



Certified Mail
Return Receipt Requested

July 12, 1996

Mr. W. C. Thomas, P. E.
Air Program Administrator
Florida Department of
Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619-8318

RE: Continuous Emission Monitor
Quarterly Reports for
New Wales Plant and Nichols Plant

Dear Mr. Thomas:

The second quarter 1996, above-referenced reports are enclosed for the following:

NEW WALES PLANT			
PLANT NAME	PERMIT NO.	AIRS ID NO.	UNIT ID NO.
Sulfuric Acid Plant No. 1	AO53-204057	1050059	002
Sulfuric Acid Plant No. 2	AO53-204058	1050059	003
Sulfuric Acid Plant No. 3	AO53-204059	1050059	004
Sulfuric Acid Plant No. 4	AO53-204060	1050059	042
Sulfuric Acid Plant No. 5	AO53-204061	1050059	044
NICHOLS PLANT			
Sulfuric Acid Plant No. 1	AO53-255206	1050057	005

If you should have any questions, please contact me.

Sincerely,

RECEIVED

J. M. Baretincic
Director
Environmental Services

JUL 15 1996

BUREAU OF
AIR REGULATION

Enclosures

xc: E. M. Newberg
Bureau of Air Regulations - FDEP Tallahassee

cwk
qtrly

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSION AND MONITORING
SYSTEM PERFORMANCE**

Pollutant - SO2

Reporting period dates: From : 4/01/96 TO 6/30/96

IMC - AGRICO Company
New Wales Plant
3095 C.R. 640 West
P.O. Box 2000
Mulberry, FL 33860

Emission Limitation: 4 lbs/ton

Monitor Manufacturer and Model No.
Dupont No. 460

Process Unit(s) Description:

Date of Latest CMS Certification or Audit
5/1/92

01 SULFURIC ACID PLANT
AIRS# 1050059 UNIT ID# 002
PRMT# AO53-204057

Total source operating time in reporting
period: 1883.62 Hrs.

Emission Data Summary


CMS Performance Summary

1. Duration of excess emissions in reporting period due to:
 - a. Startup/shutdown _____
 - b. Control equipment problems _____
 - c. Process problems _____
 - d. Other known causes _____
 - e. Unknown causes _____
2. Total duration of excess emission (E) _____
3. (E)x100/Total source operating time _____

1. CMS downtime in reporting period due to:
 - a. Monitor equipment malfunctions
 - b. Non-Monitor equipment malfunctions
 - c. Quality assurance calibration 6.54 Hrs.
 - d. Other known causes
 - e. Unknown causes
2. Total CMS Downtime (T) 6.54 Hrs.
3. (T)x100/Total source operating time 0.35%

On a separate page, describe any changes since last quarter in CMS, process or controls. I certify that the information contained in this report is true, accurate, and complete.

J.M. Baretincic - Director, Environmental Services



Date: 7/12/96

If the total duration of excess emissions is 1% or greater of the total operating time or the total CMS downtime is 5% or greater of the total operating time, both the summary report form and the excess emission report described in 40 CFR Part 60.7(c) shall be submitted.

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSION AND MONITORING
SYSTEM PERFORMANCE**

Pollutant - SO2

Reporting period dates: From : 4/01/96 TO 6/30/96

IMC - AGRICO Company
New Wales Plant
3095 C.R. 640 West
P.O. Box 2000
Mulberry, FL 33860

Emission Limitation: 4 lbs/ton

Monitor Manufacturer and Model No.
Dupont No. 460

Process Unit(s) Description:

Date of Latest CMS Certification or Audit
5/1/92

02 SULFURIC ACID PLANT
AIRS# 1050059 UNIT ID# 003
PRMT# A053-204058

Total source operating time in reporting
period: 1727.64 Hrs.

