit.

APPLICANT: Agrico Chemicals Company

Specific Conditions (cont'd)

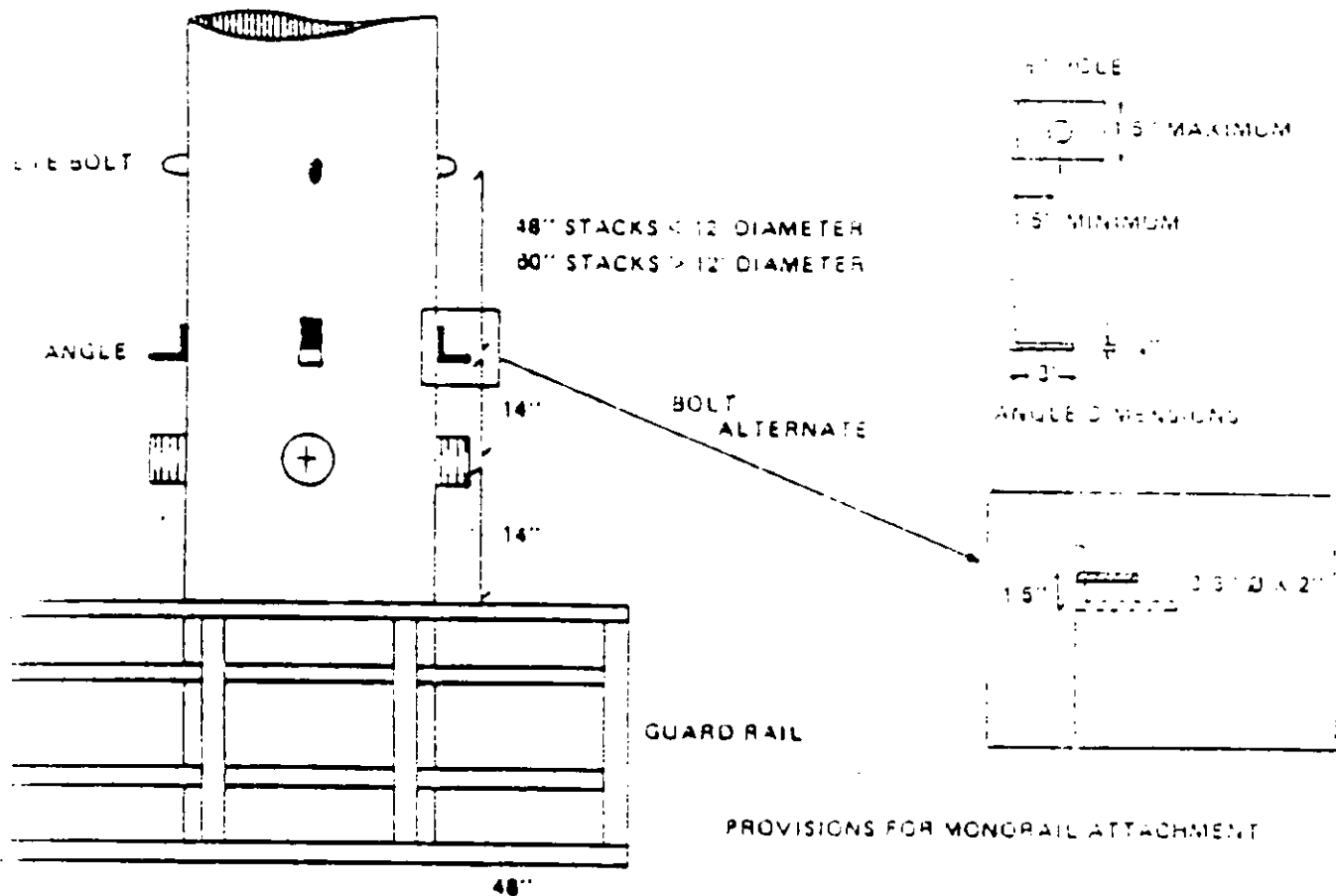
10. Upon obtaining an operating permit, the applicant will be required to submit periodic test reports on the actual operation and emission of the facility. These reports will give emission test data, emission test results, scrubber parameters (pressure drop and water flow) and phosphoric acid production.
11. Stack sampling facilities will include the eyebolt and angle described in the attached figure.
12. The applicant shall install, calibrate and operate a monitoring device which can be used to determine the mass flow of phosphorus-bearing feed material to the process. The monitoring device shall have an accuracy of ± 5 percent over its operating range.
13. The applicant shall maintain a daily record of equivalent P_2O_5 feed by first determining the total mass rate in ton/hr. of phosphorus bearing feed using a monitoring device for measuring mass flow rate which meets the requirements of the above paragraph (14) and then by proceeding according to 40 CFR 60.204(d)(2) Subpart T, Standards of Performance for the Phosphate Fertilizer Industry: Wet Process Phosphoric Acid Plant.
14. The applicant shall install, calibrate, maintain, and operate a monitoring device which continuously measures and permanently records the total pressure drop across the process scrubbing system. The monitoring device shall have an accuracy of ± 5 percent over its operating range.


