

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

JUL 15 1996

BUREAU OF AIR REGULATION

Director

Environmental Services

J. M. Baretincic

Enclosures

XC:

E. M. Newberg

Bureau of Air Regulations - FDEP Tallahassee

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Pollutant - <u>SO2</u>					
Reporting period dates:	From:	4/01/96 To	O 6/30/96		
IMC - AGRICO Company New Wales Plant			Emission Limitation:	4 lbs/ton	
3095 C.R. 640 West P.O. Box 2000 Mulberry, FI 33860			Monitor Manufacturer Dupont No. 460	and Model No.	
Process Unit(s) Description:			Date of Latest CMS C 5/1/92	ertification or A	udit
<u>01 SULFURIC ACID PLANT</u> AIRS# 1050059 UNIT ID# 002 PRMT# AO53-204057			Total source operating period: 1883.62	· ·	ng
Emission Data Summary			CMS Performance Sui	mmary	
Duration of excess emissions in reporting period due to:			CMS downtime in reduce to: a. Monitor equipment	eporting period	
a. Startup/shutdown			malfunctions		
b. Control equipment problems			b. Non-Monitor equipment malfunctions	nent	
c. Process problems			c. Quality assurance		
d. Other known causes			calibration		6.54 Hrs
e. Unknown causes			d. Other known causes	5	
Total duration of excess emission (E)			e. Unknown causes		
3. (E)x100/Total source operating time			Total CMS Downtim (T)x100/Total source time		6.54 Hrs.
On a separate page, describe any that the information contained in the	-	-		r controls. I cer	tify
J.M. Baretincic - Director, Environn	nentai Servi	ces			
Mart			Date: <u>2/</u>	12/94	

Pollutant - SO2					
Reporting period dates:	From:	4/01/96 TC	6/30/96		
IMC - AGRICO Company New Wales Plant			Emission Limitatio	n: 4 lbs/ton	
3095 C.R. 640 West P.O. Box 2000			Monitor Manufactu Dupont No. 460	urer and Model No	D .
Mulberry, Fl 33860			Date of Latest CM	S Certification or	Audit
Process Unit(s) Description:			<u>5/1/92</u>		
02 SULFURIC ACID PLANT AIRS# 1050059 UNIT ID# 003 PRMT# A053-204058			Total source opera period: 1727	ating time in repor 7.64 <u>Hrs.</u>	ting
Emission Data Summary			CMS Performance	Summary	
Duration of excess emissions in			1. CMS downtime due to:	in reporting period	d
reporting period due to:			aue to. a. Monitor equipme	ent	
a. Startup/shutdown		-	malfunctions		
b. Control equipment problems		•	b. Non-Monitor equ	uipment	
c. Process problems			o Quality accurance	20	
d. Other known causes _			c. Quality assurance calibration	Je	<u>5.99</u> Hrs
e. Unknown causes		·	d. Other known ca	uses	
Total duration of excess emission (E)		6	e. Unknown cause:	S	
2 (E)v100/Tatal acures asserting		2	2. Total CMS Dowr	ntime (T)	<u>5.99</u> Hrs
3. (E)x100/Total source operating time	·	;	3. (T)x100/Total so time	urce operating	0.35%
On a separate page, describe any c	•	•	• •	ss or controls. I ce	ertify
hat the information contained in this	s report is t	irue, accurat	ie, and complete.		
J.M. Baretincic - Director, Environm	ental Servi	ces			
Maret			Date:	7/12/94	
		-			

Pollutant - SO2					
Reporting period dates:	From :	4/01/96 TO	O 6/30/96		
IMC - AGRICO Company New Wales Plant			Emission Limitatio	n: 4 lbs/ton	
C.R. 640 West P.O. Box 2000		·	Monitor Manufactu Dupont No. 460	irer and Model No).
Mulberry, Fl 33860 Process Unit(s) Description:			Date of Latest CM 5/1/92	S Certification or a	Audit
03 SULFURIC ACID PLANT AIRS# 1050059 UNIT ID# 004 PRMT# AO53-204059			Total source opera period: 2047	ating time in repor 7.47 <u>Hrs.</u>	ting
Emission Data Summary			CMS Performance	Summary	
Duration of excess emissions in reporting period due to:			CMS downtime due to: a. Monitor equipme		3
a. Startup/shutdown		-	malfunctions		
b. Control equipment problems	 	-	b. Non-Monitor equipmalfunctions	uipment	
c. Process problems		-	c. Quality assurance	e.	
d. Other known causes			calibration		7.1 Hrs
e. Unknown causes			d. Other known cau	uses	
2. Total duration of excess emission (E)			e. Unknown causes		7.4
3. (E)x100/Total source operating time			Total CMS Dowr (T)x100/Total so time		7.1 Hrs
On a separate page, describe any hat the information contained in thi	_	•		ss or controls. I ce	ertify
I.M. Baretincic - Director, Environm	nental Servi	ices			
Manton		-	Date:	7/12/96	

