

RECEIVED

JAN 11 2010

BUREAU OF AIR REGULATION

January 6, 2010

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

SUBJECT: CF Industries, Inc. (CFI)
Plant City Phosphate Complex
Permit No. 057005-032AV
"C" & "D" Sulfuric Acid Plants

Second Semi-annual 2009 SO₂ CEM/Production Data Report

Dear Ms. Vielhauer:

In accordance with Specific Condition "Subsection B.20." contained in the facility Title V Permit No. 0570005-032-AV, enclosed is the Second Semi-annual 2009 SO₂ and Production Data Report for the "C" & "D" Sulfuric Acid Plants.

If you have any questions concerning this submittal, please contact Frank Dlugos at (813)364-5639.

Sincerely,



Ronald L. Brunk
Superintendent, Environmental
Affairs

RLB/FJD/gem

CC: Danielle Henry/FDEP
Syed Arif/FDEP
Jason Waters/HCEPC
F.J. Dlugos/Envir. Files

CF Industries, Inc. Plant City Phosphate Complex
C-SAP Quarterly Report, Hourly Stack CEM Data - Lb SO₂/Ton H₂SO₄
July 1, 2009 6:00 AM Through October 1, 2009 6:00 AM
3-Hr Rolling Average Period (Previous 2hrs & Indicated Hr)

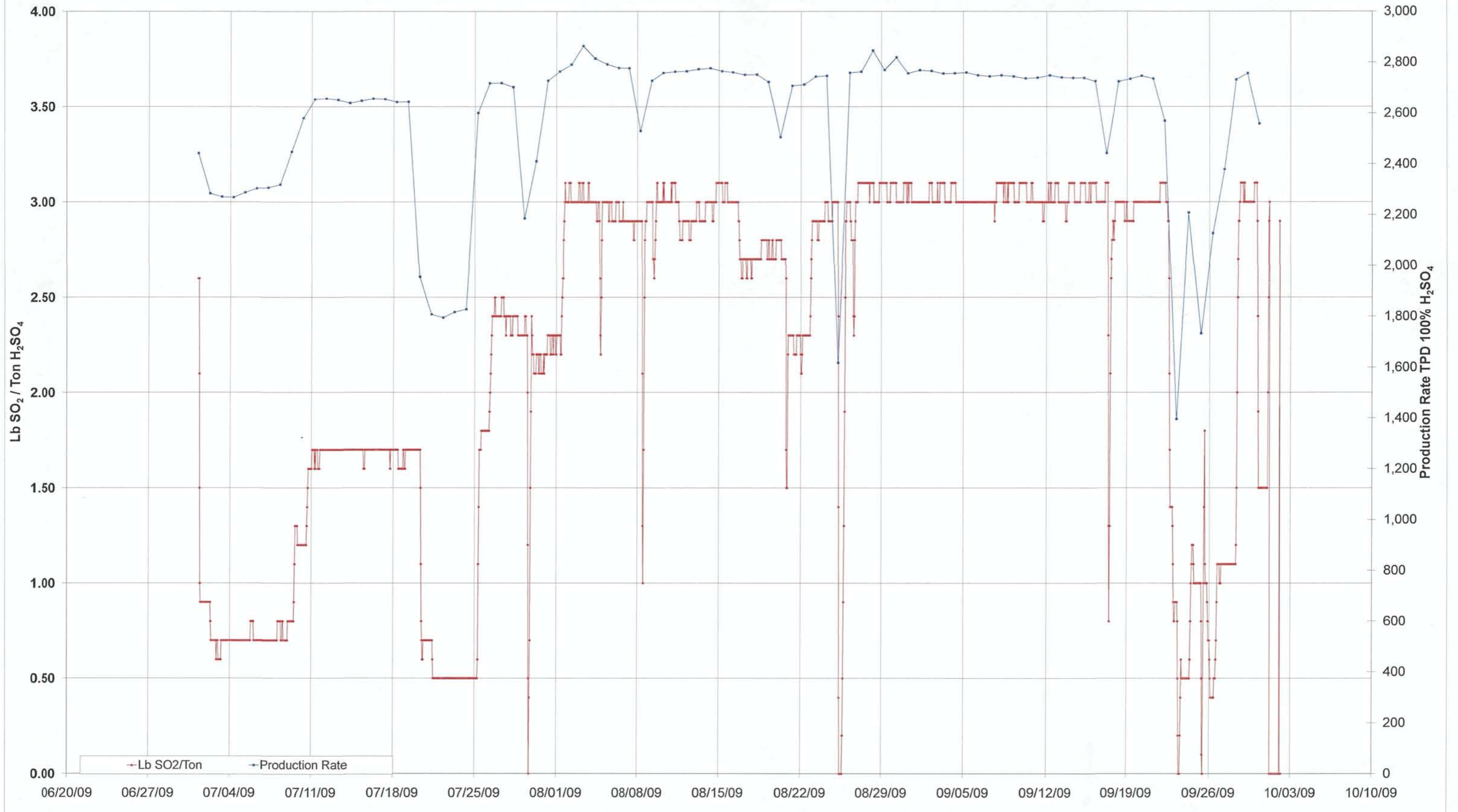
	Daily Prod. Tons H ₂ SO ₄	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM
7/1/2009	2,443	2.6	2.6	2.6	2.1	1.5	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
7/2/2009	2,284	0.9	0.9	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6
7/3/2009	2,271	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
7/4/2009	2,269	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
7/5/2009	2,288	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7
7/6/2009	2,304	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
7/7/2009	2,307	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8
7/8/2009	2,319	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8
7/9/2009	2,449	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	1.1	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7/10/2009	2,581	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.4	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7
7/11/2009	2,655	1.7	1.6	1.7	1.6	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
7/12/2009	2,658	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
7/13/2009	2,653	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
7/14/2009	2,640	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
7/15/2009	2,649	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
7/16/2009	2,657	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
7/17/2009	2,655	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
7/18/2009	2,644	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.6	1.6	1.6	1.7	1.7	1.7	1.7
7/19/2009	2,645	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
7/20/2009	1,956	1.7	1.7	1.7	1.5	1.1	0.8	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
7/21/2009	1,808	0.7	0.7	0.7	0.7	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
7/22/2009	1,795	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
7/23/2009	1,817	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
7/24/2009	1,828	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
7/25/2009	2,601	0.5	0.6	1.1	1.4	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
7/26/2009	2,718	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
7/27/2009	2,719	2.4	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3
7/28/2009	2,703	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	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
7/29/2009	2,186	2.3	2.4	2.4	2.4	2.3	2.3	2.3	2.0	1.2	0.5	0.0	0.4	0.7	1.5	1.9	2.4	2.3	2.2	2.2	2.2	2.1	2.1	2.1	2.1
7/30/2009	2,411	2.1	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.2
7/31/2009	2,728	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.3	2.3	2.3	2.2	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.3	2.3	2.3	2.3
8/1/2009	2,764	2.3	2.3	2.3	2.2	2.2	2.4	2.5	2.6	2.6	2.8	2.9	3.0	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1
8/2/2009	2,791	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	3.0	3.0	3.0	3.0
8/3/2009	2,864	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	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
8/4/2009	2,815	3.0	3.0	3.0	3.0	2.9	2.9	2.9	3.0	3.0	3.0	2.9	2.6	2.3	2.2	2.5	2.8	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
8/5/2009	2,792	3.0	3.0	3.0	3.0	2.9	2.9	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0
8/6/2009	2,778	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
8/7/2009	2,777	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
8/8/2009	2,530	2.9	2.9	2.9	2.9	2.9	2.1	1.3	1.0	1.7	2.5	2.8	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
8/9/2009	2,728	3.0	3.0	3.0	2.7	2.7	2.6	2.7	2.7	2.8	2.9	3.0	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
8/10/2009	2,758	3.1	3.0	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	3.1	3.0	3.1	3.1	3.1	3.1	3.1
8/11/2009	2,763	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9
8/12/2009	2,765	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0
8/13/2009	2,773	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
8/14/2009	2,777	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	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
8/15/2009	2,765	3.1	3.1	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	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
8/16/2009	2,761	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.8	2.7	2.7	2.7	2.6	2.6	2.6	2.7	2.7	2.7
8/17/2009	2,751	2.7	2.7	2.7	2.7	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
8/18/2009	2,752	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7
8/19/2009	2,723	2.7	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
8/20/2009	2,506	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	1.7	1.5	1.5	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3
8/21/2009	2,708	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.1	2.1	2.2	2.3	2.3
8/22/2009	2,713	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	2.4	2.6	2.7	2.8	2.9	2.9	2.9	2.9	2.9	2.9

