

**CF Industries, Inc.**  
**Plant City**  
**Phosphate Complex**  
P.O. Drawer L  
Plant City, Florida 33564  
813-782-1591  
www.cfifi.com

**RECEIVED**

**OCT 19 2007**

**BUREAU OF AIR REGULATION**

October 17, 2007

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

**SUBJECT: CF Industries, Inc. (CFI)**  
**Plant City Phosphate Complex**  
**Permit No. 057005-017AV**  
**"C" & "D" Sulfuric Acid Plants**  
**Third Quarter 2007 SO2 CEM/Production Data**

Dear Ms. Vielhauer:

In accordance with Specific Condition, "Subsection B.20." contained in the facility Title V Air Permit No. 0570005-017AV, enclosed is the Third Quarter 2007 SO<sub>2</sub> 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,

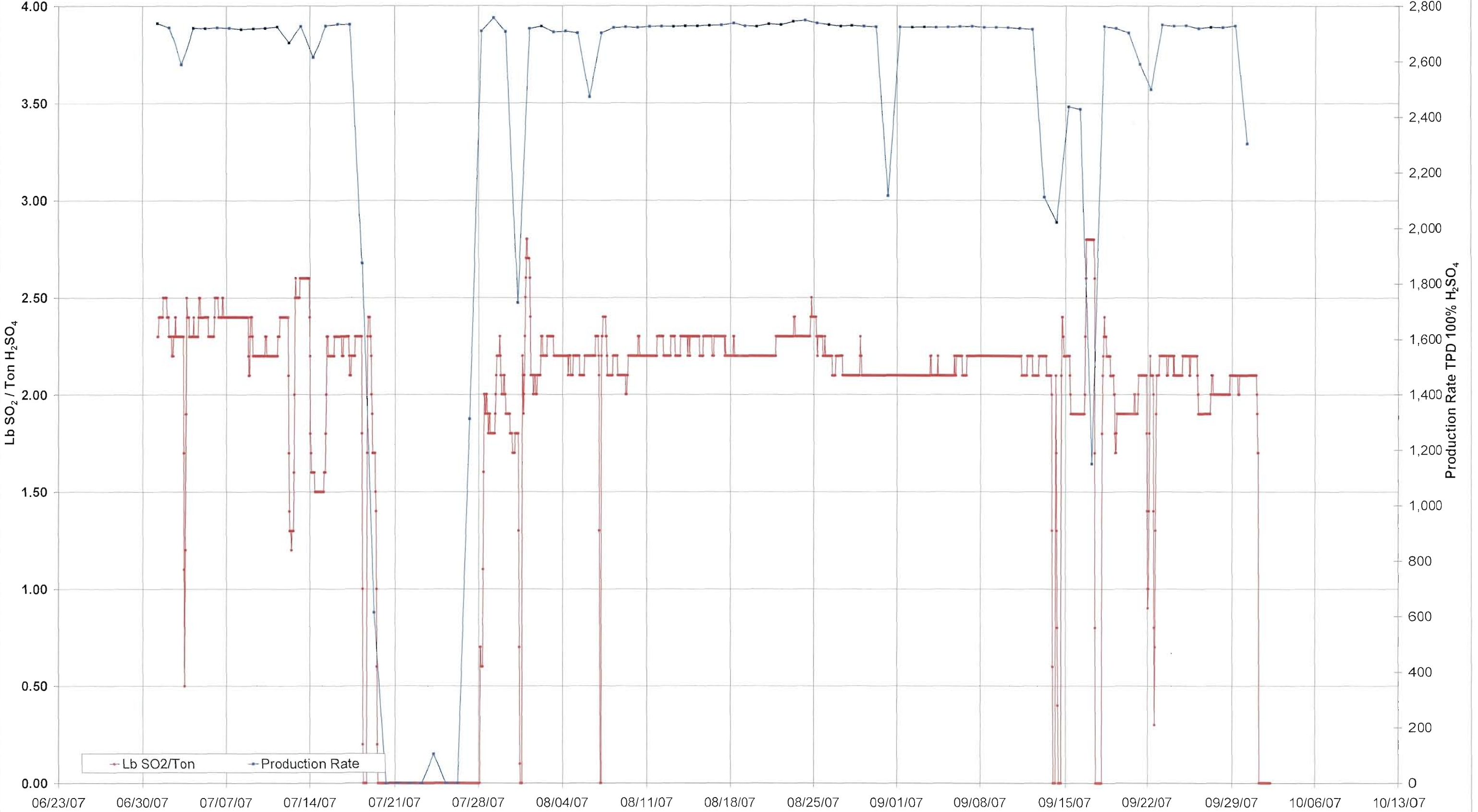


Ronald L. Brunk  
Superintendent, Environmental  
Affairs

RLB/FJD/gem

CC: Chris Bradley/FDEP  
Lynn Robinson/HCEPC  
F.J. Dlugos/Envir. Files

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

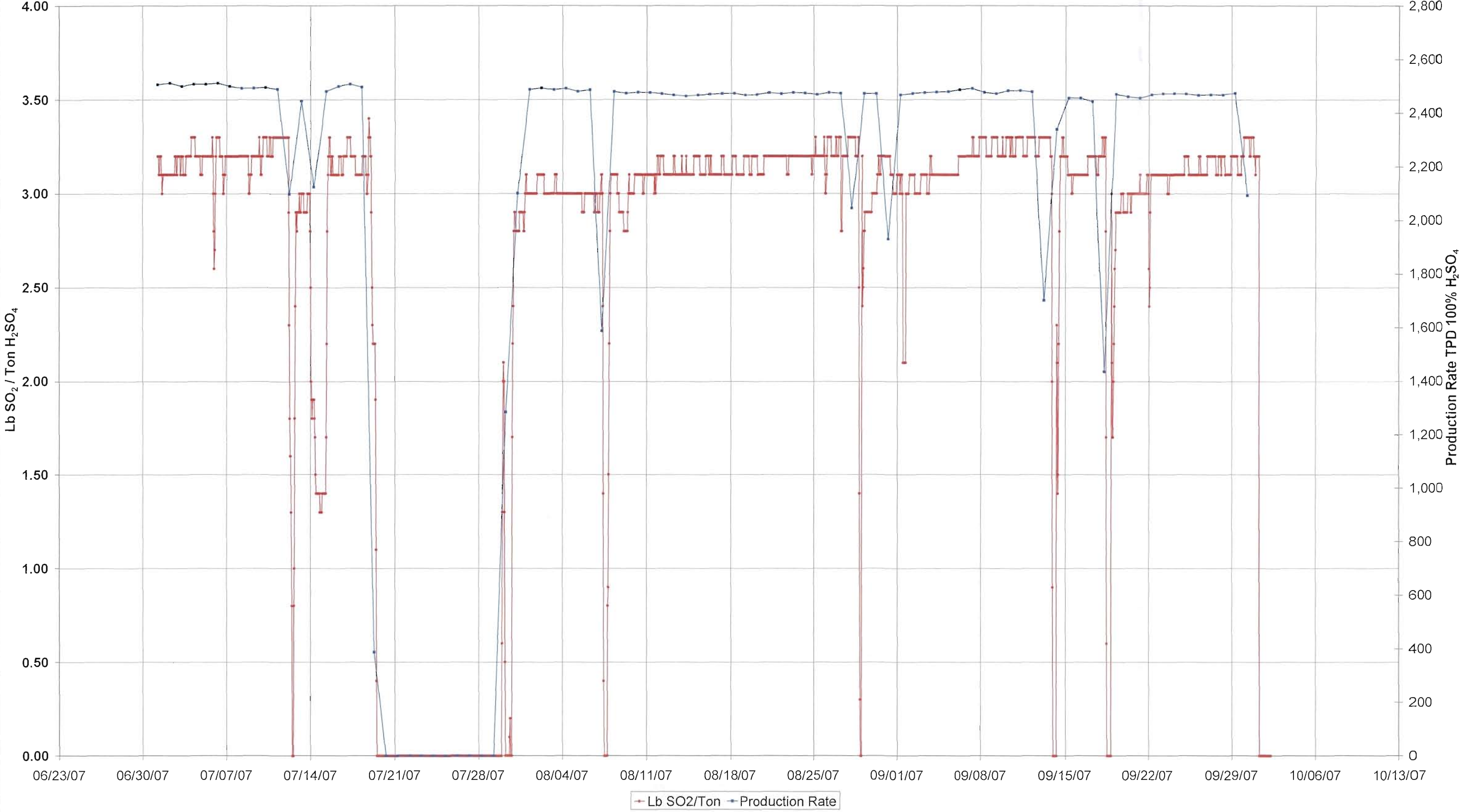




CF Industries, Inc. Plant City Phosphate Complex  
**C-SAP Quarterly Report (Third Quarter 2007), Hourly Stack CEM Data - Lb SO<sub>2</sub>/Ton H<sub>2</sub>SO<sub>4</sub>**  
**July 1, 2007 6:00 AM Through October 1, 2007 6:00 AM**  
**3-Hr Rolling Average Period (Previous 2hrs & Indicated Hr)**

	Daily Prod. Tons H <sub>2</sub> SO <sub>4</sub>	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
8/23/2007	2,743	2.3	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	2.3	2.3	2.3	2.3	2.3	2.3	2.3
8/24/2007	2,747	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3
8/25/2007	2,737	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2
8/26/2007	2,732	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
