Arizona
Rock
Products
Association

CERTIFICATION OF READY MIXED CONCRETE PRODUCTION FACILITIES

COMPANY	PLANT NO.
Cemex	1976
Plant Address or Physical Location Camp Verde, AZ	
Engineer Michael Kohout, P.E.	
Inspection Date 09/17/2023	Expiration Date 09/17/2025

Arizona Rock Products Association

916 W. Adams Street

Phoenix, Arizona 85007

Submit electronic copy of checklist to nicole@arizonarockproducts.org

ARIZONA ROCK PRODUCTS ASSOCIATION

Certificate of Conformance for Concrete Production Facilities

It is hereby certified that

CEMEX, Plant #1976
Camp Verde, AZ

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

Arizona Rock Products Association

09/22/2023
Date signed by ARPA Executive Director

09/17/2023
Inspection Date

09/17/2025
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: Cemex Date: 09/17/2023
Plant No: 1976
Plant Location: Camp Verde, AZ Project: Number:
Inspector: Michael Kohout, P.E. 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 (Note 1)	☒	☐	☐
b. Aggregates meet applicable quality requirements (Note 1).	☒	☐	☐
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 (Note 2).	☒	☐	☐

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 (Note 3).	☒	☐	☐
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 for cementitious materials.	☒	☐	☐
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 tolerance 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. Calibrated container for verifying accuracy of measurement.	☒	☐	☐
d. Visual or gross check for batchman independent of operation of primary metering device.	☒	☐	☐
8. Batching System** See definitions below.			
a. Batch System Type: Manual Semi-Automated Fully Automated ☒			
9. Recording System (recording device which provides a permanent record of batch quantities for each batch of concrete produced.)			
a. Recorders: Cementitious ☒ Aggregate ☒ Water ☒ Admixtures ☒			
Recorders shall:			
b. Be properly protected.	☒	☐	☐
c. Provide for identifying the particular batch with the corresponding delivery ticket.	☒	☐	☐
d. Register quantity of ingredients batched.	☒	☐	☐

TICKETING SYSTEM

10. Delivery ticket provides the following information

		ACCEPTABLE	NOT ACCEPTABLE	NOT APPLICABLE
a.	Ready-Mix Concrete Company's Name	☒	☐	☐
b.	Plant number or 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 yard 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 of the concrete and his and his signature or initials.	☒	☐	☐

The referenced plant satisfies the indicated criteria and is capable of producing acceptable concrete. Yes ☒ No ☐

Notes:

1. Items 1a and 1b evaluated as follows: 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. Separate storage bins or compartments for each size and type of aggregate properly constructed and charges to prevent mixing of different sizes or types. Aggregates meet applicable specifications.
2. For information only; this item not required for approval of plant.
3. Applicable tolerances are consistent with information contained in the latest edition 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 weighing and measuring upon attaining the required batch tolerances. Discharge of the batch may be automated upon attaining acceptable batch tolerances 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.

11. Verification of Inspection and Application for Certification

This inspection was performed to evaluate the ability of the production facilities and the delivery trucks to produce and transport acceptable ready-mix concrete. The criteria used for this evaluation was drawn from a number of sources including the guidelines presented in ASTM C 94, technical information presented by the Concrete Plant Manufacturers Bureau, and customary industry and/or agency practice. The specific items evaluated for both the plant and trucks are detailed in the accompanying checklists.

Based on the identified criteria, the inspection of the above referenced plant and trucks indicate that they have the capability of producing and transporting satisfactory ready-mix concrete when operated according to the manufacturer's recommendations and standard industry practice. We would recommend that the plant be approved for use on Arizona Department of Transportation projects as well as those administered by other agencies or entities for a two-year period from date of inspection, while the acceptable trucks should be approved for a period of one year from date of inspection.

12. Verification of Inspection and Application for Certification (CONTINUED)

The undersigned, a registered professional engineer in Arizona
(state, territory, or jurisdiction)
has conducted the inspection of the ready-mixed concrete plant described as **Cemex Plant 1976 Camp Verde, AZ**
(please print specific designation and location of plant)

and asserts, in his professional judgment, the information provided on this Check List is accurate and complete. 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	☐ Semi-Automated	☒ Aggregate
☐ Both	☒ Fully Automated	☒ Water
		☒ Admixtures

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".

09/20/2023 (date)

(signature of engineer)

715178 (NRMCA ID number)

Michael Kohout, P.E. (name, please print)

(date)

(signature of engineer's assistant)

(Asst. to the Engineer NRMCA ID number)

(name, please print)

(Engineer's Seal)

Registered Professional Engineer (Civil) CERTIFICATE NO. 15600 MICHAEL L. KOHOUT As Signed 9/20/23 ARIZONA, U.S.A.

Expires: 6-30-24

556 Peakside Cir. Dripping Springs, TX
(business address, please print)

78620 (zip code)

602-809-2467 (phone number)

13. Agreement to Regularly Check Scales and Volumetric Batching Devices and Dispensers

The owner/operator of the plant described in this inspection agrees that all scales in the plant will be calibrated to required tolerances per (ASTM C 94 Standard Specifications for Ready-Mixed Concrete) at intervals not exceeding 6 months. The owner/operator also agrees that the batching accuracy of all volumetric admixture dispensers and all volumetric water batching devices (including water meters) will be checked at intervals not exceeding 6 months for conformance with batching accuracy requirements per (ASTM C 94 Standard Specification for Ready-Mixed Concrete). Any failure to meet the required batching accuracy requirements will be corrected promptly. Scales and volumetric batching devices shall be calibrated when the plant is moved or relocated.

14. References

1. Book of ASTM Standards, Volume 04.02, Concrete and Mineral Aggregates, C 94 Standard Specification for Ready- Mixed Concrete ASTM, 1916 Race Street, Philadelphia, PA 19103.

2. Concrete Plant Standards, Ninth Revision, January, 1990, Concrete Plant Manufacturers Bureau, 900 Spring Street, Silver Spring, Maryland 20910.

3. Truck Mixer and Agitator Standards. 17th Revision, March 12, 2005 Truck Mixer Manufacturers Bureau, 900 Spring Street, Silver Spring, Maryland 20910.

4. Guide for Measuring, Mixing, Transporting, and Placing Concrete (ACI 304R-00). American Concrete Institute, P.O. Box 19150, Redford Station Detroit, Michigan 48219.

5. Certification of Ready Mixed Concrete Production facilities, NRMCA , 900 Spring Street, Silver Spring, Maryland 20910