Jacob D. Varn, Secretary

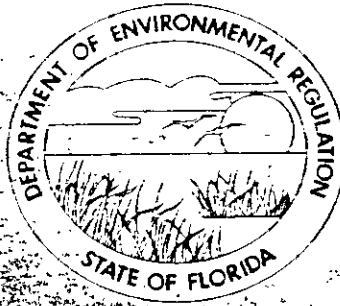
Expiration Date: June 30, 1982

Issued this 30 day of January, 19 82
STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

AN EYEBOLT AND ANGLE SHALL BE ATTACHED DIRECTLY ABOVE EACH PORT OF VERTICAL STACKS AND ABOVE EACH VERTICAL SET OF PORTS FOUND ON THE SIDES OF HORIZONTAL DUCTWORK 1.8 WORKING PLATFORMS. THE DIMENSIONS AND PLACEMENT OF THESE FIXTURES ARE SHOWN IN FIGURE 1.



IF EYEBOLT IS MORE THAN 120 INCHES ABOVE THE PLATFORM A PIECE OF CHAIN SHOULD BE ATTACHED TO IT TO BRING THE POINT OF ATTACHMENT WITHIN SAFE REACH. THE EYEBOLT SHOULD BE CAPABLE OF SUPPORTING A 500 POUND WORKING LOAD.



STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL REGULATION

CONSTRUCTION
PERMIT

NO. AC-53-34865

AGRICO CHEMICAL COMPANY
BARTOW, FLORIDA
DAP STORAGE AND SHIPPING FACILITY

DATE OF ISSUANCE

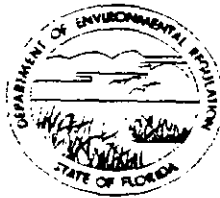
JANUARY 30, 1981

DATE OF EXPIRATION

JANUARY 30, 1983


JACOB D. VARN
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: Agrico Chemical Company
P. O. Box 1969
Bartow, Florida 33830

PERMIT/CERTIFICATION
NO. AC 53-34865

COUNTY: Polk

PROJECT: DAP plant storage
and shipping facility

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 600,000 TPY DAP plant storage and shipping facility to be located at State Road 630, South Pierce, in Polk County, Florida. The UTM coordinates of the proposed plant are 407.4 km E and 3071.7 km N.

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

Attachements are as follows:

1. Application to Construction Air Pollution Sources, DER Form 17-1.122(16).
2. Agrico Chemical Company, Responses to Technical Discrepancies, October 30, 1980.

PERMIT NO.: AC 53-34865
APPLICANT: Agrico Chemical Company

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.

