



**Arizona
Rock
Products
Association**

CERTIFICATION OF READY MIXED CONCRETE PRODUCTION FACILITIES

COMPANY American Eagle Materials		PLANT NO. 5
Plant Address or Physical Location 15151 W Hatcher Rd Waddell, AZ 85355		
Engineer J.M. Willson, P.E. Engineer Assistant Chantell J. Cornett		
Inspection Date September 29, 2022	Expiration Date September 29, 2024	

Arizona Rock Products Association
916 W Adams Street
Phoenix, Arizona 85007
Submit electronic copy of checklist to nicole@azrockproducts.org



**ARIZONA
ROCK
PRODUCTS
ASSOCIATION**

*Certificate of Conformance
for
Concrete Production Facilities*

It is hereby certified that

**American Eagle Materials, Plant #5
15151 W Hatcher Road, Waddell, AZ 85355**

has been inspected by the undersigned registered professional engineer
for conformance with requirements of the "Check List for Ready Mixed
Concrete Production Facilities." As of the inspection date, the
facilities met requirements as stated below.

Operation: Truck Mixing

Batching System: Fully Automated

Recording: Cementitious, Aggregate, Water, Admixture

Executive Director

10/05/2022

Arizona Rock Products Association

Date signed by ARPA Executive Director

09/29/2022

Inspection Date

09/29/2024

Expiration Date



This Company will maintain these facilities in compliance with the Check List requirements and will correct promptly any deficiencies which develop.

Notice: The check list indicates only that plant facilities are satisfactory for the production of concrete when properly operated. Conformance of the concrete itself with specification requirements must be verified by usual inspection methods in accordance with sales agreement.

11. CONCRETE BATCH PLANT INSPECTION REPORT

Ready Mix Supplier: <u>American Eagle Materials</u>	Date: <u>September 29, 2022</u>
Plant Number: <u>5</u>	Project Name: _____
Plant Location: <u>15151 W Hatcher Rd Waddell, AZ 85355</u>	Project Number: _____
Inspector: <u>Chantell J. Cornett</u>	Lab Number: _____

Directions for the Inspector: Place an "x" in the applicable box.

<u>MATERIALS/INGREDIENTS</u>	<u>ACCEPTABLE</u>	<u>NOT ACCEPTABLE</u>	<u>NOT APPLICABLE</u>
1. Aggregates			
a. Aggregates transported, separated, stored, stockpiled, and fed to plant correctly. ¹	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Aggregates meet applicable quality requirements. ²	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Cementitious Materials			
a. Silos are watertight without excessive leakage. Separate storage for cement and flyash.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Admixtures/Additives			
a. Admixtures protected to prevent damage from contamination and separation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Admixtures protected from freezing.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Water			
a. Adequate supply and pressure.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Adequate heating and/or chilling capacity. ³	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 <u>BATCHING PLANT</u>			
5. Scales, Plant Bins, and Weigh Batchers			
a. Scale Type: Beam -indicating <input type="checkbox"/> Dial-indicating <input type="checkbox"/> Digital-indicating <input checked="" type="checkbox"/>			
b. Scale display(s) visible to batchman at normal station.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Scales/batchers accurate within applicable tolerances. ⁴	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Scales calibrated within last 6 months.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Separate bins for fine aggregate and each applicable size of coarse aggregate.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Separate scale and weigh hopper and each applicable size of coarse aggregate.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. All weigh hoppers freely suspended from scale and charge and discharge properly.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Free moisture in aggregates taken into consideration when determining batch weights.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Water Meter, Water Batchers, or Volumetric Measuring Tank			
a. Device for measurement of added water capable of delivering required quantity within applicable tolerances and capable of dispensing in increments as small as one gallon (10lbs, if weighed).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Volumetric measuring tank equipped with a means to check calibration.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Admixture Dispensers			
a. Separate dispenser for each admixture.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Piping free of leaks and properly valved.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Dispensers calibrated within last 6 months.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Visual or gross check for batchman independent of operation of primary metering device	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Batching System⁵			
a. Batch System Type: Manual <input type="checkbox"/> Semi-Automated <input type="checkbox"/> Fully Automated <input checked="" type="checkbox"/>			
9. Recording System			
a. Recorders: Cementitious <input checked="" type="checkbox"/> Aggregate <input checked="" type="checkbox"/> Water <input checked="" type="checkbox"/> Admixtures <input checked="" type="checkbox"/>			
Recorder shall:			
b. Be properly protected.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Provide for identifying the particular batch with the corresponding delivery ticket.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Register quantity of ingredients batched.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

¹ Note 1.