8/27/2007	2,726	2.2	2.2	2.2	2.2	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
8/28/2007	2,729	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	2.2	2.3	2.2	2.2	2.1	2.1	2.1	2.1
8/29/2007	2,726	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	2.1	2.1	2.1	2.1
8/30/2007	2,724	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	2.1	2.1	2.1	2.1
8/31/2007	2,116	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	2.1	2.1	2.1	2.1
9/1/2007	2,723	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	2.1	2.1	2.1	2.1
9/2/2007	2,723	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	2.1	2.1	2.1	2.1
9/3/2007	2,724	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
9/4/2007	2,722	2.1	2.1	2.1	2.2	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
9/5/2007	2,723	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	2.2	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2
9/6/2007	2,725	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
9/7/2007	2,726	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
9/8/2007	2,721	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
9/9/2007	2,722	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
9/10/2007	2,721	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
9/11/2007	2,718	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
9/12/2007	2,715	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
9/13/2007	2,112	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	1.3	0.6	0.0	0.0	Startup	Startup	Startup	2.1
9/14/2007	2,022	1.7	1.3	0.8	0.4	0.0	0.0	0.0	Startup	Startup	Startup	2.1	2.4	2.4	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
9/15/2007	2,437	2.2	2.2	2.2	2.1	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
9/16/2007	2,428	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.3	2.6	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
9/17/2007	1,150	2.8	2.8	2.8	2.8	2.8	2.6	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Startup	Startup	Startup	1.8	2.1	2.2
9/18/2007	2,726	2.3	2.4	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	1.8
9/19/2007	2,718	1.7	1.7	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
9/20/2007	2,702	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.1
9/21/2007	2,590	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	1.8	1.4	1.0	0.9	1.0	1.4	1.8	2.2
9/22/2007	2,499	2.1	2.1	2.1	2.1	2.1	2.1	2.0	1.4	0.8	0.3	0.7	1.3	1.9	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2
9/23/2007	2,731	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
9/24/2007	2,727	2.1	2.2	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	2.2	2.2	2.2	2.2	2.2	2.2
9/25/2007	2,729	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.0
9/26/2007	2,718	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
9/27/2007	2,723	2.0	2.0	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
9/28/2007	2,722	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
9/29/2007	2,728	2.1	2.1	2.0	2.1	2.1	2.1	2.0	2.0	2.0	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
9/30/2007	2,304	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	2.0	1.9	1.7	1.7

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





**CF Industries, Inc. Plant City Phosphate Complex**  
**D-SAP Quarterly Report(Third Quarter 2007), Hourly Stack CEM Data - Lb SO<sub>2</sub>/Ton H<sub>2</sub>SO<sub>4</sub>**  
**July 1, 2007 6:00 AM Through October 1, 2007 6:00 AM**