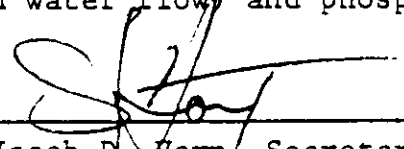
13. This permit also constitutes:

- ☒ 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)

Specific Conditions

DAP storage and shipping facility

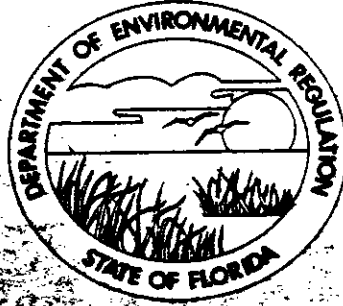
1. The maximum amount of particulate emissions will be 3.4 lb./hr.
2. The DAP storage and shipping facility will have a maximum storage capacity of 600,000 TPY. Maximum hourly input will be 100 TPH and maximum shipping output will be 200 TPH.
3. Maximum operating time will be 8,760 hours per year.
4. Reasonable precautions to prevent fugitive particulate emissions during construction such as coating or spraying roads and construction sites will be taken by the permittee.
5. Construction should reasonably conform to the plans submitted in the application.
6. The applicant should report any delays in construction and completion.
7. Before the construction permit expires, the DAP Storage and Shipping Facility scrubber will be sampled for particulate. Test procedures will be EPA reference methods 1, 2, 3, 4, and 5 as published in 40 CFR 60, Appendix A, dated July 1, 1978 or by any other State approved methods. DER will be notified 30 days in advance of the compliance test. The test will be conducted at permitted production capacity +10%.
8. The applicant will demonstrate compliance with the conditions of the construction permit and submit a complete application for an operating permit to the Tampa District office prior to 90 days of the expiration date of the construction permit. The permittee may continue to operate in compliance with all terms of the construction permit until the expiration date or issuance of an operating permit.
9. Upon obtaining an operating permit, the applicant will be required to submit periodic test reports on the actual operation and emissions of the facility. These reports will give emissions test data, emission test results, scrubber parameters (pressure drop and water flow) and phosphoric acid production.


Jacob D. Warr, Secretary

Expiration Date: January 30, 1983

Issued this 30 day of January, 1981

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION



**STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL REGULATION**

**CONSTRUCTION
PERMIT**

NO. AC 53-34861

**AGRICO CHEMICAL COMPANY
BARTON, FLORIDA
DAP PLANT**

DATE OF ISSUANCE

JANUARY 31, 1983

DATE OF EXPIRATION

JANUARY 30, 1985


**JACOB D. VARN
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: Agrico Chemical Company
P. O. Box 1969
Bartow, Florida

PERMIT/CERTIFICATION
NO. AC 53-34861

COUNTY: Polk

PROJECT: DAP Plant

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 100 TPH Diammonium Phosphate plant to be located at State Road 630, South Pierce, Polk County, Florida. The UTM coordinates of the proposed plant are 407.4 km E and 3071.7 km N.

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

Attachments are as follows:

1. Application to Construct Air Pollution Sources, DER Form 17-1.122(16).
2. Agrico Chemical Company, Responses to technical discrepancies, October 30, 1980.

PERMIT NO.: AC 53-34861
APPLICANT: Agrico Chemical Company

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 53-34861
APPLICANT: Agrico Chemical Company

Specific Conditions

Diammonium phosphate plant

1. Maximum production rate will be 100 ton DAP/hr.
2. The emissions from the stack will not exceed:

Pollutant	Emission Rates
Particulate	0.5 lb/ton P_2O_5 input and 24.0 lb./hr.
SO_2	0.7 lb/ton P_2O_5 and 33.5 lb./hr.
Fluoride	0.06 lb/ton P_2O_5 input and 2.9 lb./hr.
3. Maximum operating time will be 7,884 hours per year.
4. Fugitive emissions from the process, conveying and storage equipment will be controlled by sealing and/or venting all particulate and fumes from the equipment to pollution abatement equipment.
5. No. 6 fuel oil used by the dryer shall contain no more than 2.25% sulfur.
6. The permittee will install, calibrate, maintain, operate and record data from flow monitoring devices used to determine total P_2O_5 input to the plant. A daily record on the P_2O_5 input to the plant will be maintained.
7. The permittee will measure and record the total pressure drop across each scrubber system. Pressure drop across the venturi scrubbers must be at least 12 inches of water during plant operations. These records will be maintained for 2 years and available for inspection by regulatory agency personnel on request.
8. 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 permittee.
9. Before the construction permit expires, the DAP plant will be sampled for particulate, sulfur dioxide and fluoride emissions. Test procedures will be EPA reference methods 1, 2, 3, 5, 6, and 13A or 13B as published in 40 CFR 60, Appendix A, dated July 1, 1978, or by any other state approved methods. DER will be notified 30 days in advance of the compliance test. The test will be conducted at permitted