Emission Data Summary


CMS Performance Summary

1. Duration of excess emissions in reporting period due to:
 - a. Startup/shutdown _____
 - b. Control equipment problems _____
 - c. Process problems _____
 - d. Other known causes _____
 - e. Unknown causes _____
2. Total duration of excess emission (E) _____
3. (E)x100/Total source operating time _____

1. CMS downtime in reporting period due to:
 - a. Monitor equipment malfunctions
 - b. Non-Monitor equipment malfunctions
 - c. Quality assurance calibration 5.99 Hrs.
 - d. Other known causes
 - e. Unknown causes
2. Total CMS Downtime (T) 5.99 Hrs.
3. (T)x100/Total source operating time 0.35%

On a separate page, describe any changes since last quarter in CMS, process or controls. I certify that the information contained in this report is true, accurate, and complete.

J.M. Baretincic - Director, Environmental Services



Date: 7/12/96

If the total duration of excess emissions is 1% or greater of the total operating time or the total CMS downtime is 5% or greater of the total operating time, both the summary report form and the excess emission report described in 40 CFR Part 60.7(c) shall be submitted.

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSION AND MONITORING
SYSTEM PERFORMANCE**

Pollutant - SO2

Reporting period dates: From : 4/01/96 TO 6/30/96

IMC - AGRICO Company
New Wales Plant
C.R. 640 West
P.O. Box 2000
Mulberry, FL 33860

Emission Limitation: 4 lbs/ton

Monitor Manufacturer and Model No.
Dupont No. 460

Process Unit(s) Description:

Date of Latest CMS Certification or Audit
5/1/92

03 SULFURIC ACID PLANT
AIRS# 1050059 UNIT ID# 004
PRMT# AO53-204059

Total source operating time in reporting
period: 2047.47 Hrs.

Emission Data Summary

CMS Performance Summary

1. Duration of excess emissions in reporting period due to:

- a. Startup/shutdown _____
- b. Control equipment problems _____
- c. Process problems _____
- d. Other known causes _____
- e. Unknown causes _____

2. Total duration of excess emission (E) _____

3. (E)x100/Total source operating time _____

1. CMS downtime in reporting period due to:

- a. Monitor equipment malfunctions
- b. Non-Monitor equipment malfunctions
- c. Quality assurance calibration 7.1 Hrs.
- d. Other known causes
- e. Unknown causes

2. Total CMS Downtime (T) 7.1 Hrs.

3. (T)x100/Total source operating time 0.35%

On a separate page, describe any changes since last quarter in CMS, process or controls. I certify that the information contained in this report is true, accurate, and complete.

J.M. Baretincic - Director, Environmental Services



Date: 7/12/96

If the total duration of excess emissions is 1% or greater of the total operating time or the total CMS downtime is 5% or greater of the total operating time, both the summary report form and the excess emission report described in 40 CFR Part 60.7(c) shall be submitted.

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSION AND MONITORING
SYSTEM PERFORMANCE**

Pollutant - SO2

Reporting period dates: From : 4/01/96 TO 6/30/96

IMC - AGRICO Company
New Wales Plant
3095 C.R 640 West
P.O. Box 2000
Mulberry, FL 33860

Emission Limitation: 4 lbs/ton

Monitor Manufacturer and Model No.
Dupont No. 460

Process Unit(s) Description:

Date of Latest CMS Certification or Audit
5/1/92

04 SULFURIC ACID PLANT
AIRS# 1050059 UNIT ID# 042
PRMT# AO53-204060

Total source operating time in reporting
period: 1842.84 Hrs.

Emission Data Summary

CMS Performance Summary

1. Duration of excess emissions in reporting period due to:

- a. Startup/shutdown _____
- b. Control equipment problems _____
- c. Process problems _____
- d. Other known causes _____
- e. Unknown causes _____

2. Total duration of excess emission (E) _____

3. (E)x100/Total source operating time _____

1. CMS downtime in reporting period due to:

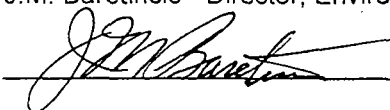
- a. Monitor equipment malfunctions
- b. Non-Monitor equipment malfunctions
- c. Quality assurance calibration 6.39 Hrs.
- d. Other known causes 6.25 Hrs.
- e. Unknown causes

2. Total CMS Downtime (T) 12.64 Hrs.

3. (T)x100/Total source operating time 0.69%

On a separate page, describe any changes since last quarter in CMS, process or controls. I certify that the information contained in this report is true, accurate, and complete.