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

	Daily Prod. Tons H <sub>2</sub> SO <sub>4</sub>	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
8/28/2007	2,046	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.3	3.3	2.5	1.4	0.3	Startup	Startup	Startup	3.2	2.4	2.5	2.6
8/29/2007	2,473	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	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
8/30/2007	2,473	3.0	3.0	3.1	3.1	3.2	3.2	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
8/31/2007	1,931	3.2	3.2	3.2	3.2	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	3.0
9/1/2007	2,468	3.1	3.1	3.1	3.0	3.0	2.1	2.1	2.1	2.1	2.1	2.1	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
9/2/2007	2,474	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	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
9/3/2007	2,477	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.1	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
9/4/2007	2,479	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	3.1	3.1	3.1	3.1	3.1	3.1
9/5/2007	2,481	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	3.1	3.1	3.1	3.1	3.2	3.2
9/6/2007	2,488	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	3.2	3.2	3.2	3.2	3.2	3.2	3.2
9/7/2007	2,492	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	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
9/8/2007	2,478	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	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
9/9/2007	2,473	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	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3
9/10/2007	2,484	3.3	3.3	3.3	3.3	3.2	3.2	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	3.3	3.3	3.3
9/11/2007	2,484	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	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
9/12/2007	2,480	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	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
9/13/2007	1,703	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	3.0	2.0	0.9	0.0	0.0	0.0	0.0	Startup	Startup
9/14/2007	2,340	Startup	2.3	2.1	1.4	1.5	2.2	2.8	3.2	3.2	3.2	3.2	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
9/15/2007	2,456	3.1	3.1	3.1	3.1	3.1	3.1	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	3.1	3.1	3.1
9/16/2007	2,456	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	3.2	3.2	3.2	3.2	3.2
9/17/2007	2,443	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	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	3.3	3.3	3.2
9/18/2007	1,436	3.3	3.3	3.3	2.8	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	Startup	Startup	Startup	3.0	2.1	1.7	1.7	2.0	2.2	2.4	2.6	2.7
9/19/2007	2,471	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	2.9	2.9	2.9	2.9	2.9	2.9	2.9
9/20/2007	2,461	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
9/21/2007	2,456	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	3.1	3.1	3.1	3.1	3.0	2.6	2.4	2.5	2.9	3.1	3.1
9/22/2007	2,469	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	3.1	3.1	3.1	3.1	3.1	3.1
9/23/2007	2,473	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
9/24/2007	2,473	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	3.1	3.1	3.1	3.1	3.2	3.2
9/25/2007	2,472	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	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
9/26/2007	2,467	3.1	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	3.1	3.2	3.2	3.2	3.2	3.2	3.2
9/27/2007	2,469	3.2	3.2	3.2	3.2	3.2	3.2	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	3.2	3.1	3.2	3.2	3.2
9/28/2007	2,468	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	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
9/29/2007	2,474	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	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3
9/30/2007	2,093	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	3.2	3.2	3.2	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2

INSTRUMENT MAINTENANCE PROCEDURE  
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ASSIGNED TO: Tennell Floyd / Shane Miller DATE: 8-1-07

EMISSION TEST GAS SPAN TEST  
CRITICAL PM QUARTERLY (8 Hours)

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

3.5 % O<sub>2</sub>; 5 % O<sub>2</sub>; 10% % O<sub>2</sub>, BALANCE NITROGEN

250 PPM SO<sub>2</sub>; 550 PPM SO<sub>2</sub>; 900 PPM SO<sub>2</sub> BALANCE NITROGEN

O<sub>2</sub> and SO<sub>2</sub> 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 O<sub>2</sub> concentration test gas, open the valve. At period 18, the O<sub>2</sub> 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 O<sub>2</sub> gas valve and open the medium concentration O<sub>2</sub> gas valve and allow this reading to stabilize, again, at approximately five (5) minutes.
  - d. Close the medium O<sub>2</sub> gas valve and open the high concentration O<sub>2</sub> gas valve.
  - e. Start the analyzer timer, close the high O<sub>2</sub> valve when the sampling period ends.
  - f. Open the low concentration SO<sub>2</sub> valve. Sampling of SO<sub>2</sub> begins at period 20.
  - g. Stop the timer again for stabilization (5 minutes).
  - h. Close the low SO<sub>2</sub> valve and open the medium concentration SO<sub>2</sub> valve. Allow 5 minutes for stabilization.
  - i. Close the medium SO<sub>2</sub> valve and open the high concentration SO<sub>2</sub>. Start timer, allow analyzer to time out.
  - j. Push Flush/Zero button to exit calibration mode.
2. At the WDPF console, open the SO<sub>2</sub>/O<sub>2</sub> 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 SO<sub>2</sub> book and on the following page.