² Note 1.

³ Note 2.

⁴ Note 3.

⁵ See Definitions at Final Page.

TICKETING SYSTEM

10. Delivery Ticket Checklist

a. Ready-Mix Concrete Company's Name.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Plant Number of Designation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Ticket Serial Number.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Truck Number or Designation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Purchaser Name.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Job Name and Location.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Specific Class or Designation of Concrete Mix.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Batch Size in Cubic Yards or Meters.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. Date and Time when Batch was Loaded.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. Type and Name of Specialty Admixture or Ingredient and Amount Batched.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k. Place Where Extra Water Added at Request of Receiver and his signature or initials.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The Concrete Plants satisfies the indicated criteria and is capable of producing concrete within the acceptable tolerances.

Yes ☒ No ☐

Notes:

1. Items 1a and 1b evaluated as follows:
 - a. Aggregate stockpiles located to prevent contamination and arranged to assure that each aggregate as removed from its stockpile is distinct and not intermingled with others.
 - b. Separate storage bins or compartments for each size and type of aggregate properly constructed and discharges to prevent mixing of different sizes or types.
 - c. Aggregates meet applicable specifications.
2. Adequate heating and/or chilling
 - a. Not required for plant approval.
3. Scales and Batches Accurate within Acceptable Tolerances
 - a. Applicable tolerances are consistent with information contained in the latest addition of *ASTM C 94 Standard Specifications for Ready Mixed Concrete*.

Definitions:

Manual Systems

Batching devices are operated manually. Individual batch target weights, moisture adjustments, and volumetric measuring systems are manually determined and verified by the batch operator. Discharge of the batch is performed manually by the batch operator. These systems are typically assisted by pneumatic, electric or hydraulic power, but may be hand operated.

Semi-Automated Systems

These systems provide mechanisms that start the weighing and volumetric measuring devices for the batch. These systems will stop the weight and measuring upon attaining the required batch tolerances. Discharge of the batch may be automated upon attaining acceptable batch tolerance, or may be performed manually. These systems may or may not include interlocking mechanisms for out of tolerance batches.

Fully Automated Systems

A single starting mechanism provides target weights and volumes, begins the weighing and measuring process and ends this process when the targeted batch proportions are within tolerance. Out of tolerance batches must be manually adjusted to within tolerance and/or accepted by the batch operator. Once the batch tolerances are met or manually accepted, discharge of the batch will begin automatically.

6. Verification of Inspection and Application for Certification

The undersigned, a registered professional engineer in Arizona has conducted the inspection of the ready-mixed concrete plant described as:

(state, territory, or jurisdiction)

American Eagle Materials | Plant 5 | 15151 W Hatcher Rd | Waddell, AZ 85355 USA

(Company, Plant No., and Location)

and asserts, in his/her professional judgment, the information provided on this Check List is accurate and complete to the best of his/her knowledge. Application is hereby made for the issuance of a certificate for this plant, to be classified as follows.

General Operation

- ☒ Truck Mixing
☐ Central Mixing
☐ Shrink Mixing

Batching System

- ☐ Manual
☐ Partially Automatic
☐ Semi-Automatic
☒ Fully Automatic

Recording (if any)

- ☒ Cementitious
☒ Aggregate
☒ Water
☒ Admixtures

A Certificate of Conformance cannot be issued if any of the not acceptable boxes from **CONCRETE BATCH PLANT INSPECTION REPORT (pg. 12 & 13)** are marked with an "x".

09.29.2022

(date)

720574

(NRMCA ID Number)

09.29.2022

(date)

855785

(NRMCA ID Number)

(signature of engineer)

James M. Willson, P.E.

(engineer name, please print)

Chantell J. Cornett

(signature of engineer's assistant)

Chantell J. Cornett

(engineer's assistant name, please print)

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