

CONSTRUCTION PERMIT SUMMARY REPORT

Company Name: Smyrna Ready Mix Concrete, LLC File Number: 94-0091 EPS Initials: AJP
 Permit Number(s): 981691 (081691) Source Point Number(s): 01
 Application Received (date): 8/11/2023 Application Complete (date): 8/28/2023
 Air Quality Analysis Performed? Yes No

Briefly describe the project: (new source, modifications) (what the process is) (type controls proposed) (emissions expected, qualitative) (replacing what sources) (background information)

SIC Code 3273 – Ready-Mix Concrete

- This concrete batch plant operation (Source 01) is an existing air contaminant source. The process of this existing source involves the production of concrete using two silos (One single split silo. Each side is equipped with its own baghouse with a flowrate of 900 cfm, one for the cement side and one for the supplementary cementitious side. The second silo is also equipped with baghouse with a flowrate of 900 cfm; it is unused and not attached to the plant but is on the permit as a backup), a weigh-batcher/weigh hopper, discharge chute for truck loadout, conveyors, and other associated equipment. The concrete batch plant has a maximum production limitation of 100,000 yd³ during any calendar year period while in operation. The fabric filter at the silo vents and at the weigh-batcher/weigh hopper, and a hood at the discharge chute/truck loadout are the emission control device systems used for controlling Particulate Matter (PM) during concrete production and fugitive PM emitted from the concrete plant while in operation. The PM emissions are emitted as stack emission points at the silos, weigh-batcher, and fugitive PM from the discharge chute.

This source is to be issued a combined construction/operating permit to add the fugitive PM emissions.

RULES ANALYSIS

Title V Cond. Major Minor Source category listed in 1200-03-09-.01(4)(b)1. (i)? Yes No

| | | | | | |
|--------------------|---------------------------|--------------------------|----------------------------------|--------------------------|---|
| Reason for PSD: | New source above ____ TPY | <input type="checkbox"/> | Sig. increase in __*__ emissions | <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| Applicable NSPS: | 40 CFR Part 60, Subpart * | <input type="checkbox"/> | State Rule 1200-3-16-. * | <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| Applicable NESHAP: | 40 CFR Part 61, Subpart * | <input type="checkbox"/> | State Rule 1200-3-11-. * | <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| Applicable NESHAP: | 40 CFR Part 63, Subpart * | <input type="checkbox"/> | State Rule 1200-3-31-. * | <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |

Other Applicable State Rules

| | | | | | | | | | | | | | |
|----------------------------|----------------------|---------------|----|--------------|-------------------------------------|---|----------------------------|-----------|-----------|--------------|--------------|-------------------------------------|---|
| PM Emissions: | 1200-03- | <u>07</u> | -. | <u>04(2)</u> | <input checked="" type="checkbox"/> | N/A <input type="checkbox"/> | NO _x Emissions: | 1200-03- | * | -. | * | <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| SO ₂ Emissions: | 1200-03- | * | -. | * | <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> | Lead Emissions: | 1200-03- | * | -. | * | <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| CO Emissions: | 1200-03- | * | -. | * | <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> | Fugitive Emissions: | 1200-03- | <u>09</u> | -. | <u>03(8)</u> | <input checked="" type="checkbox"/> | N/A <input type="checkbox"/> |
| VOC Emissions: | 1200-03- | * | -. | * | <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> | _____ Emissions: | 1200-03- | * | -. | * | <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| Visible Emissions from | <u>Source</u> | not to exceed | | <u>20</u> | % opacity per Method | <u>9</u> | Rule 1200-03- | <u>05</u> | -. | <u>01(1)</u> | | | |
| Visible Emissions from | <u>Roads/Parking</u> | not to exceed | | <u>10</u> | % opacity per Method | <u>1</u> | Rule 1200-03- | <u>08</u> | -. | <u>03</u> | | | |

Comments: _____

Emission Summary

Source Number: 01

Permit Number: 981691 (081691)

Source Status: New Modification Expansion Relocation

Permit Status: New Renewal

PSD NSPS NESHAPs

Previous Permit Number: Construction _____ Operating 069080

| | Pounds/Hour | | | Tons/Year | | | | Date of Data | * | Applicable Standard 1200-03- |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|--------------|---|---------------------------------|
| | Actual | Potential | Allowable | Actual | Potential | Allowable | Net Change | | | |
| PM | 0.03 | 5.93 | 5.93 | 0.02 | 2.98 | 2.98 | | 8/11/2023 | | 07-.04(2) |
| Fugitive PM | 2.37 | 2.40 | 2.40 | 1.19 | 1.21 | 1.21 | | 8/11/2023 | | 08-.01, 08-.03, 09-.03(8) |
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* - Source of data based on the application dated August 11, 2023. Potential emission values are derived from AP-42 Chapter 11.12, Concrete Batching, Supplement to 5th Ed, 06/06. Actual and Allowable values are derived from the operating conditions based on the information provided in the application dated August 11, 2023.

PERMITTING PROGRAM: AJP DATE: November 30, 2023