CF Industries, Inc. Plant City Phosphate Complex
C-SAP Quarterly Report, Hourly Stack CEM Data - Lb SO₂/Ton H₂SO₄
July 1, 2009 6:00 AM Through October 1, 2009 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
8/23/2009	2,744	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0
8/24/2009	2,747	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
8/25/2009	1,617	3.0	2.4	1.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.9	1.3	1.9	2.5	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0
8/26/2009	2,759	3.0	3.0	2.9	2.9	2.8	2.8	2.8	2.8	2.4	2.3	2.4	2.8	2.9	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1
8/27/2009	2,763	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	3.1	3.1	3.1	3.1	3.0	3.1	3.1	3.1	3.1	3.1
8/28/2009	2,846	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	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
8/29/2009	2,770	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
8/30/2009	2,819	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	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0
8/31/2009	2,757	3.1	3.1	3.0	3.1	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
9/1/2009	2,769	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	3.0	3.0	3.0	3.1	3.1	3.1	3.1
9/2/2009	2,766	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	3.1	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1
9/3/2009	2,756	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	3.1	3.1	3.1	3.1	3.1	3.1	3.1
9/4/2009	2,757	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	3.0	3.0	3.0	3.0
9/5/2009	2,760	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	3.0	3.0	3.0	3.0	3.0	3.0	3.0
9/6/2009	2,749	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	3.0	3.0	3.0	3.0	3.0	3.0	3.0
9/7/2009	2,745	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
9/8/2009	2,749	3.1	3.1	3.1	3.1	3.1	3.0	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.1	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
9/9/2009	2,745	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	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
9/10/2009	2,737	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
9/11/2009	2,740	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.0
9/12/2009	2,749	3.0	3.0	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	3.0	3.0	3.0	3.0	3.0	3.0
9/13/2009	2,741	3.0	3.0	3.0	3.0	3.0	3.0	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
9/14/2009	2,739	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	3.1	3.1	3.1	3.1	3.1	3.1	3.1
9/15/2009	2,739	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
9/16/2009	2,726	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	3.0	3.0	3.1	3.1
9/17/2009	2,443	3.1	3.1	3.1	3.1	2.3	1.3	0.8	1.3	2.1	2.6	2.7	2.8	2.8	2.9	2.9	2.8	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0
9/18/2009	2,725	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	2.9	2.9	2.9	2.9	3.0	3.0	2.9	2.9	2.9	2.9	2.9
9/19/2009	2,735	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	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
9/20/2009	2,747	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	3.0	3.0	3.0	3.0	3.0	3.0	3.0
9/21/2009	2,736	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	3.1	3.1	3.1	3.1	3.1	3.1
9/22/2009	2,570	3.1	3.1	3.1	3.0	3.0	3.0	3.0	2.9	2.9	2.6	2.1	1.7	1.4	1.4	1.4	1.4	1.4	1.3	1.1	0.9	0.8	0.8	0.9	0.9
9/23/2009	1,396	0.9	0.9	0.9	0.8	0.5	0.2	0.0	0.0	0.0	0.2	0.4	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
9/24/2009	2,209	0.5	0.5	0.5	0.5	0.6	0.8	1.0	1.1	1.2	1.2	1.2	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9/25/2009	1,733	1.0	1.0	0.8	0.5	0.1	0.0	1.0	1.4	1.8	1.1	1.0	1.0	1.0	1.0	0.9	0.8	0.7	0.7	0.7	0.6	0.5	0.4	0.4	0.4
9/26/2009	2,128	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.7	0.9	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
9/27/2009	2,379	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
9/28/2009	2,732	1.1	1.2	1.5	2.0	2.5	2.7	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.1	3.0	3.0	3.0	3.0	3.0
9/29/2009	2,757	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	3.1	3.1	3.1	2.9	2.4	1.9
9/30/2009	2,559	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.5	2.9	3.0

