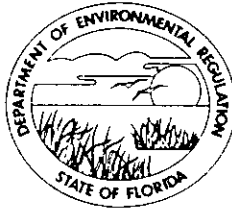


STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

September 2, 1986

Mr. Phillip A. Steadham
Agrico Chemical Company
Post Office Box 1969
Bartow, Florida 33830

Dear Mr. Steadham:

Re: Permit No. AC 53-111196, Sulfur Pellet Handling and
Melting Facility, Specific Condition No. 10

The department has received and reviewed your letter of August 5, 1986.

Your sulfur monitoring plan is acceptable to the department. However, 90 days prior to the commencement date of the monitoring network, the department shall be notified of the monitoring equipment chosen (part C of your letter) and the commencement date.

If you have any questions, please call Pradeep Raval at (904)488-1344 or write to me at the above address.

Sincerely,

C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management

CHF/PR/s

cc: H. Long
V. Snow
B. Thomas

DER

AUG 8 1986

BAQM



August 5, 1986

Mr. C. H. Fancy, P.E.
Deputy Chief,
Bureau of Air Quality Management
Florida Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32301-8241

RE: PERMIT NO. AC53-111196, SULFUR PELLET HANDLING AND MELTING
FACILITY, SPECIFIC CONDITION NO. 10: AMBIENT AIR AND
DEPOSITION MONITORING PLAN

Dear Mr. Fancy:

In response to your letter of July 22, 1986 requesting additional information on the above referenced subject, I submit the following:

A) MONITORING PLAN OBJECTIVE

To comply with F.D.E.R. Permit No. AC53-111196, Specific Condition No. 10, which requires a Sulfur Deposition and an Ambient Air Monitoring Plan to be submitted within 90 days of issuance of the subject permit.

B) MONITORING SITE SELECTION CRITERIA

The monitoring sites were selected based on the consideration of several factors:

1. All stations have a free exposure from local pollution sources and interference from buildings and other high objects.
2. All sites are accessible, yet are located in a secure area to assure freedom from tampering. The southwest and southeast stations are located within a five-foot chain link fence. The north station is about 2000 feet from the nearest plant activities in a remote area.
3. All sites are at least 100 meters away from the source of sulfur particulate.
4. The Hi-Vol sampler site was chosen because of a nearby electrical power source.

Mr. C. H. Fancy
Page Two

B) [Continued]

5. The stations were chosen so that they would be influenced by the three most predominant wind directions as indicated by the attached wind rose for Lakeland, Florida (1974).

C) MONITORING EQUIPMENT DESCRIPTION

As yet, no equipment has been purchased for implementing the monitoring plan. We anticipate using modified Nipher Gauges and Hi-Vol samplers. We will provide a description of the equipment once available and prior to commencement of the monitoring program.

D) METHOD OF MONITORING EVALUATION AND ITS FREQUENCY

Method of monitoring evaluation and frequency will be in accordance with Chapter 17-2.753, F.A.C.

E) QUALITY ASSURANCE MEASURES

Test method, sampling, laboratory procedure, and calculations and recordkeeping will be performed in accordance with DER Reference Method for Monitoring the Deposition of Sulfur Particulate, Chapter 17-2.753, F.A.C.

F) FREQUENCY OF MONITORING REPORT SUBMISSION

Monitoring reports will be submitted quarterly.

G) MONITORING NETWORK COMMENCEMENT DATE

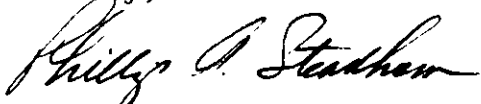
Approximately four to five months before completion of construction and before receipt or handling of prilled sulfur, monitoring plan will begin for purposes of determining background amounts of particulate sulfur.

Monitoring will continue as required by the permit.

This completes the topics for which you requested additional information in evaluating our ambient air and sulfur deposition monitoring plan.

Should you have any other questions, please contact me.

