

P.O. Drawer L
Plant City, Florida 33564-9007
Telephone: 813/782-1591
Fax: 813/715-0851



CF Industries, Inc.

Phosphate Operations

January 27, 2005

Ms. Trina Vielhauer
Chief, Bureau of Air Regulations
Department of Air Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

RECEIVED

FEB 02 2005

BUREAU OF AIR REGULATION

Subject: CF Industries, Inc.
Plant City Phosphate Complex
"C" Sulfuric Acid Plant
Fourth Quarter SO₂ CEM Data/Production Data

Dear Ms. Vielhauer:

As required by Specific Condition 22 of Permit No. PSD-FL-339, enclosed are SO₂ data from the continuous emissions monitor and production data for the "C" Sulfuric Acid Plant collected during the fourth quarter of 2004. The "D" Sulfuric Acid Plant has not yet been modified and is therefore not included in this report.

The modification of the "D" Sulfuric Acid Plant is currently scheduled for February 2005.

If You have any questions concerning this submittal please contact Michael Messina at (813) 364-5539.

Sincerely,

A handwritten signature in black ink.

Thomas A. Edwards
Superintendent, Environmental
Affairs

U:\2004FourthQCEMProduction.doc
TAE/JMM/gem

CC: Joel Smolen/FDEP
Diana Lee/HCEPC
J. M. Messina

CF Industries, Inc. Plant City Phosphate Complex

C-SAP Quarterly Report, Hourly Stack CEM Data - Lb SO₂/Ton H₂SO₄

October 1, 2004 6:00 AM Through January 1, 2005 6:00 AM

3-Hr Rolling Average Period (Previous 2hrs & Indicated Hr)

	Daily Prod. Tons H ₂ SO ₄	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM
11/15/2004	2,604	3.4	3.4	3.4	3.2	3.0	2.9	3.0	3.1	3.2	3.2	3.3	3.3	3.3	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
11/16/2004	2,609	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
11/17/2004	2,598	3.3	3.3	3.3	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
11/18/2004	2,606	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.3	3.3	3.3
11/19/2004	2,578	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3
11/20/2004	2,595	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.3	3.3	3.3	3.4	3.3	3.3	3.3
11/21/2004	2,585	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
11/22/2004	2,578	3.3	3.4	3.4	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
11/23/2004	2,565	3.3	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3
11/24/2004	2,550	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1
11/25/2004	2,625	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
11/26/2004	2,635	3.3	3.2	3.2	3.2	3.3	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2
11/27/2004	2,590	3.2	3.2	3.2	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.1	3.1	3.1	3.1	3.1
11/28/2004	2,617	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2
11/29/2004	2,616	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.4
11/30/2004	1,820	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
12/1/2004	2,604	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3
12/2/2004	2,627	3.3	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
12/3/2004	2,644	3.3	3.3	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
12/4/2004	2,647	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
12/5/2004	2,618	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3
12/6/2004	2,595	3.3	3.3	3.3	NA	NA	NA	NA	NA	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4
12/7/2004	2,272	3.4	3.4	3.3	3.3	3.3	3.2	3.0	1.9	0.8	0.8	1.4	2.4	2.6	3.1	3.1	3.2	3.3	3.4	3.4	3.3	3.2	3.2	3.2	3.3
12/8/2004	2,601	3.3	3.3	3.3	3.3	3.2	3.1	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3
12/9/2004	2,581	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3
12/10/2004	2,592	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
12/11/2004	2,617	3.3	3.3	3.3	3.3	3.4	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1
12/12/2004	2,643	3.0	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3
12/13/2004	2,624	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.4
12/14/2004	2,636	3.4	3.4	3.3	3.2	3.2	3.1	3.2	3.2	3.1	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.7	2.6	2.6
12/15/2004	2,644	2.6	2.6	2.7	2.7	2.8	2.9	2.9	3.0	3.1	3.1	3.0	3.0	2.9	2.9										

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10/1/2004	2,257	2.6	2.6	2.6	2.5	2.5	2.5	2.4	2.0	1.2	1.0	1.4	2.0	2.3	2.3	2.5	2.3	2.0	1.9	2.1	2.4	2.5	2.4	2.4	2.4
10/2/2004	2,598	2.4	2.4	2.5	2.5	2.5	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.6	2.6
10/3/2004	2,591	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
10/4/2004	2,593	2.5	2.5	2.6	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
10/5/2004	2,594	2.9	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.2	3.1	3.1	3.1	3.0	3.0	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
10/6/2004	2,581	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
10/7/2004	2,593	2.8	2.9	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3
10/8/2004	2,565	3.3	3.3	3.3	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3
10/9/2004	2,544	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2
10/10/2004	2,533	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
10/11/2004	2,543	3.1	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
10/12/2004	2,533	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.0	3.0	3.0	3.1	3.1	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.3
10/13/2004	2,551	3.3	3.3	3.3	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2
10/14/2004	2,558	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2
10/15/2004	2,578	3.3	3.3	3.3	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9
10/16/2004	2,614	2.9	2.9	2.9	3.0	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
10/17/2004	2,592	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.3	3.3	3.3	3.3	3.2	3.2	3.2
10/18/2004	2,573	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.3	3.3	3.3	3.2	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1
10/19/2004	2,563	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1
10/20/2004	1,263	3.1	2.2	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.5	2.6	2.6	3.1	3.0	3.0	3.0	3.0	3.0	3.0
10/21/2004	2,599	3.0	3.0	3.0	2.9	2.8	2.7	2.7	2.7	2.7	2.9	3.0	3.2	3.2	3.3	3.3	3.4	3.4	3.4	3.3	3.3	3.3	3.4	3.4	3.4
10/22/2004	2,611	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3
10/23/2004	2,603	3.3	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
10/24/2004	2,582	3.5	3.5	3.5	3.4	3.2	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
10/25/2004	2,580	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
10/26/2004	2,586	3.2	3.2	3.2	3.2	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
10/27/2004	2,592	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.1	3.2	3.2	3.2	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	NA
10/28/2004	2,593	NA	NA	3.4	3.4	3.2	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
10/29/2004	2,580	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
10/30/2004	2,572	3.3	3.4	3.4	3.4	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3
10/31/2004	1,619	3.3	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2									

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12/30/2004	2,625	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
12/31/2004	1,818	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3
1/1/2005	2,612	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3

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C-SAP Quarterly Report, Hourly CEM Data - 3 Hr Rolling Avg

