

Date TBD

Mr. Dennis Leonard
Air Regulatory Supervisor
Chevron Products Company
324 W. El Segundo Blvd.
El Segundo, CA 90245

SUBJECT: A/N 429687- Rule 1105.1 Compliance Plan for FCCU Control System Constructed and Modified After November 7, 2003

Dear Mr. Leonard:

The South Coast Air Quality Management District has reviewed your Rule 1105.1 FCCU Monitoring and Recording Plan dated May 6, 2004 and additional documentation submitted in 2012. This plan specifies the operating parameters to be monitored, the range of operating levels of each proposed parameter, and the frequency of monitoring and recording for the control equipment of the FCCU installed and operated before November 7, 2003[1105.1(e)(3)(A)].

Based on our review of the information provided to us, your compliance plan is approved subject to the requirements shown below.

The operating parameters of the control equipment for the FCCU shall be monitored and recorded as follows:

Rule 1105.1 Plan: Operating Parameters and Frequency of Monitoring and Recording¹

Operating Parameters	Range of Operating Levels	Monitoring Frequency	Recording Frequency
Dry Electrostatic Precipitator(s)			
Flue gas inlet temperature to ESP	550 – 750 °F	Continuously ²	Hourly ³
Flue gas flow rate	120-175 mscfm	Continuously ²	Hourly ³
Total power input	> 50 kW	Continuously ²	Hourly ³
Ammonia injection rate	0 – 3 gpm	Continuously ²	Hourly ³

Operating Parameters	Range of Operating Levels	Monitoring Frequency	Recording Frequency
SO₂ Reducing Catalyst Additives			
Type of SO ₂ reducing catalyst	Intercat SOXGETTER	Once & when change occurs	Once & when change occurs
Addition rate of SO ₂ reducing catalyst	0 – 400 lbs/day	Daily ⁴	Daily ⁴
Pickup factor (i.e. lbs SO ₂ reduced per lbs of additives)	4.1 lb SO ₂ per lb additive	Once & when change occurs	Once & when change occurs

Note:

1. Monitoring and recording as shown in this table shall not be required during periods of routine maintenance and malfunction of monitoring and recording devices.
2. “Continuously Monitoring” means monitoring at least once every 15 minutes.
3. “Hourly Recording” means recording at least one measurement every hour.
4. “Daily Monitoring” and “Daily Recording” means monitoring and recording at least one measurement every day.

If you have any questions, regarding this plan, please contact Ms. Janice West at 909-396-3763.

Sincerely,

Jay Chen
Senior Manager
Refinery and Waste Management
Engineering & Compliance

JC:JW

cc: Ed Pupka