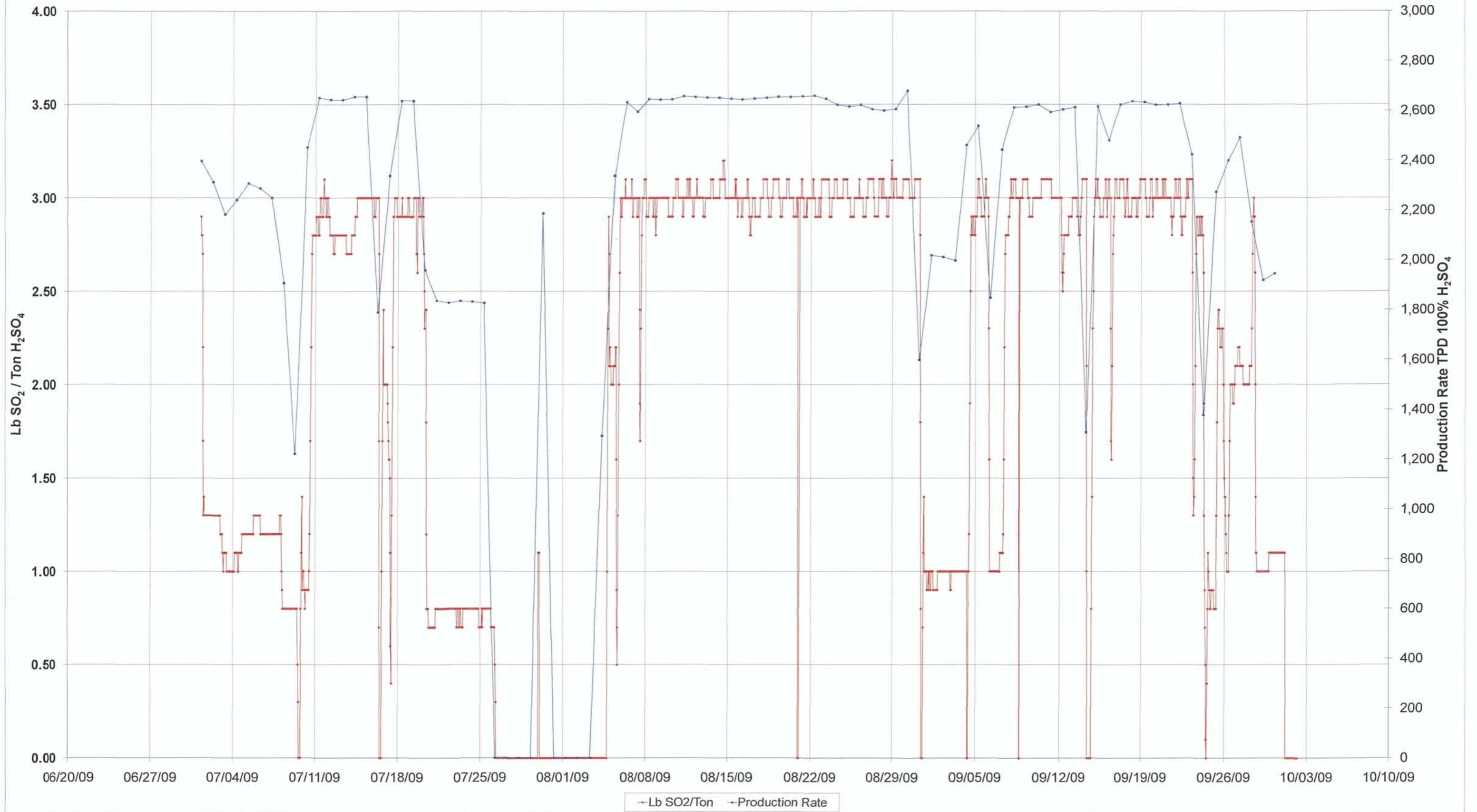
CF Industries Plant City Phosphate Complex C-SAP Quarterly Report, Hourly CEM Data - 3 Hr Rolling Avg