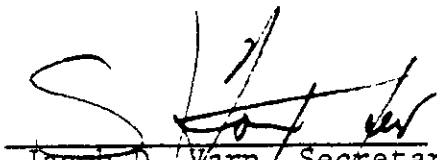
PERMIT NO: AC 53-34861
APPLICANT: Agrico Chemical Company

Specific Conditions (cont'd)

production capacity $\pm 10\%$). P_2O_5 input, PH of scrubber solution, and pressure drop across the scrubbers, will be as normally operated and reported, along with the test data and results, to DER.

The applicant will demonstrate compliance with the conditions of this permit and submit a complete application for an operating permit to the S.W. DER office at least 90 days before the expiration date of this construction permit. The permittee may continue to operate in compliance with all terms of this permit until the expiration date or issuance of an operating permit.

10. Periodic emission tests or tests on request by DER at the source's expense will be a condition to any permit to operate. If the source can furnish a study on the permitted DAP plant showing a correlation between the emissions of any pollutant and plant operation parameters, the periodic emission test for that pollution may be waived by the Department.
11. Stack sampling facilities will include the angle and eyebolt shown in the attached figure.


Jacob D. Varn Secretary

Expiration Date: January 30, 1983

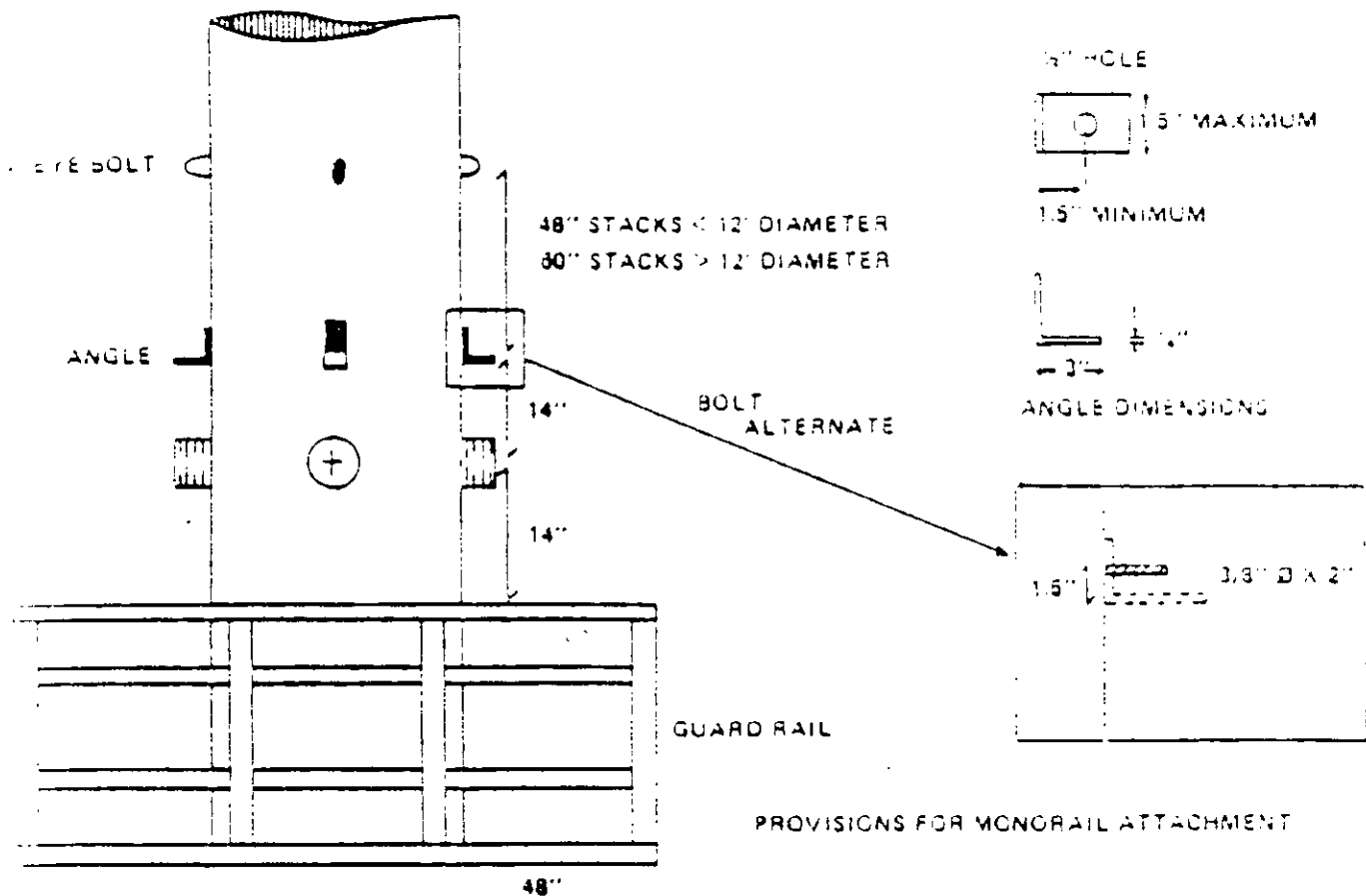
Issued this 30 day of

January 1983

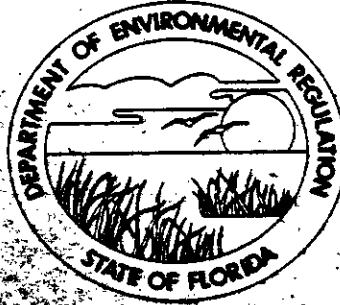
STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

