

**2024 Concrete Batcher Yearly Assessment/On-Site Evaluation**

**Select one of the following:**

**Assessment:** (Active Batchers: to Be Conducted Once Per Calendar Year, and email to Roman Loshinskiy.)

**Evaluation:** (Batchers: to be conducted after Batch School, and email to Curtina Reynolds and Sandra Williams)

|  |  |
| --- | --- |
| **Batcher Name:** | **Assessment Date: Click or tap to enter a date.** |
| **Batch Certification Number:** | **Certification expiration date:** |
| **Producer Name & Location:** | **NCDOT State Plant #** |
| **For On-Site Evaluation School Date:** | **School Location:** |

The batcher must successfully complete or demonstrate the correct operations with regards to NCDOT specifications and/or policies.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Operation** | | **Trial 1** | | | **Trial 2** | | |
|  | | **Pass** | **Fail** | **N/A** | **Pass** | **Fail** | **N/A** |
| 1 | Perform fine aggregate (FA) moisture determination: |  | | |  | | |
|  | * Representative Sample obtained from area of use |  |  |  |  |  |  |
|  | * Sample correct size |  |  |  |  |  |  |
|  | * Wet weight correctly determined |  |  |  |  |  |  |
|  | * Uniformly dried to consistent mass |  |  |  |  |  |  |
|  | * Dry weight of sample correctly determined |  |  |  |  |  |  |
|  | * Calculations correctly performed (Total and Free Moisture) |  |  |  |  |  |  |
|  | * Ability to correlate moisture probe information with actual data |  |  |  |  |  |  |
|  | * Ability to adjust moisture probe information in computer (if needed) |  |  |  |  |  |  |
|  | * Ability to adjust FA moisture information in the batching system |  |  |  |  |  |  |
|  | | | | | | | |
| 2 | Perform coarse aggregate (CA) moisture determination: |  | | |  | | |
|  | * Representative Sample obtained from area of use |  |  |  |  |  |  |
|  | * Sample correct size |  |  |  |  |  |  |
|  | * Wet weight correctly determined |  |  |  |  |  |  |
|  | * Uniformly dried to consistent mass |  |  |  |  |  |  |
|  | * Dry weight of sample correctly determined |  |  |  |  |  |  |
|  | * Calculations correctly performed (Total and Free Moisture) |  |  |  |  |  |  |
|  | * Ability to adjust CA moisture information in computer |  |  |  |  |  |  |
|  | | | | | | | |
| 3 | Demonstrate the ability to complete M&T form 250 |  |  |  |  |  |  |
|  | | | | | | | |
| 4 | How many times a day moisture tests should be performed |  |  |  |  |  |  |
|  | | | | | | | |
|  | | **Pass** | **Fail** | **N/A** | **Pass** | **Fail** | **N/A** |
| 5 | Routine duties: |  | | |  | | |
|  | * Verify the producer & source (Mix Design/actual) for Cement |  |  |  |  |  |  |
|  | * Verify the producer & source (Mix Design/actual) for Pozzolan |  |  |  |  |  |  |
|  | * Verify the producer & source (Mix Design/actual) for Fine Aggregate |  |  |  |  |  |  |
|  | * Verify the producer & source (Mix Design/actual) for Coarse Aggregate |  |  |  |  |  |  |
|  | * Verify the source (Mix Design/actual) for Water (Well or Municipal Source) |  |  |  |  |  |  |
|  | * Verify the producer & type (Mix Design/actual) for Admixture |  |  |  |  |  |  |
|  | * Determine maximum water allowed on NC DOT concrete |  |  |  |  |  |  |
|  | * Verify Max allowed slump |  |  |  |  |  |  |
|  | * Max/Min amount of concrete allowed to be batched into mixer (agitator) |  |  |  |  |  |  |
|  | * Verify Truck Mixers (Agitators) doesn’t have any wash water or any other materials in the drum |  |  |  |  |  |  |
|  | * Keeping aggregate stockpiles above SSD condition all the time. |  |  |  |  |  |  |
|  | | | | | | | |
| 6 | Verify that quantities of approved Mix Design materials match design weight of appropriate materials in the batching system. |  |  |  |  |  |  |
|  | | | | | | | |
| 7 | Perform Concrete batching operation (if sending to an NCDOT project). |  |  |  |  |  |  |
|  | | | | | | | |
| 8 | Demonstrate the ability to complete M&T Form 903 |  |  |  |  |  |  |
|  | | | | | | | |
| **Overall Score (Pass or Fail):** | |  |  |  |  |  |  |
|  | | | | | | | |

|  |
| --- |
| Comments: |

I certify that I have not helped, coached, or in any way interfered with the batcher during this Evaluation.

Evaluator: \_ Date: **Click or tap to enter a date.**

|  |  |
| --- | --- |
| OFFICE USE ONLY | |
| Date Evaluation received: |  |
| Date certificate granted: |  |

**MOISTURE IN AGGREGATES**

**Fine Aggregate:**

***Trial 1*** Time: \_     \_

Wet Wt. \_     \_ **Minus** Dry Wt. \_     \_

* **------------------------------------------------------------------------------------------------------------------------------------------------------------------------ =** \_     \_ **X** 100 = \_     \_ % Total Moisture

Dry Wt. \_     \_

* Total Moisture \_     \_ **Minus** Absorbed Moisture \_     \_ = \_     \_ % Free Moisture

***Trial 2***Time: \_     \_

Wet Wt. \_     \_ **Minus** Dry Wt. \_     \_

* **------------------------------------------------------------------------------------------------------------------------------------------------------------------------- =** \_     \_ **X** 100 = \_     \_ % Total Moisture

Dry Wt. \_     \_

* Total Moisture \_     \_ **Minus** Absorbed Moisture \_     \_ = \_     \_ % Free Moisture

**Coarse Aggregate:**

***Trial 1***  Time: \_     \_

Wet Wt. \_     \_ **Minus** Dry Wt. \_     \_

* **------------------------------------------------------------------------------------------------------------------------------------------------------------------------- =** \_     \_ **X** 100 = \_     \_ % Total Moisture

Dry Wt. \_     \_

* Total Moisture \_     \_ **Minus** Absorbed Moisture \_     \_ = \_     \_ % Free Moisture

***Trial 2***Time: \_     \_

Wet Wt. \_     \_ **Minus** Dry Wt. \_     \_

* **------------------------------------------------------------------------------------------------------------------------------------------------------------------------- =** \_     \_ **X** 100 = \_     \_ % Total Moisture

Dry Wt. \_     \_

* Total Moisture \_     \_ **Minus** Absorbed Moisture \_     \_ = \_     \_ % Free Moisture

Certified Technician:  Certification No.