Sincerely,

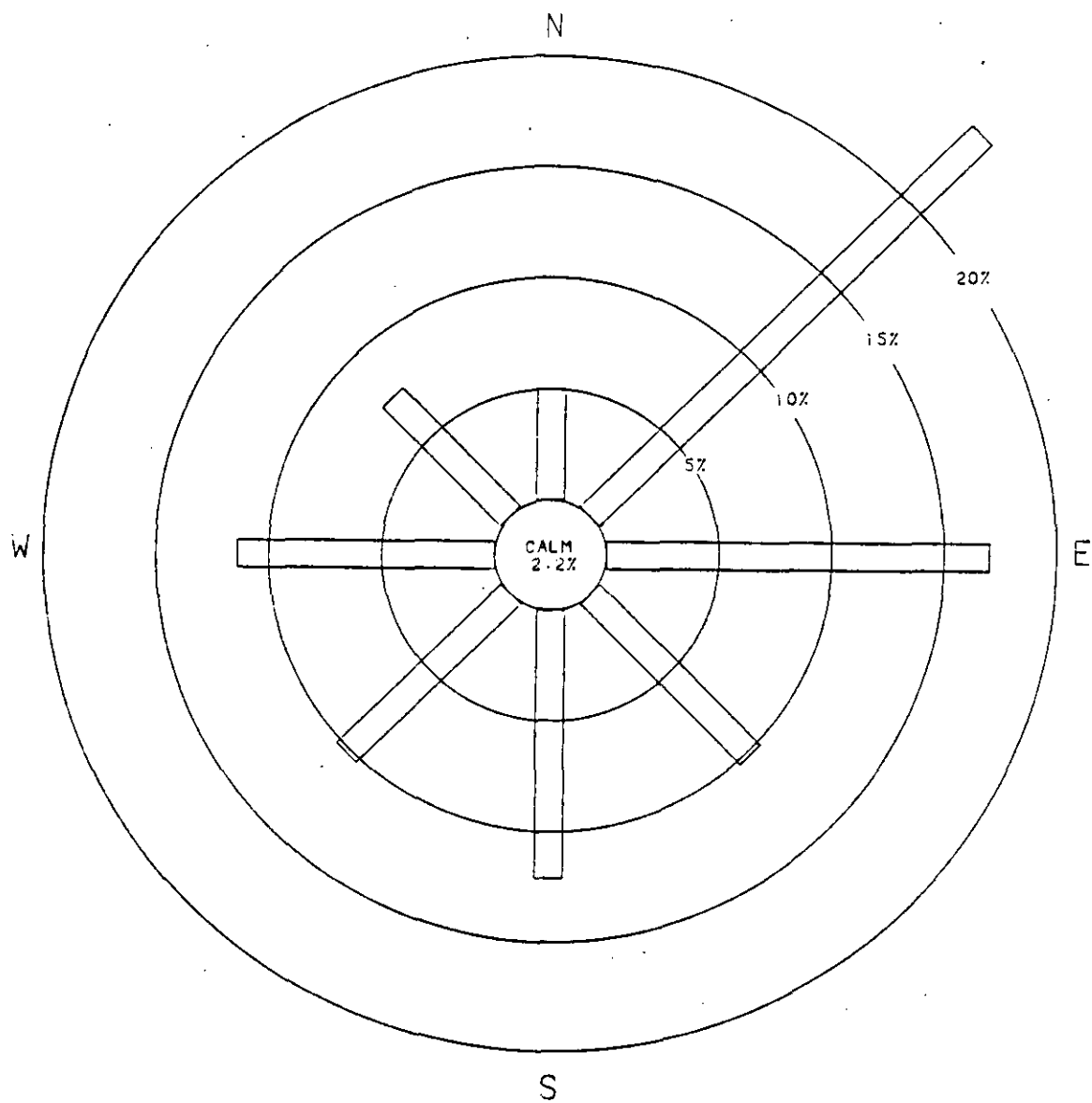

Phillip A. Steadham,
Environmental Chemist

Mr. C. H. Fancy
Page Three

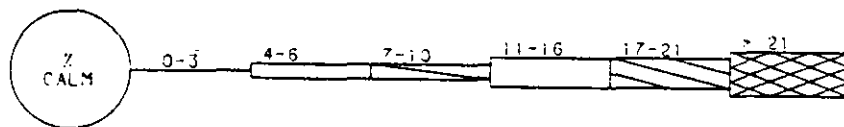
Attachment

cc: H. Long
V. Snow
L. Lahman

PAS/1gm



WIND SPEED CLASSES (KTS)