Under the conditions of the proposed expansion the fluoride emission rate from all point sources in the SPCW will decrease to approximately 40 tons per year. Since there will be an overall reduction in fluoride emissions from point sources and since the emissions from the ponds will increase only slightly (approximately five tons per year) it is doubtful that any fluoride related impacts will be observed in the future.

AN EYEBOLT AND ANGLE SHALL BE ATTACHED DIRECTLY ABOVE EACH PORT OF VERTICAL STACKS AND ABOVE EACH VERTICAL SET OF PORTS FOUND ON THE SIDES OF HORIZONTAL DUCTWORK IN WORKING PLATFORMS. THE DIMENSIONS AND PLACEMENT OF THESE FIXTURES ARE SHOWN IN FIGURE 11



IF EYEBOLT IS MORE THAN 120 INCHES ABOVE THE PLATFORM A PIECE OF CHAIN SHOULD BE ATTACHED TO IT TO BRING THE POINT OF ATTACHMENT WITHIN SAFE REACH. THE EYEBOLT SHOULD BE CAPABLE OF SUPPORTING A 500 POUND WORKING LOAD.



STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL REGULATION

CONSTRUCTION
PERMIT

NO. AC 53-34871

AGRICO CHEMICAL COMPANY
BARTON, FLORIDA
SULFURIC ACID PLANT

DATE OF ISSUANCE

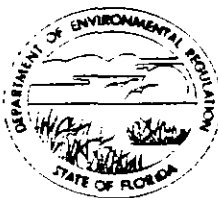
JANUARY 30, 1981

DATE OF EXPIRATION

MARCH 30, 1981


JACOB D. VARN
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: Agrico Chemical Company
P. O. Box 1969
Bartow, Florida 33830

PERMIT/CERTIFICATION
NO. AC 53-34871

COUNTY: Polk

PROJECT: Sulfuric Acid Plant

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 2000 TPD Sulfuric Acid Plant to be located at State Road 630, South Pierce, in Polk County, Florida. The UTM Coordinates of the proposed plant are 407.6 km E and 3071.3 km N.

