

PLANT & TRANSIT MIXER TRUCK CERTIFICATION PROCESS OVERVIEW

Issues have recently arisen regarding the use of “third-party” transit mixer trucks on City of Phoenix (COP) Projects and for utility work in the COP right-of-way. “Third-party” transit mixer trucks are defined as transit mixer trucks owned and operated by firms who do not produce concrete themselves.

When “third-party” transit mixer trucks arrive on a project site, they have not been certified for concrete mixing and delivery and are in an unacceptable condition. The concrete delivered in a number of these trucks has been poorly mixed with obvious segregation. The truck owner is responsible for the safe operation, condition and certification of their vehicle and training of the driver. Certification of transit mixer trucks is required by the Maricopa Association of Governments (MAG) Standard Specifications as follows:

MAG Section 725.7.2 Transit Mixers: “Transit mixers shall meet the requirements of the Truck Mixer Manufacturer’s Bureau and the certification requirements of the Arizona Rock Products Association (ARPA) or the National Ready Mixed Concrete Association (NRMCA). Ready mix concrete shall comply with ASTM C94 except as herein specified.”

Each mixer and agitator shall have attached thereto in a prominent place a metal plate or plates, installed by the manufacturer, on which is plainly marked the capacity of the drum in terms of the volume of mixed concrete and the speed of rotation for the agitating and mixing speeds of the mixing drum or blades.

Each mixer shall have an identification number painted on the truck in such a location that it can be easily read from the batching platform.

The total volume of materials introduced into the mixer for mixing purposes shall not exceed the manufacturer’s guaranteed mixing capacity. If the concrete so mixed does not meet the uniformity requirements of this section, the amount of materials charged into the mixer shall be reduced.

The rotation speed at which the mixer shall be operated shall conform to that recommended by the manufacturer.

Each batch of concrete placed in the mixer shall be mixed for not less than 70 nor more than 100 revolutions of the drum or blades, at the speed designated by the manufacturer of the equipment as mixing speed. Additional mixing shall be at the agitating speed designated by the manufacturer of the equipment. The revolving of the drum shall be continuous until the concrete is completely emptied from the drum. Before any portion of the materials for any batch of concrete is placed therein, the drum of the mixer shall be completely emptied of the previously mixed batch.”

It is important to note that regardless of whether you choose ARPA or NRMCA to obtain your certifications, plant inspections must be performed by a registered professional engineer licensed in Arizona, while truck certifications must be performed or audited by a registered engineer licensed in Arizona. In either case, the engineer must be certified as a Ready Mixed Concrete Plant Inspector by the NRMCA. A list of qualified engineers can be found under the NRMCA section of this document.

The City of Phoenix will not recognize "self-certification" through the NRMCA or any other agency or organization. It is imperative that the third-party mixer trucks have the appropriate certifications at all times in or on the vehicles or they will be rejected immediately.

The City of Phoenix position with respect to responsibility for the concrete delivered by third party mixers is as follows:

1. If the third-party transit mixer is under the employment of a Ready-mix Producer that is supplying the concrete, the Producer is responsible for the quality - as if the delivery was being made in their own truck.
2. If the third-party transit mixer is not employed by the Ready-mix Producer but is providing concrete to the Contractor, the Contractor is responsible for the quality.

ARIZONA ROCK PRODUCTS ASSOCIATION (ARPA) CERTIFICATION

For plant or fleet certifications through the Arizona Rock Products Association (ARPA) you must be a member of the association. The other option is to contact the National Ready Mixed Concrete Association (NRMCA). They have both member and non-member rates for certification.

If you are interested in becoming an ARPA member you must apply and submit your dues payment. The ARPA Board of Directors will then vote to approve the application. Depending on when the application is submitted this process could take a few days or weeks.

Producer member dues will vary depending on the size of the company. Minimum producers and trucking/transportation companies pay a flat rate annually. Mid-level or large companies will pay based on total man hours. Dues are prorated depending on when a company's application is approved. If you would like more information on membership or our dues structure, please contact Nicole Massarand Alston at (602) 675-4404 or nicole@azrockproducts.org.

If you are an ARPA member, the following companies offer inspection services for plants and fleets.

Speedie & Associates

3331 E. Wood St., Phoenix, AZ 85040

(602) 997-6391

Donald L. Cornelison

Western Technologies

3737 E. Broadway Rd., Phoenix, AZ 85040

(602) 437-3737

Bryan Castles

Raphael Tixier

Wood E & I Solutions, Inc.

(Asphalt Plant Inspections ONLY)

3630 E Wier Avenue Phoenix, AZ 85040

(602) 437-0250

Scott Thompson

ARPA FLEET CERTIFICATIONS

Truck Certification Instructional Packet

Truck Certification Submittal Packet

Truck Reporting Spreadsheet (xls)

**ARPA CONCRETE BATCH PLANT &
HOT MIXED ASPHALT PLANT CERTIFICATIONS**

Concrete Batch Plant Certifications

Hot Mix Asphalt Certifications

NATIONAL READY MIXED CONCRETE ASSOCIATION (NRMCA) CERTIFICATION

Certification Fees

Plant Certification Fee – Every 2 years

- NRMCA member – \$100 per plant
- Non-member – \$450 per plant

Delivery Vehicle Certification Fee – Every 12 months

- NRMCA member – \$15 per vehicle
- Non-member – \$35 per vehicle

[NRMCA Plant and Truck Certification Program](#)

[NRMCA Certification of Delivery Vehicles](#)

[NRMCA Certification of Ready-Mix Production Facilities](#)

[NRMCA List of Certified Inspectors](#)

For questions regarding NRMCA's truck certification program please contact:

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EXAMPLES OF CERTIFICATIONS