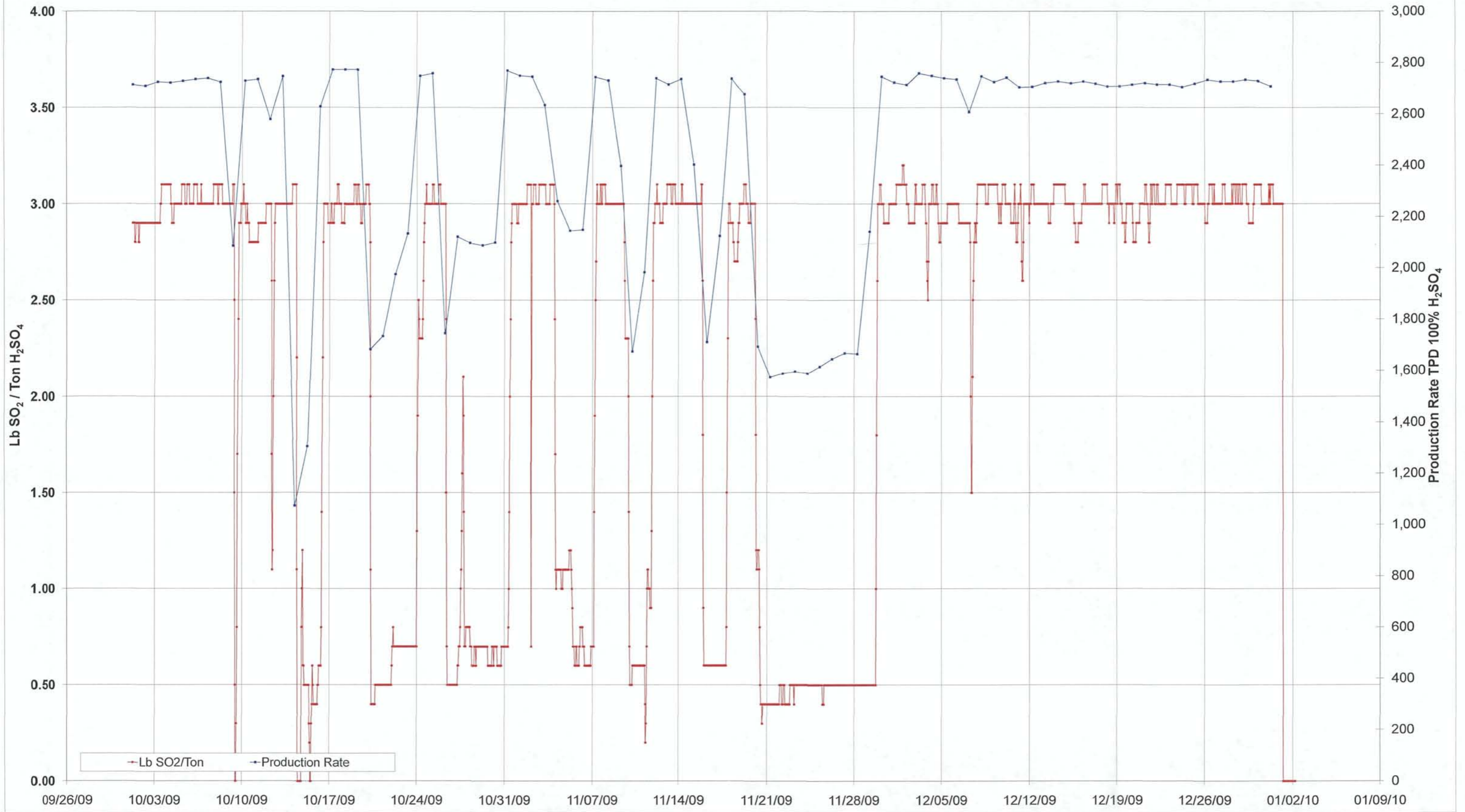
CF Industries, Inc. Plant City Phosphate Complex
D-SAP Quarterly Report, Hourly Stack CEM Data - Lb SO₂/Ton H₂SO₄
July 1, 2009 6:00 AM Through October 1, 2009 6:00 AM
3-Hr Rolling Average Period (Previous 2hrs & Indicated Hr)

	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
7/1/2009	2,398	2.9	2.8	2.8	2.7	2.2	1.7	1.3	1.4	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	1.3	1.3
7/2/2009	2,313	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	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.1	1.1	1.0
7/3/2009	2,184	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1
7/4/2009	2,242	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7/5/2009	2,308	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
7/6/2009	2,288	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7/7/2009	2,250	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.2	1.0	0.9
7/8/2009	1,908	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
7/9/2009	1,222	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.5	0.3	0.0	0.0	0.0	0.0	0.8	1.1	1.4	0.9	1.0	1.0	1.0	0.9	0.9	0.8	0.9
7/10/2009	2,453	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.2	1.7	2.2	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.8
7/11/2009	2,652	2.8	2.8	2.9	3.0	3.0	3.0	2.9	2.9	2.9	2.9	3.0	3.1	3.0	3.0	3.0	2.9	2.9	3.0	3.0	3.0	2.9	2.9	2.9	2.8
7/12/2009	2,644	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
7/13/2009	2,643	2.8	2.8	2.8	2.8	2.8	2.8	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	2.8	2.8	2.8	2.8	2.8
7/14/2009	2,656	2.8	2.8	2.9	2.9	2.9	2.9	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	3.0
7/15/2009	2,656	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	2.9	2.9	2.9	3.0	3.0	3.0	3.0
7/16/2009	1,790	3.0	3.0	3.0	2.7	1.7	0.7	0.0	0.0	0.0	0.0	1.0	1.7	2.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.8	1.7
7/17/2009	2,338	1.6	1.6	1.5	1.1	0.6	0.4	1.3	2.2	2.9	2.9	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
7/18/2009	2,639	2.9	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
7/19/2009	2,639	2.9	3.0	3.0	3.0	3.0	3.0	3.0	2.7	2.7	2.6	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	2.9	2.7	2.5
7/20/2009	1,959	2.3	2.4	2.4	2.4	1.8	1.2	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
7/21/2009	1,836	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
7/22/2009	1,828	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.8
7/23/2009	1,836	0.7	0.7	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
7/24/2009	1,833	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.7
7/25/2009	1,827	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7
7/26/2009	0	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7/27/2009	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7/28/2009	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7/29/2009	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
7/30/2009	2,188	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7/31/2009	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8/1/2009	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8/2/2009	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8/3/2009	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8/4/2009	1,295	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.3	2.9	2.7	2.1	2.2	2.2	2.1	2.0	2.0	2.0	2.0	2.1
8/5/2009	2,339	2.1	2.1	2.2	2.2	1.6	0.9	0.5	0.7	1.3	2.0	2.6	3.0	3.0	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.0	3.0
8/6/2009	2,635	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.0	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9
8/7/2009	2,597	2.9	2.9	3.0	3.0	3.0	2.4	1.9	1.7	2.3	2.8	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.0	2.9	2.9	2.9	2.9	2.9
8/8/2009	2,647	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	3.0	3.0	3.0	2.9	2.8	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0
8/9/2009	2,645	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	2.9	2.9	2.9	2.9	2.9	2.9	2.9
8/10/2009	2,646	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.1	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	2.9	2.9
8/11/2009	2,659	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.0	3.0	3.1	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	3.0	3.0
8/12/2009	2,656	3.0	3.0	3.0	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	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0
8/13/2009	2,654	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	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
8/14/2009	2,653	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	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
8/15/2009	2,649	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.0	3.1	3.0	3.0	3.0	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9
8/16/2009	2,646	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.0	3.0	2.9	2.9	2.8	2.8	2.9	2.9	3.0	3.0	3.0	3.0
8/17/2009	2,650	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
8/18/2009	2,653	3.1	3.0	3.0	3.0	2.9	2.9	2.9	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	3.1
8/19/2009	2,657	3.1	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0
8/20/2009	2,656	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	2.9	3.0	Startup	Startup	Startup	3.0	3.0	3.0	3.1	3.1
8/21/2009	2,658	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	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	3.0
8/22/2009	2,661	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	2.9	2.9	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
8/23/2009	2,649	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1		