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

Attachments are as follows:

1. Application to construct Air Pollution Sources, DER Form 17-1.122(16).
2. Agrico Chemical Company Responses to Technical Discrepancies, October 30, 1980.

PERMIT NO.: AC 53-34871
APPLICANT: Agrico Chemical Company

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)

Specific Conditions

Sulfuric Acid Plant

1. Maximum operation time will be 8,400 hours per year.
2. Maximum production rate will be 2,000 ton per day of 100% sulfuric acid and 83.33 TPH.
3. The maximum amount of sulfur dioxide emitted will be 4 lb. SO₂/ton 100% H₂SO₄ and 333.3 lb. SO₂/hr.
4. The amount of H₂SO₄ mist emitted will be a maximum of 0.15 lb. acid mist/ton 100% H₂SO₄ and 12.5 lb. acid/hr.
5. A continuous monitoring system for the measurement of sulfur dioxide shall be installed, calibrated, maintained, and operated by the applicant. The pollutant gas used to prepare calibration gas mixture under paragraph 2.1 Performance Specification 2 and for calibration checks under 40 CFR 60.13(d) shall be sulfur dioxide (SO₂). Reference Method 8 shall be used for conducting monitoring system performance evaluations under 40 CFR 60.13(c) except that only the sulfur dioxide portion of the Method 8 results shall be used. The span shall be set at 1000 ppm of sulfur dioxide.
6. The applicant shall establish a conversion factor for the purpose of converting monitoring data into units of the applicable standard (kg/metric ton, lb./short ton). The conversion factor shall be determined, as a minimum, three times daily by measuring the concentration of sulfur dioxide entering the converter using suitable methods and calculating the appropriate conversion factor for each eight hour period as follows:

$$CF = K \frac{(1.000 - 0.015r)}{r-s}$$

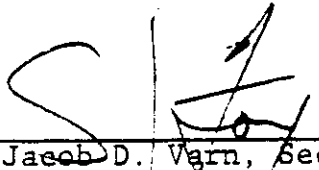
where CF, K, r, and s are defined as in 40 CFR 60.84(b).

7. The applicant shall record all conversion factors and values under paragraph (b) as set forth in 40 CFR 60.84 Subpart H - Standards of Performance for Sulfuric Acid Plant.
8. For the purpose of reports under 40 CFR 60.7(c), periods of excess emission shall be all three-hour periods (or the arithmetic average of three consecutive one-hour periods) during which the integrated average sulfur dioxide emissions exceed the applicable standards under 40 CFR 60.82.

PERMIT NO. AC 53-34871
APPLICANT Agrico Chemical Company

Specific Conditions (cont'd)

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 Permittee.
10. Construction should reasonably conform to the plans submitted in the application.
11. The applicant should report any delays in construction and completion.
12. Before the 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 the applicable NSPS. DER will be notified 30 days in advance of the compliance test. The test will be conducted at permitted production capacity $\pm 10\%$.
13. The applicant will demonstrate compliance with the condition of the construction permit and submit a complete application for an operating permit to the Tampa District office prior to 90 days of the expiration date of the construction permit. The permittee may continue to operate in compliance with all terms of the construction permit until the expiration date or 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 the attached figures.
16. Visible emission shall not exceed 10% opacity.