Pollutant - SO2					
Reporting period dates:	From :	4/01/96 TO	O 6/30/96		
IMC - AGRICO Company New Wales Plant 3095 C.R 640 West P.O. Box 2000			Emission Limitation: Monitor Manufacturer <u>Dupont No. 460</u>	4 lbs/ton and Model No.	·
Mulberry, FI 33860 Process Unit(s) Description:			Date of Latest CMS C 5/1/92	ertification or Au	udit
04 SULFURIC ACID PLANT AIRS# 1050059 UNIT ID# 042 PRMT# AO53-204060			Total source operating period: 1842.84		g
Emission Data Summary			CMS Performance Su	mmary	
Duration of excess emissions in reporting period due to:			CMS downtime in reduce to: Monitor equipment	eporting period	
a. Startup/shutdown		-	malfunctions		
b. Control equipment problems		-	b. Non-Monitor equipment malfunctions	nent	
c. Process problems d. Other known causes			c. Quality assurance calibration		6.39 Hrs.
e. Unknown causes		-	d. Other known causes	s	6.25 Hrs
2. Total duration of excess emission (E)		-	e. Unknown causes	· (T)	40.04.11
3. (E)x100/Total source operating time			Total CMS Downtim (T)x100/Total source time	e operating	12.64 <u>Hrs.</u> 0.69%
On a separate page, describe any of the hat the information contained in this				or controls. I cert	ify
J.M. Baretincic - Director, Environm	nentai Serv	ices		1/	
/ Maretin		-	Date: <u>7/</u>	12/94	

Pollutant - SO2						
Reporting period dates:	From:	4/01/96 TO	0 6/30/96			
IMC - AGRICO Company New Wales Plant			Emission Limita	ation:	4 lbs/ton	
3095 C.R. 640 West P.O. Box 2000			Monitor Manufa Dupont No. 460		and Model N	0.
Mulberry, Fl 33860 Process Unit(s) Description:			Date of Latest	CMS C	ertification or	Audit
<u>05 SULFURIC ACID PLANT</u> AIRS# 1050059 UNIT ID# 044 PRMT# AO53-204061			Total source opperiod: 2	perating 108.16	*	rting
Emission Data Summary			CMS Performa	nce Sur	mmary	
Duration of excess emissions in reporting period due to:			CMS downting due to: a. Monitor equipments		porting peric	od
a. Startup/shutdown			malfunctions	.,,,		
b. Control equipment problems			b. Non-Monitor malfunctions	equipm	ent	
c. Process problems			c. Quality assur	ance		
d. Other known causes			calibration			7.32 <u>Hrs</u>
e. Unknown causes	·		d. Other known	causes	3	
Total duration of excess emission (E)			e. Unknown cat	ıses		
3. (E)x100/Total source operating			2. Total CMS D	owntime	e (T)	7.32 Hrs
time _			3. (T)x100/Total time		eoperating	<u>0.35%</u>
On a separate page, describe any of that the information contained in this	-				r controls. I c	ertify
J.M. Baretincic - Director, Environm	nental Servi	ces				
Maretin			Date	: 7/1	2/94	·····

Pollutant - SO2							
Reporting period dates:	From:	04/01/96 to	06/30/96				
IMC - AGRICO Company Nichols Plant			Emission Limitation: 4 lbs/ton				
5000 C.R. 676 P.O. Box 2000			Monitor Manufacturer and Model N Dupont No. 460	0.			
Process Unit(s) Description:	Mulberry, FI 33860 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 repo period: 1151.23 Hrs.	rting			
Emission Data Summary			CMS Performance Summary				
Duration of excess emissions is reporting period due to:	n		CMS downtime in reporting periodue to: a. Monitor equipment	od			
a. Startup/shutdown		_	malfunctions				
b. Control equipment problems		_	b. Non-Monitor equipment malfunctions				
c. Process problems		-	c. Quality assurance				
d. Other known causes		_	calibration	0.62 Hrs			
e. Unknown causes		_	d. Other known causes	2.83 Hrs			
2. Total duration of excess			e. Unknown causes				
emission (E)		-	2. Total CMS Downtime (T)	3.45 Hrs			
 (E)x100/Total source operating time 		- '	3. (T)x100/Total source operating time	0.30%			
On a separate page, describe any that the information contained in t			arter in CMS, process or controls. I rate, and complete.	certify			
J.M. Baretincic - Director, Environ	imental Se	rvices	·				
Allesartion			Date: 7/12/94				