CF Industries Plant City Phosphate Complex D-SAP Quarterly Report, Hourly CEM Data - 3 Hr Rolling Avg



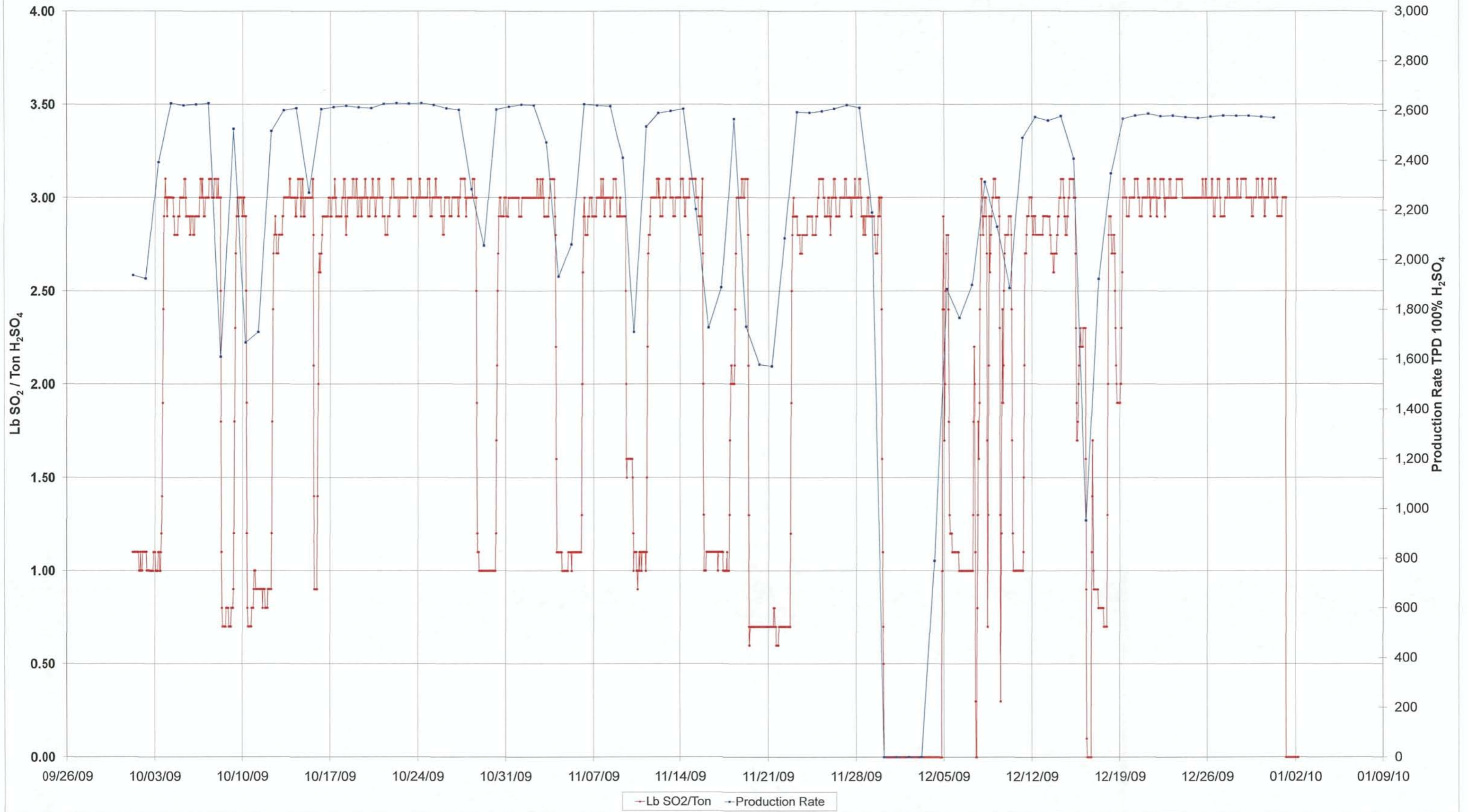
CF Industries Plant City Phosphate Complex C-SAP Quarterly Report, Hourly CEM Data - 3 Hr Rolling Avg