LAKELAND, FLORIDA
FREQUENCY OF WIND DIRECTION
YEAR = 1974



Chemical Company

SOUTH PIERCE CHEMICAL WORKS

P. O. Box 1969

State Road 630

Bartow, Florida 33830



Mr. C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality Management
Fla. D.E.R.
Twin Towers Office Bldg.
2600 Blair Stone Road
Tallahassee, FL 32301-8241

CERTIFIED

P 451 148 267

MAIL



STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM
GOVERNOR
VICTORIA J. TSCHINKEL
SECRETARY

July 22, 1986

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Maurice Johnson
Agrico Chemical Company
Post Office Box 1969
Bartow, Florida 33830

Dear Mr. Johnson:

Re: Permit No. AC 53-111196, Sulfur Pellet Handling and
Melting Facility, Specific Condition No. 10

The department has received and reviewed your submittal dated June 27, 1986, on the requirements of the above referenced subject, and has decided that additional information will be required to evaluate your ambient air and deposition monitoring plan.

Please submit information regarding:

- a) Monitoring plan objective
- b) Monitoring site selection criteria
- c) Monitoring equipment description
- d) Method of monitoring evaluation and its frequency
- e) Quality assurance measures
- f) Frequency of monitoring report submission
- g) Monitoring network commencement date

If you have any questions, please contact Pradeep Raval at (904)488-1344 or write to me at the above address.

Sincerely,

C. H. Fancy

for C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management

CHF/PR/s

cc: H. Long
V. Snow
B. Thomas

P 408 532 024
RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	Mr. Maurice Johnson
Street and No.	
P.O., State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

7/23/86

PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☐ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
 Mr. Maurice Johnson
 Agrico Chemical Company
 Post Office Box 1969
 Bartow, FL 33830

4. Type of Service:
- | | |
|---|----------------------------------|
| <input type="checkbox"/> Registered | <input type="checkbox"/> Insured |
| <input checked="" type="checkbox"/> Certified | <input type="checkbox"/> COD |
| <input type="checkbox"/> Express Mail | |

Article Number
 P 408 532 024

Always obtain signature of addressee or agent and
DATE DELIVERED.

5. Signature — Addressee

X

6. Signature — Agent

X

7. Date of Delivery

JUL 25 1986

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

June 27, 1986

Mr. C. H. Fancy, P.E.
Central Air Permitting
Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32301-8241


RE: Permit Number AC53-111196, Sulfur Pellet Handling And
Melting Facility, Specific Condition Number 10

Dear Mr. Fancy,

We are enclosing a plot plan of Agrico Chemical
Company's South Pierce Chemical Works, showing the proposed
location of modified nipher gauges and hi volume sampler
to satisfy specific condition number 10 on Permit AC53-
111196.

Please contact us if you have any questions about this
plan.

