

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**  
**Best Available Control Technology (BACT) Guideline**

**Source Category**

|         |             |             |          |
|---------|-------------|-------------|----------|
| Source: | Cement Kiln | Revision:   | 1        |
|         |             | Document #: | 41.1     |
| Class:  | All         | Date:       | 01/17/92 |

**Determination**

| POLLUTANT        | BACT<br>1. Technologically Feasible/ Cost Effective<br>2. Achieved in Practice   | TYPICAL TECHNOLOGY   |
|------------------|--|--|
| POC              | 1. n/d<br>2. n/d   | 1. n/d<br>2. n/d   |
| NO <sub>x</sub>  | 1. 0.9 lb NO <sub>x</sub> /ton clinker produced <sup>a</sup><br>2. 1.8 lb NO <sub>x</sub> /ton clinker produced <sup>a</sup> | 1. Precalciner/Kiln System w/ Combustion Modifications + Low NO <sub>x</sub> Burner + Cyanuric Acid Injection <sup>a</sup><br>2. Precalciner/Kiln System w/ Combustion Modifications + Low NO <sub>x</sub> Burner <sup>a</sup> |
| SO <sub>2</sub>  | 1. n/d<br>2. n/s   | 1. n/d<br>2. In Situ Limestone Capture <sup>a</sup>  |
| CO               | 1. n/d<br>2. n/d   | 1. n/d<br>2. n/d   |
| PM <sub>10</sub> | 1. ≤0.006 gr/dscf <sup>b</sup><br>2. ≤0.01 gr/dscf <sup>b</sup>  | 1. Baghouse <sup>b</sup><br>2. Baghouse <sup>b</sup>   |
| NPOC             | 1. n/a<br>2. n/a   | 1. n/a<br>2. n/a   |

**References**

- a. BAAQMD Clean Air Plan  
b. BAAQMD