CF Industries, Inc. Plant City Phosphate Complex
D-SAP Quarterly Report, Hourly Stack CEM Data - Lb SO₂/Ton H₂SO₄
October 1, 2009 6:00 AM Through January 1, 2010 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
10/1/2009	1,938	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1
10/2/2009	1,924	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0
10/3/2009	2,392	1.0	1.1	1.1	1.1	1.0	1.0	1.1	1.2	1.4	1.9	2.4	2.9	3.0	3.1	3.0	3.0	3.0	2.9	3.0	3.0	3.0	3.0	3.0	3.0
10/4/2009	2,628	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0
10/5/2009	2,621	3.0	3.1	3.1	3.1	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.9	2.9
10/6/2009	2,625	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.1	3.1	3.1	3.0	3.1	3.0	3.0	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0
10/7/2009	2,629	3.0	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.0	3.0
10/8/2009	1,610	2.5	1.8	1.1	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.8	0.8
10/9/2009	2,527	0.8	0.9	1.2	1.8	2.3	2.7	2.9	3.0	3.0	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	3.0	3.0	2.9	2.9	2.9
10/10/2009	1,667	2.9	2.5	1.9	1.2	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.9	1.0	1.0	0.9	0.9	0.9	0.9
10/11/2009	1,709	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9
10/12/2009	2,518	0.9	0.9	1.2	1.8	2.4	2.7	2.8	2.8	2.9	2.8	2.8	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9
10/13/2009	2,601	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	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9
10/14/2009	2,610	2.9	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.0	2.9	3.0	3.1	3.1	3.0	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0
10/15/2009	2,270	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	2.8	2.1	1.4	0.9	0.9	0.9	0.9	0.9	0.9	1.4	2.0	2.6	2.7	2.6	2.6
10/16/2009	2,606	2.7	2.7	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	2.9	2.9	2.9	3.0	3.0	3.0
10/17/2009	2,614	3.0	3.0	3.1	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.0	2.9
10/18/2009	2,619	2.8	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.1	3.1	3.0	2.9	2.9
10/19/2009	2,613	2.9	3.0	3.0	3.0	3.0	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	3.0	3.0
10/20/2009	2,610	3.0	3.0	3.1	3.1	3.0	3.0	3.0	3.0	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9
10/21/2009	2,627	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0
10/22/2009	2,630	3.0	3.0	3.0	3.0	2.9	2.9	2.9	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
10/23/2009	2,628	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.0	3.0
10/24/2009	2,630	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	3.1	3.0	2.9	2.9	2.9	2.9	3.0	3.0	3.0
10/25/2009	2,622	3.0	3.0	3.0	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.8	2.9	3.0	3.0	3.0
10/26/2009	2,608	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9
10/27/2009	2,602	2.9	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
10/28/2009	2,284	3.0	3.0	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	2.5	1.9	1.2	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10/29/2009	2,057	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10/30/2009	2,604	1.2	1.7	2.1	2.5	2.7	2.9	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	3.0
10/31/2009	2,616	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	3.0	3.0	2.9	2.9	2.9	2.9	2.9
11/1/2009	2,624	2.9	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	3.0	3.0	3.0	3.0	3.0	3.0
11/2/2009	2,621	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.1	3.1	3.0	3.0	2.9	2.9	2.9	2.9
11/3/2009	2,473	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	2.9	2.8	2.2	1.6	1.1	1.1	1.1
11/4/2009	1,933	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1
11/5/2009	2,062	1.1	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.3	2.0	2.6	2.9
11/6/2009	2,626	3.0	2.9	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0
11/7/2009	2,621	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.1	3.0	3.0	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
11/8/2009	2,618	2.9	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	2.9	2.9	2.9	2.9	2.9	3.0	2.9	2.9	2.9	2.9
11/9/2009	2,411	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.5	2.0	1.6	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.2
11/10/2009	1,710	1.0	1.1	1.1	1.1	1.1	1.1	1.0	1.0	0.9	1.0	1.0	1.1	1.0	1.1	1.1	1.1	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
11/11/2009	2,536	1.0	1.1	1.5	2.2	2.7	2.8	2.8	2.8	2.9	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
11/12/2009	2,590	3.0	3.1	3.0	3.0	2.9	2.9	2.9	2.9	2.9	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	3.0
11/13/2009	2,598	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	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	3.1
11/14/2009	2,607	3.0	3.0	3.0	2.9	2.9	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	3.1
11/15/2009	2,204	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.9	3.0	3.1	2.7	2.0	1.3	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1
11/16/2009	1,727	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.1	1.1	1.1
11/17/2009	1,889	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.3	1.7	2.0	2.1	2.0	2.0	2.0
11/18/2009	2,566	2.0	2.0	2.1	2.4	2.7	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	3.0	3.0	3.0	3.1	3.1	3.1
11/19/2009	1,730	3.1	3.1	3.1	2.8	2.1	1.3	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
11/20/2009	1,579	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
11/21/2009	1,572	0.7	0.7	0.7	0.7	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
11/22/2009	2,087	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.2	1.9	2.5	2.8	2.9	3.0	2.9	2.9	2.9	2.9	2.9	2.9
11/23/2009	2,594	2.9	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2													

CF Industries Plant City Phosphate Complex D-SAP Quarterly Report, Hourly CEM Data - 3 Hr Rolling Avg



INSTRUMENT MAINTENANCE PROCEDURE
ENVIRONMENTAL MONITORING

39614-M

Page 1

ASSIGNED TO:

Shane/Jeff

DATE:

9-10-09

DW

EMISSION TEST GAS SPAN TEST C & D SULFURIC ACID PLANT
CRITICAL PM QUARTERLY

PRIOR TO TEST, order the following concentrations of test gas.

3.5 % O₂; 5 % O₂; 10% % O₂, BALANCE NITROGEN

250 PPM SO₂; 550 PPM SO₂; 900 PPM SO₂ BALANCE NITROGEN

O₂ and SO₂ bottles to be tested should be in place with regulators and tubing hooked up to sample line to enable switching from one gas bottle to the next without disconnecting.

