Arizona Rock Products Association

CERTIFICATION OF READY MIXED CONCRETE PRODUCTION FACILITIES

COMPANY	PLANT NO.
Cemex	1992-A
Plant Address or Physical Location	
Yuma, AZ	
Engineer	
Michael Kohout, P.E.	
Inspection Date	**Expiration Date**
01/22/2019	01/22/2021

Arizona Rock Products Association

916 W. Adams Street

Phoenix, Arizona 85007

Submit electronic copy of checklist to elaine@azrockproducts.org

ARIZONA ROCK PRODUCTS ASSOCIATION

Certificate of Conformance for Concrete Production Facilities

It is hereby certified that

CEMEX, Plant #1992-A
Yuma, 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

01/24/2019
Date signed by ARPA Executive Director

01/22/2019
Inspection Date

01/22/2021
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: 01/22/2019
Plant number: 1992-A Project Name: Plant Inspection

Plant Location: Yuma, 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 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. 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 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.

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 1992-A
(please print specific designation and location of plant)

Yuma, AZ

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

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".

01/23/2019
(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)

P.O. Box 2551
(business address, please print)

Carefree, AZ 85377
(zip code)

602-809-2467
(phone number)