Sincerely,


Maurice Johnson,
Environmental Chemist

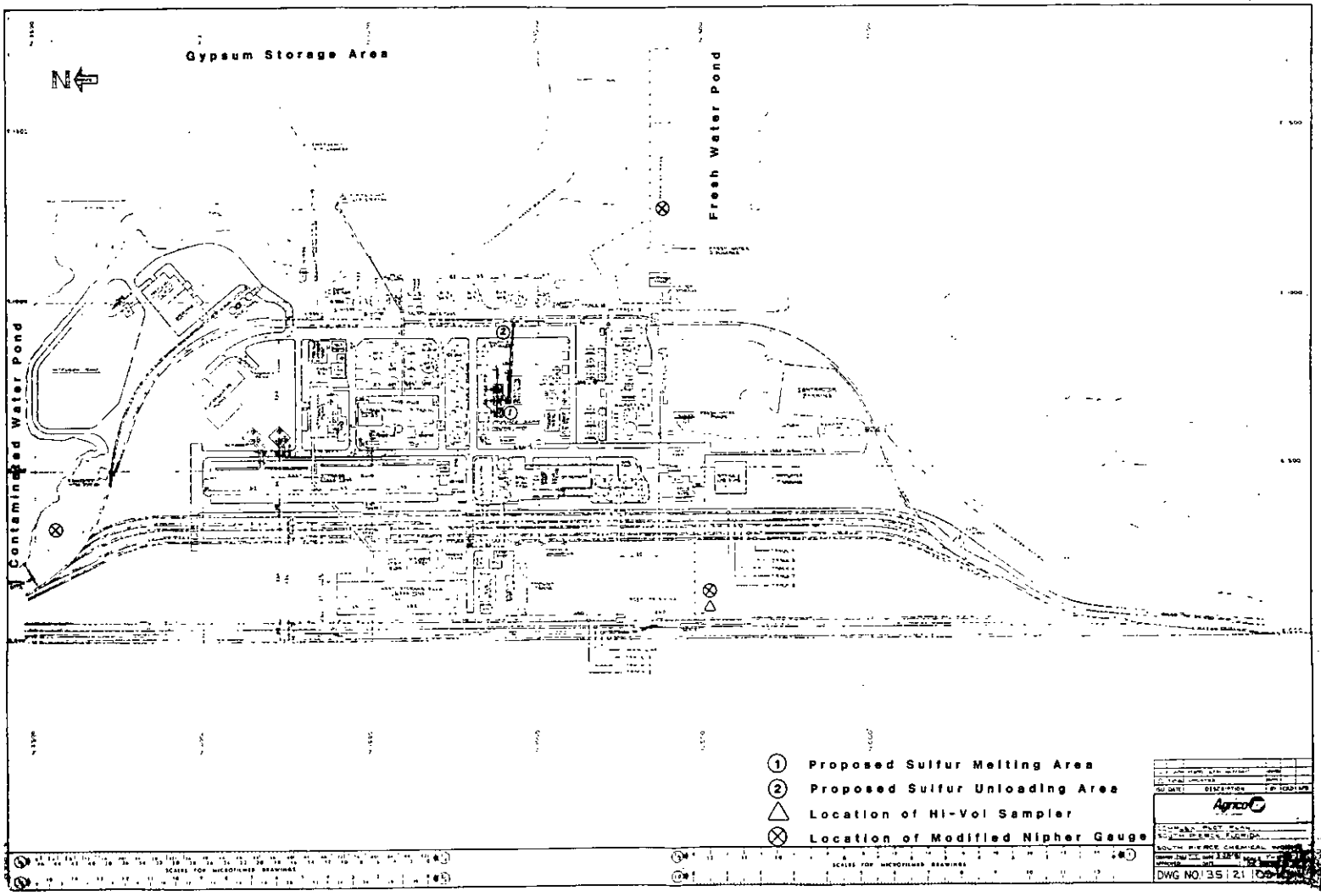
DER

JUN 30 1986

BAQM

cc: H. Long
V. Snow

MJ/lgm



Gypsum Storage Area

Fresh Water Pond

Contaminated Water Pond

- ① Proposed Sulfur Melting Area
- ② Proposed Sulfur Unloading Area
- △ Location of Hi-Vol Sampler
- ⊗ Location of Modified Nipher Gauge

PROJECT NO.	135121
DATE	10/1/78
BY	W. J. H. H.
CHECKED BY	W. J. H. H.
APPROVED BY	W. J. H. H.
SCALE	AS SHOWN
DWG NO. 135121	