TEST PROCEDURE

1. Start test as you would an ordinary emissions span test in period 8 or 16 on the Ametek Analyzer. This test procedure MUST be done three (3) times and the results averaged.
 - a. Beginning with the lowest O₂ concentration test gas, open the valve. At period 18, the O₂ will start sampling.
 - b. Stop the timer at this point by arrowing down on analyzer display to "stop timer." Enter "5 "; enter password "2222." Allow the reading to stabilize for five (5) minutes.
 - c. Close the low O₂ gas valve and open the medium concentration O₂ gas valve and allow this reading to stabilize, again, at approximately five (5) minutes.
 - d. Close the medium O₂ gas valve and open the high concentration O₂ gas valve.
 - e. Start the analyzer timer, close the high O₂ valve when the sampling period ends.
 - f. Open the low concentration SO₂ valve. Sampling of SO₂ begins at period 20.
 - g. Stop the timer again for stabilization (5 minutes).
 - h. Close the low SO₂ valve and open the medium concentration SO₂ valve. Allow 5 minutes for stabilization.
 - i. Close the medium SO₂ valve and open the high concentration SO₂. Start timer, allow analyzer to time out.
 - j. Push Flush/Zero button to exit calibration mode.
2. At the WDPF console, open the SO₂/O₂ Trends. Right "click" on GROUPS, right "click" on DISPLAY. Left "click" on HISTORICAL TRENDS. Change Start/Stop time to cover test period time. Record stabilized reading results, test time and any other pertinent information in the SO₂ book and on the following page.

Approved By: Superintendent Environmental Affairs

[Signature]

Date: 11/21/08

F:\doc\pm_ins\39614-M 11/29/07 Rev. 2 Approved By:

DWP GAO

Date: 12.4.07

INSTRUMENT MAINTENANCE PROCEDURE
ENVIRONMENTAL MONITORING

39614-M

Page 2

BEGIN TIME:

09:40

OXYGEN TEST 1

Requested Concentration Oxygen	Actual Concentration Oxygen	Yokogawa Analyzer Display	WDPF Reading
3.5%	3.53 %	3.54 %	3.52 %
5.0%	5.00 %	4.98 %	5.13 %
10.0%	10.03 %	9.88 %	9.90 %

OXYGEN TEST 2

Requested Concentration Oxygen	Actual Concentration Oxygen	Yokogawa Analyzer Display	WDPF Reading
3.5%	3.53 %	3.48 %	3.49 %
5.0%	5.00 %	4.95 %	4.90 %
10.0%	10.03 %	9.88 %	9.94 %

OXYGEN TEST 3

Requested Concentration Oxygen	Actual Concentration Oxygen	Yokogawa Analyzer Display	WDPF Reading
3.5%	3.53 %	3.46 %	3.48 %
5.0%	5.00 %	4.93 %	4.87 %
10.0%	10.03 %	9.90 %	9.92 %

INSTRUMENT MAINTENANCE PROCEDURE
ENVIRONMENTAL MONITORING

39614-M

Page 3

SO2 TEST 1

Requested Concentration SO2	Actual Concentration SO2	Ametek Analyzer Display	WDPF Reading
250PPM	250 PPM	250 PPM	242.6 PPM
550PPM	555 PPM	553 PPM	553.8 PPM
900PPM	904 PPM	895 PPM	897.2 PPM

SO2 TEST 2

Requested Concentration SO2	Actual Concentration SO2	Ametek Analyzer Display	WDPF Reading
250PPM	250 PPM	255 PPM	264.2 PPM
550PPM	555 PPM	555 PPM	550.8 PPM
900PPM	904 PPM	896 PPM	894.1 PPM

SO2 TEST 3

END TIME:

11:50

Requested Concentration SO2	Actual Concentration SO2	Ametek Analyzer Display	WDPF Reading
250PPM	250 PPM	256 PPM	262.1 PPM
550PPM	555 PPM	555 PPM	553.8 PPM
900PPM	904 PPM	897 PPM	895.0 PPM

INSTRUMENT MAINTENANCE PROCEDURE
ENVIRONMENTAL MONITORING

39614-M

Page 4

AVERAGES

Requested Concentration Oxygen	Actual Concentration Oxygen	Yokogawa Analyzer Display	WDPF Reading
3.5%	3.53 %	3.5 %	3.49 %
5.0%	5.00 %	4.9 %	4.96 %
10.0%	10.03 %	9.8 %	9.92 %

Requested Concentration SO2	Actual Concentration SO2	Ametek Analyzer Display	WDPF Reading
250PPM	250.0 PPM	254 PPM	256.3 PPM
550PPM	555.0 PPM	554 PPM	552.8 PPM
900PPM	904.0 PPM	896 PPM	895.4 PPM

TEST GAS

Requested Concentrations	Actual Test Gas	Bottle Serial Number
3.5% Oxygen	3.53	CC234187
5.0% Oxygen	5.00	CC209786
10.0% Oxygen	10.03	CC199817
250 PPM SO2	250.	CC253899
550 PPM SO2	555.	CC67247
900 PPM SO2	904	XC024000B

NOTES AND COMMENTS OF INSPECTION

OK @ this time

Completed By: S. Miller Date: 9-10-09
(Mechanic's Signature)

Reviewed By: D. [Signature] Date: 9/10/09
(Supervisor's Signature)

INSTRUMENT MAINTENANCE PROCEDURE
ENVIRONMENTAL MONITORING

39614-M

Page 1

ASSIGNED TO:

Shane Miller

DATE:

12-17-09

EMISSION TEST GAS SPAN TEST C & D SULFURIC ACID PLANT
CRITICAL PM QUARTERLY

PRIOR TO TEST, order the following concentrations of test gas.