Approved By: Superintendent Environmental Affairs

Thomas Edwards 1/26/05

F:\doc\pm\_ins\39560-E 1/26/05 Rev. 1

Approved By:

Shane Miller C&D

Date:

1-26-05



INSTRUMENT MAINTENANCE PROCEDURE  
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BEGIN TIME:

07:39 AM

OXYGEN TEST 1

Requested Concentration Oxygen	Actual Concentration Oxygen	Yokogawa Analyzer Display	WDPF Reading
3.5%	3.52 %	3.44 %	3.47 %
5.0%	5.00 %	4.86 %	4.85 %
10.0%	10.00 %	9.87 %	9.84 %

OXYGEN TEST 2

Requested Concentration Oxygen	Actual Concentration Oxygen	Yokogawa Analyzer Display	WDPF Reading
3.5%	3.52 %	3.41 %	3.46 %
5.0%	5.00 %	4.82 %	4.80 %
10.0%	10.00 %	9.81 %	9.82 %

OXYGEN TEST 3

Requested Concentration Oxygen	Actual Concentration Oxygen	Yokogawa Analyzer Display	WDPF Reading
3.5%	3.52 %	3.41 %	3.4 %
5.0%	5.00 %	4.81 %	4.75 %
10.0%	10.00 %	9.75 %	9.74 %

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SO2 TEST 1

Requested Concentration SO2	Actual Concentration SO2	Ametek Analyzer Display	WDPF Reading
250PPM	249 PPM	251 PPM	252 PPM
550PPM	532 PPM	532 PPM	531 PPM
900PPM	894 PPM	887 PPM	883 PPM

SO2 TEST 2

Requested Concentration SO2	Actual Concentration SO2	Ametek Analyzer Display	WDPF Reading
250PPM	249 PPM	254 PPM	263 PPM
550PPM	532 PPM	534 PPM	528 PPM
900PPM	894 PPM	886 PPM	885 PPM

SO2 TEST 3

END TIME:

11:30 AM

Requested Concentration SO2	Actual Concentration SO2	Ametek Analyzer Display	WDPF Reading
250PPM	249 PPM	254 PPM	262 PPM
550PPM	532 PPM	536 PPM	530 PPM
900PPM	894 PPM	885 PPM	879 PPM

INSTRUMENT MAINTENANCE PROCEDURE  
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AVERAGES

Requested Concentration Oxygen	Actual Concentration Oxygen	Yokogawa Analyzer Display	WDPF Reading
3.5%	3.52%	3.42%	3.44%
5.0%	5.0%	4.83%	4.80%
10.0%	10.0%	9.81%	9.8%

Requested Concentration SO2	Actual Concentration SO2	Ametek Analyzer Display	WDPF Reading
250PPM	249 PPM	253 PPM	259 PPM
550PPM	532 PPM	534 PPM	530 PPM
900PPM	894 PPM	886 PPM	882 PPM

TEST GAS

Requested Concentrations	Actual Test Gas	Bottle Serial Number
3.5% Oxygen	3.52	CC10398
5.0% Oxygen	5.00	CC55137
10.0% Oxygen	10.0	CC181782
250 PPM SO2	249	CC253899
550 PPM SO2	532	CC148444
900 PPM SO2	894	CC199

NOTES AND COMMENTS OF INSPECTION

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\_\_\_\_\_  
\_\_\_\_\_

Completed By: *Zerrell Floyd* Date: 8-1-07  
(Mechanic's Signature)

Reviewed By: *Kelley* Date: 17 Oct 07  
(Supervisor's Signature)