



ENVIRO-CHEM SYSTEMS

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January 14, 2004

Mr. Randy Charlot  
CF Industries, Inc.  
P.O. Drawer "L"  
Plant City, FL 33565

**Subject: C or D Plant SO2 Emissions**

Dear Randy:

Using the catalyst loadings as noted below, the following SO2 emissions can be obtained by varying the C or D plant rate:

EMISSIONS	PLANT RATE
4.0 #/ton	2700 STPD
3.5 #/ton	2600 STPD
3.25 #/ton	2500 STPD
3.0 #/ton	2375 STPD

The calculations above are just for the converter/catalyst system and assume the rest of the plant can deliver/handle the various production rates. The following catalyst loadings were used in the simulation:

Pass 1: 70K liters and 85% activity  
Pass 2: 78K liters and 85% activity  
Pass 3: 94.4K liters and 90% activity  
Pass 4: 158.8K liters new SCX-2000 super cesium catalyst

Please let me know if you need any additional information.

Sincerely,

John R. Horne

/jd