

# Concrete Batch Plant Standard Permit Source Analysis & Technical Review

Company	<b>Smyrna Ready Mix Concrete, LLC</b>	Permit Number	<b>178116</b>
City	<b>Dallas</b>	Project Number	<b>382761</b>
County	<b>Dallas</b>	Regulated Entity Number	<b>RN112075460</b>
Project Type	<b>Initial</b>	Customer Reference Number	<b>CN605629245</b>
Project Reviewer	<b>Ava Enriquez</b>	Received Date	<b>November 1, 2024</b>
Site Address	<b>6300 Harry Hines Blvd in Dallas, TX</b>		

## Project Overview

### Facility Description:

This is the proposed authorization of a permanent Truck Mix concrete batch plant with a maximum production rate of 200 cubic yards per hour not to exceed 650,000 cubic yards per year in any rolling 12-month period. The facility will be located in Dallas County therefore the required setback distance from the nearest suction shroud fabric/cartridge filter exhaust, cement/fly ash storage silos, and/or engine to any property line is 100 feet. The applicant has represented the facility will operate up to 24 hours per day, 7 days a week, 52 weeks a year not to exceed 8,760 hours per year. In addition, the applicant represented they will shelter the drop point by an intact three-sided enclosure with a flexible shroud hanging from above the truck, or equivalent dust collection technology that extends below the mixer truck-receiving funnel.

The applicant also represented they will shelter the truck loading operation with a three-sided solid enclosure or equivalent that extends from the ground level to three feet above the truck-receiving funnel.

The applicant also represented engine(s) that will not exceed 1,000 total horsepower at the site and 2.61 grams per horsepower-hour (g/hp-hr) of NO<sub>x</sub>, per manufacturer's specifications.

### Process Description:

Washed sand and gravel (aggregate) are to be delivered by trucks and stockpiled at the facility. The stockpiled aggregate will be sprinkled with water as needed for dust-control. When needed for production, the aggregate will be moved via a front-end loader to the conveyor that leads to the aggregate bin from where the aggregate will drop into the weigh batcher. After weighing, each batch will drop into the rotating drums of mixer trucks.

Cement/Flyash will be pneumatically conveyed from delivery tankers into the cement silo(s). Remaining in total enclosure, the cement will then be gravity dropped from the silo into the cement weigh batcher. The weighed cement batch will then be gravity dropped into the rotating drums of mixer trucks. Particulate matter control of cement dust from the silo will be a vent style bag house. Aggregate and cement emissions at the truck drop point will be vented to a central dust collector through a suction shroud.

Maintenance activities will be authorized either under permit by rule or claimed under 30 Texas Administrative Code § 116.119, De Minimis Facilities or Sources. Emissions from planned startup and shutdown activities will be authorized by this permit.

Startup and shutdown emissions are included in the production emissions. Although there may be minor emissions associated with startup and shutdown, particulate emission factors used to quantify production emissions are considered to have enough conservatism to include any incidental increases that may be attributed to startup and shutdown. In addition, emissions from planned startup and shutdown of combustion units should not result in any quantifiable hourly emissions change for products of combustion. Although there may be transitional and incidental

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spikes before units stabilize during startups (5 to 15 minutes), overall products of combustion are expected to be within hourly range limits for normal loads during production operations.

### Deficiencies

Has all required information been received by the TCEQ?	<b>Yes</b>
If no, date company notified of deficient items:	<b>N/A</b>
Comments:	<b>N/A</b>
Date registration claim complete:	<b>03/11/2025</b>

### Compliance History Evaluation

A compliance history report was reviewed on:	<b>December 16, 2024</b>
Site rating & classification:	<b>N/A</b>
Company rating & classification:	<b>0.09 / High</b>
If site was rated unsatisfactory, what action(s) occurred as a result:	<b>N/A</b>

### Public Notice Information

Requirement	Date
Small Business Source?	No
Legislator letters mailed	11/12/2024
Date consolidated notice published	01/23/2025
Publication Name: <b>Dallas Observer</b>	
Pollutants: <b>PM, PM<sub>10</sub>, PM<sub>2.5</sub>, Road Dust, Aggregate, Cement</b>	
Date Alternate Language consolidated notice published (if applicable)	01/24/2025
Publication Name (Alternate Language): <b>Tex Mex News</b>	
Last Day for Public Comment	02/24/2025
Public notice tearsheet(s) received	01/28/2025
Public notice affidavit(s) received	01/28/2025
Public notice certification of sign posting/application availability received	02/25/2025

### Public Interest

Number of comments received	0
Number of meeting requests received	0
Number of hearing requests received	0
Date meeting held	N/A

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Date response to comments filed with OCC	N/A
Date of SOAH hearing	N/A

**Recommendations**

All conditions of Standard Permit satisfied?	<b>Yes</b>
Final Action:	<b>Issue</b>

*A. Enriquez*

03/11/2025  
Date

*R. Joseph Nicosia*

Team Leader  
Joe Nicosia

3/11/2025  
Date

Project Reviewer  
Ava Enriquez