

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Best Available Control Technology (BACT) Guideline

Source Category

Source:	Concrete Batch Plants	Revision:	2
		Document #:	49.3
Class:	≥ 5 Cubic yards per batch	Date:	7/27/2021

Determination

Pollutant	BACT 1. Technologically Feasible/ Cost Effective 2. Achieved in Practice	TYPICAL TECHNOLOGY
POC	1. n/a 2. n/a	1. n/a 2. n/a
NOx	1. n/a 2. n/a	1. n/a 2. n/a
SO ₂	1. n/a 2. n/a	1. n/a 2. n/a
CO	1. n/a 2. n/a	1. n/a 2. n/a
PM ₁₀	<p>1. Requirements:</p> <ul style="list-style-type: none"> • Wind screens and water spray w/ chemical suppressants for aggregate handling and storage piles; and • Paving of site road surfaces; and • Complete enclosure and venting of cement handling and storage to baghouse emitting <0.0013 gr/dscf;^{b,c} and • Truck loading operations completely enclosed by a double shroud^f achieving ≥ 99% capture or equivalent, venting to baghouse emitting <0.0013 gr/dscf.^e <p>2. Requirements:</p> <ul style="list-style-type: none"> • Water spray for aggregate handling, aggregate storage piles, and site road surfaces; and • Enclosure and venting of cement handling and storage to baghouse emitting <0.0013 gr/dscf;^{b,c} and • Truck loading operations completely enclosed by a double shroud^f achieving ≥ 99% capture or equivalent, venting to baghouse emitting <0.0013 gr/dscf.^e 	<p>1. BAAQMD Approved Design and Operation ^a</p> <p>2. BAAQMD Approved Design and Operation ^a</p>
NPOC	1. n/a 2. n/a	1. n/a 2. n/a

References

- a. BAAQMD
- b. BAAQMD Application #7080 (Bode Gravel Company), Issued 5/15/2003.
- c. BAAQMD Application #4770 (Lehigh Southwest Cement), Issued 4/6/1992.
- d. SBCAPCD BACT Guideline 5.1.7, SBCAPCD BACT Determination for ATC #14980 (Triple J Ready Mix).
- e. BAAQMD Application #29512 (Tri-City Rock Inc.), Issued 11/25/2020; Application #3002 (Bode Gravel Company), Issued 10/1/2003; #26351 (Central Concrete Supply Inc.), Issued 5/22/2015; #29759 (Harbor Ready Mix), Issued 4/8/2020; and #30664 (Northgate Ready Mix), Issued 1/27/2021.
- f. Double shroud system includes an outer shroud, which seals to the truck, with an extension boot that can be positioned inside the mixer truck hopper.