Arizona
Rock
Products
Association

# CERTIFICATION OF READY MIXED CONCRETE PRODUCTION FACILITIES

| COMPANY | PLANT NO. |
|---|---|
| Rock Solid Concrete | 3 North |
| **Plant Address or Physical Location**<br>6501 North Agua Fria Shore \| Glendale, AZ 85307 | |
| **Engineer**<br>J.M. Willson, P.E. | |
| **Engineer Assistant**<br>Chantell J. Cornett | |
| **Inspection Date**<br>August 31, 2022 | **Expiration Date**<br>August 31, 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

**Rock Solid, Plant #3 North**
**6501 N Agua Fria Shore, Glendale, AZ 85307**

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

*09/28/2022*

Date signed by ARPA Executive Director

Arizona Rock Products Association

*08/31/2022*

Inspection Date

*08/31/2024*

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: | Rock Solid Concrete | Date: | August 31, 2022 |
| Plant Number: | 3 North | Project Name: | |
| Plant Location: | 6501 N Agua Fria Shore \| Glendale, AZ 85307 | Project Number: | |
| Inspector: | Chantell J. Cornett | Lab Number: | |

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

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

[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. | ☒ | ☐ | ☐ |
| b. | Plant Number of Designation. | ☒ | ☐ | ☐ |
| c. | Ticket Serial Number. | ☒ | ☐ | ☐ |
| d. | Truck Number or Designation. | ☒ | ☐ | ☐ |
| e. | Purchaser Name. | ☒ | ☐ | ☐ |
| f. | Job Name and Location. | ☒ | ☐ | ☐ |
| g. | Specific Class or Designation of Concrete Mix. | ☒ | ☐ | ☐ |
| h. | Batch Size in Cubic Yards or Meters. | ☒ | ☐ | ☐ |
| i. | Date and Time when Batch was Loaded. | ☒ | ☐ | ☐ |
| j. | Type and Name of Specialty Admixture or Ingredient and Amount Batched. | ☒ | ☐ | ☐ |
| k. | Place Where Extra Water Added at Request of Receiver and his signature or initials. | ☒ | ☐ | ☐ |

**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 (state, territory, or jurisdiction) has conducted the inspection of the ready-mixed concrete plant described as:

**Rock Solid Concrete | Plant 3 North| 6501 North Agua Fria Shore | Glendale, AZ**

(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 | Batching System | Recording (if any) |
|---|---|---|
| ☒ Truck Mixing | ☐ Manual | ☒ Cementitious |
| ☐ Central Mixing | ☐ Partially Automatic | ☒ Aggregate |
| ☐ Shrink Mixing | ☐ Semi-Automatic | ☒ Water |
| | ☒ Fully Automatic | ☒ 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".

08.31.2022
(date)

(signature of engineer)

720574
(NRMCA ID Number)

James M. Willson, P.E.
(engineer name, please print)

08.31.2022
(date)

(signature of engineer's assistant)

855785
(NRMCA ID Number)

Chantell J. Cornett
(engineer's assistant name, please print)

Registered Professional Engineer (Civil) CERTIFICATE NO. 13928 JAMES MITCHELL WILLSON DATE SIGNED 09/09/22 ARIZONA U.S. Expires 12/31/2022

(Engineer's Seal)

2525 E Arizona Biltmore Circle #B128 | Phoenix, AZ 85016
(business address, please print)

(602) 628-5188 | (602) 290-9585
(phone number)

chantell@wardcornett.com | cementaz@cox.net
(email)