J.M. Baretincic - Director, Environmental Services



Date: 7/12/96

If the total duration of excess emissions is 1% or greater of the total operating time or the total CMS downtime is 5% or greater of the total operating time, both the summary report form and the excess emission report described in 40 CFR Part 60.7(c) shall be submitted.

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSION AND MONITORING
SYSTEM PERFORMANCE**

Pollutant - SO2

Reporting period dates: From : 4/01/96 TO 6/30/96

IMC - AGRICO Company
New Wales Plant
3095 C.R. 640 West
P.O. Box 2000
Mulberry, FL 33860

Emission Limitation: 4 lbs/ton

Monitor Manufacturer and Model No.
Dupont No. 460

Process Unit(s) Description:

Date of Latest CMS Certification or Audit
5/1/92

05 SULFURIC ACID PLANT
AIRS# 1050059 UNIT ID# 044
PRMT# AO53-204061

Total source operating time in reporting
period: 2108.16 Hrs.

Emission Data Summary

CMS Performance Summary

1. Duration of excess emissions in reporting period due to:

1. CMS downtime in reporting period due to:

a. Startup/shutdown _____

a. Monitor equipment malfunctions

b. Control equipment problems _____

b. Non-Monitor equipment malfunctions

c. Process problems _____

c. Quality assurance calibration

d. Other known causes _____

d. Other known causes 7.32 Hrs.

e. Unknown causes _____

d. Other known causes

2. Total duration of excess emission (E) _____

e. Unknown causes


3. (E)x100/Total source operating time _____

2. Total CMS Downtime (T) 7.32 Hrs.

3. (T)x100/Total source operating time 0.35%

On a separate page, describe any changes since last quarter in CMS, process or controls. I certify that the information contained in this report is true, accurate, and complete.

J.M. Baretincic - Director, Environmental Services



Date: 7/12/96

If the total duration of excess emissions is 1% or greater of the total operating time or the total CMS downtime is 5% or greater of the total operating time, both the summary report form and the excess emission report described in 40 CFR Part 60.7(c) shall be submitted.

**SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSION AND MONITORING
SYSTEM PERFORMANCE**

Pollutant - SO2

Reporting period dates: From : 04/01/96 to 06/30/96

IMC - AGRICO Company
Nichols Plant
5000 C.R. 676
P.O. Box 2000
Mulberry, FI 33860

Emission Limitation: 4 lbs/ton

Monitor Manufacturer and Model No.
Dupont No. 460

Process Unit(s) Description:

Date of Latest CMS Certification or Audit
9/30/91

SULFURIC ACID PLANT
AIRS# 1050057 UNIT ID# 005
PRMT# AO53-255206

Total source operating time in reporting
period: 1151.23 Hrs.

Emission Data Summary


CMS Performance Summary

1. Duration of excess emissions in reporting period due to:
 - a. Startup/shutdown _____
 - b. Control equipment problems _____
 - c. Process problems _____
 - d. Other known causes _____
 - e. Unknown causes _____
2. Total duration of excess emission (E) _____
3. (E)x100/Total source operating time _____

1. CMS downtime in reporting period due to:
 - a. Monitor equipment malfunctions
 - b. Non-Monitor equipment malfunctions
 - c. Quality assurance calibration 0.62 Hrs.
 - d. Other known causes 2.83 Hrs.
 - e. Unknown causes
2. Total CMS Downtime (T) 3.45 Hrs.
3. (T)x100/Total source operating time 0.30%

On a separate page, describe any changes since last quarter in CMS, process or controls. I certify that the information contained in this report is true, accurate, and complete.

J.M. Baretincic - Director, Environmental Services



Date: 7/12/96

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