Jacob D. Varn, Secretary

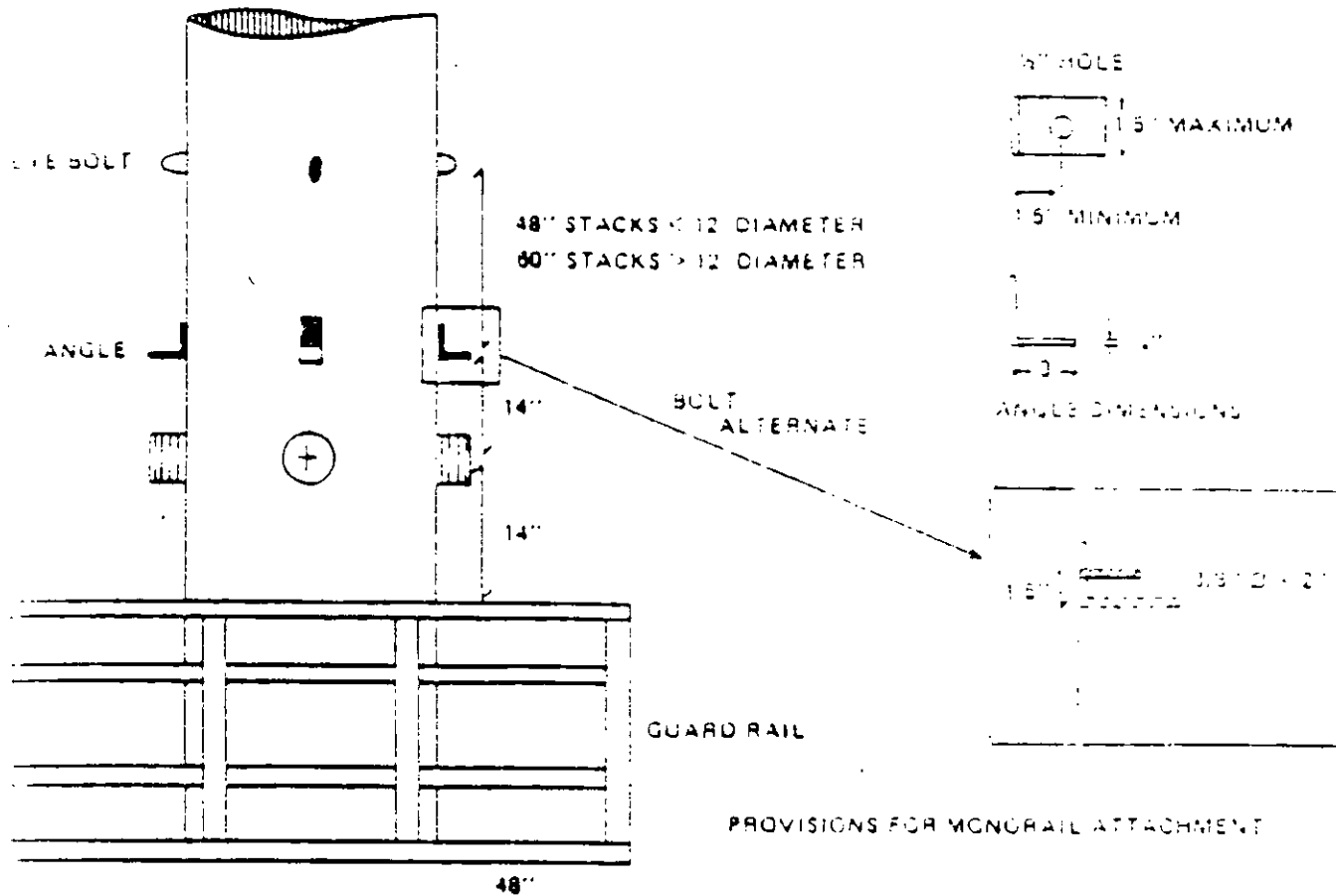
Expiration Date: March 30, 1983

Issued this 30 day of

January 1981

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

AN EYEBOLT AND ANGLE SHALL BE ATTACHED DIRECTLY ABOVE EACH PORT OF VERTICAL STACKS AND ABOVE EACH VERTICAL SET OF PORTS FOUND ON THE SIDES OF HORIZONTAL BOOTWORK 1.8 WORKING PLATFORMS. THE DIMENSIONS AND PLACEMENT OF THESE FIXTURES ARE SHOWN IN FIGURE 1.1



IF EYEBOLT IS MORE THAN 120 INCHES ABOVE THE PLATFORM A PIECE OF CHAIN SHOULD BE ATTACHED TO IT TO BRING THE POINT OF ATTACHMENT WITHIN SAFE REACH. THE EYEBOLT SHOULD BE CAPABLE OF SUPPORTING A 500 POUND WORKING LOAD.