

## Appendix 9G

Emission Limits – Excerpts from ROP for St Mary's  
Cement Inc.

**FGKILNRAWMILLS  
FLEXIBLE GROUP CONDITIONS**

**DESCRIPTION:** This Flexible Group deals with mixing and grinding, then heating the ingredients to make cement. Included are limestone, shale, bottom ash, fly ash, bauxite, mill scales, slags, various sands, numerous iron sources, clay, overburden that are ground and mixed in EURAWMILLS. These raw materials are then sent to the EUKILN where they are heated and become clinker.

**Emission Units:** EURAWMILLS, EUKILN

**POLLUTION CONTROL EQUIPMENT:** Baghouse, Electrostatic Precipitator, Selective Non-Catalytic Reduction (SNCR)

**I. EMISSION LIMIT(S)**

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. PM	0.30 lb/ton of dry feed <sup>2</sup>		FGKILNRAWMILLS	SC V.1	40 CFR 63.1343(b)(1)
2. SO <sub>2</sub>	2800 lbs/hour <sup>2</sup>	Hourly, as the average of each calendar day's emissions over the time of operation.	FGKILNRAWMILLS	SC VI.4, VI.10	R 336.1201(3)
3. SO <sub>2</sub>	550 tons/month <sup>2</sup>	Calendar month.	FGKILNRAWMILLS	SC VI.4, VI.10	R 336.1201(3)
4. SO <sub>2</sub>	4404 tons/year <sup>2</sup>	12-month rolling time period, as determined at the end of each calendar month.	FGKILNRAWMILLS	SC VI.4, VI.10	R 336.1201(3)
5. NO <sub>x</sub>	6.50 lbs/ton of clinker produced <sup>1</sup>	Monthly average, as determined at the end of each calendar month, from May 1 through September 30.	FGKILNRAWMILLS	SC VI.2, VI.5, VI.11	R 336.1801(4), Consent Order AQD No. 25-2006 Paragraph 10. A.1.
6. NO <sub>x</sub>	7.67 lbs/ton of clinker produced <sup>2</sup>	Monthly average, as determined at the end of each calendar month, from October 1 through April 30.	FGKILNRAWMILLS	SC VI.2, VI.5, VI.11	R 336.1213, R 336.1910, Consent Order AQD No. 25-2006 Paragraph 10. A.1.
7. D/F*	1.7 x 10 <sup>-10</sup> gr/dscf (TEQ) corrected to 7 percent oxygen <sup>2#</sup>		FGKILNRAWMILLS	SC III.4, V.2, VI.6, VI.17	40 CFR 63.1343(b)(3)
8. Nickel when burning 100% petroleum coke	0.36 lb/hour <sup>1</sup>		FGKILNRAWMILLS	SC V.3	R 336.1224, R 336.1225