3.5 % O₂; 5 % O₂; 10% % O₂, BALANCE NITROGEN

250 PPM SO₂; 550 PPM SO₂; 900 PPM SO₂, BALANCE NITROGEN

O₂ and SO₂ bottles to be tested should be in place with regulators and tubing hooked up to sample line to enable switching from one gas bottle to the next without disconnecting.

TEST PROCEDURE

1. Start test as you would an ordinary emissions span test in period 8 or 16 on the Ametek Analyzer. This test procedure MUST be done three (3) times and the results averaged.
 - a. Beginning with the lowest O₂ concentration test gas, open the valve. At period 18, the O₂ will start sampling.
 - b. Stop the timer at this point by arrowing down on analyzer display to "stop timer." Enter "5 "; enter password "2222." Allow the reading to stabilize for five (5) minutes.
 - c. Close the low O₂ gas valve and open the medium concentration O₂ gas valve and allow this reading to stabilize, again, at approximately five (5) minutes.
 - d. Close the medium O₂ gas valve and open the high concentration O₂ gas valve.
 - e. Start the analyzer timer, close the high O₂ valve when the sampling period ends.
 - f. Open the low concentration SO₂ valve. Sampling of SO₂ begins at period 20.
 - g. Stop the timer again for stabilization (5 minutes).
 - h. Close the low SO₂ valve and open the medium concentration SO₂ valve. Allow 5 minutes for stabilization.
 - i. Close the medium SO₂ valve and open the high concentration SO₂. Start timer, allow analyzer to time out.
 - j. Push Flush/Zero button to exit calibration mode.
2. At the WDPF console, open the SO₂/O₂ Trends. Right "click" on GROUPS, right "click" on DISPLAY. Left "click" on HISTORICAL TRENDS. Change Start/Stop time to cover test period time. Record stabilized reading results, test time and any other pertinent information in the SO₂ book and on the following page.

Approved By: Superintendent Environmental Affairs

[Signature]

Date: 12-17-09

F:\doc\pm_ins\39614-M 11/29/07 Rev. 2 Approved By:

DWP GAO

Date: 12-17-09

INSTRUMENT MAINTENANCE PROCEDURE
ENVIRONMENTAL MONITORING

39614-M

Page 2

BEGIN TIME:

09:28A

OXYGEN TEST 1

Requested Concentration Oxygen	Actual Concentration Oxygen	Yokogawa Analyzer Display	WDPF Reading
3.5%	3.53 %	3.60 %	3.58 %
5.0%	5.00 %	5.09 %	5.06 %
10.0%	10.03 %	10.20 %	10.14 %

OXYGEN TEST 2

Requested Concentration Oxygen	Actual Concentration Oxygen	Yokogawa Analyzer Display	WDPF Reading
3.5%	3.53 %	3.52 %	3.53 %
5.0%	5.00 %	5.03 %	4.99 %
10.0%	10.03 %	10.10 %	10.17 %

OXYGEN TEST 3

Requested Concentration Oxygen	Actual Concentration Oxygen	Yokogawa Analyzer Display	WDPF Reading
3.5%	3.53 %	3.51 %	3.49 %
5.0%	5.00 %	5.01 %	5.01 %
10.0%	10.03 %	9.92 %	9.94 %

INSTRUMENT MAINTENANCE PROCEDURE
ENVIRONMENTAL MONITORING

39614-M

Page 3

SO2 TEST 1

Requested Concentration SO2	Actual Concentration SO2	Ametek Analyzer Display	WDPF Reading
250PPM	250.4 PPM	250.4 PPM	243.8 PPM
550PPM	555.9 PPM	555.6 PPM	548.6 PPM
900PPM	911.8 PPM	905.6 PPM	902.0 PPM

SO2 TEST 2

Requested Concentration SO2	Actual Concentration SO2	Ametek Analyzer Display	WDPF Reading
250PPM	250.4 PPM	256.7 PPM	260.6 PPM
550PPM	555.9 PPM	557.1 PPM	556.6 PPM
900PPM	911.8 PPM	904.6 PPM	901.1 PPM

SO2 TEST 3

END TIME:

11:50 A

Requested Concentration SO2	Actual Concentration SO2	Ametek Analyzer Display	WDPF Reading
250PPM	250.4 PPM	257.1 PPM	259.6 PPM
550PPM	555.9 PPM	557.6 PPM	559.6 PPM
900PPM	911.8 PPM	906.0 PPM	906.3 PPM

INSTRUMENT MAINTENANCE PROCEDURE
ENVIRONMENTAL MONITORING

39614-M

Page 4

AVERAGES

Requested Concentration Oxygen	Actual Concentration Oxygen	Yokogawa Analyzer Display	WDPF Reading
3.5%	3.53 %	3.54 %	3.53 %
5.0%	5.00 %	5.04 %	5.02 %
10.0%	10.03 %	10.07 %	10.08 %

Requested Concentration SO2	Actual Concentration SO2	Ametek Analyzer Display	WDPF Reading
250PPM	250.4 PPM	254.7 PPM	254.6 PPM
550PPM	559.9 PPM	556.7 PPM	554.9 PPM
900PPM	911.8 PPM	905.4 PPM	903.1 PPM

TEST GAS

Requested Concentrations	Actual Test Gas	Bottle Serial Number
3.5% Oxygen	3.53	CC234187
5.0% Oxygen	5.00	CC209786
10.0% Oxygen	10.03	CC199817
250 PPM SO2	250.4	CC253899
550 PPM SO2	555.9	CC67247
900 PPM SO2	911.8	CC255631

NOTES AND COMMENTS OF INSPECTION

_____ OK @ this time _____

Completed By: S. Miller Date: 12-17-09
(Mechanic's Signature)

Reviewed By: [Signature] Date: 12-17-09
(Supervisor's Signature)