

DEPARTMENT OF TRANSPORTATION

Concrete Plant Inspection Checklist

Contractor _____

Location/Plant ID _____

Inspector _____

Date _____

1. Make sure you have all your proper PPE
2. First must check in at the plant with Contractor's Plant Operator
3. Make sure loader operators are aware you will be inspecting the site
4. Verify they have approved mix design(s)
5. Last date plant was checked and calibrated to NRMCA Specifications _____
6. Date plant was certified by Licensed Engineer _____

Aggregate Storage and Handling

- Stockpiles are managed and separated to prevent cross contamination
- No signs of segregation in piles
- Are loaders operating in the stockpile and not digging into base material/soil
- Aggregate stockpiles are being watered regularly
- Are aggregate moistures being checked and how often _____

Cementitious Material Storage

- Are cement materials silos sealed and weather-tight
- Is the system preventing intermixing or contamination of materials
- Are material levels being maintained and monitored

Admixture Storage and Dispensing

- Are admixtures stored per manufacturer recommendations (temperature, protection from freezing)
- Are storage tanks or containers clearly labeled
- Are measuring and dispensing systems clean, working and calibrated

Batching Equipment

- Are scales and meters for cement, water, aggregates, and admixtures calibrated
- Last calibration date: _____
- Clean water source is being used
- Is batching equipment functioning properly
- Are batch weights and proportions matching the approved mix design

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Mixing System

- Central mixer maintained and in good condition
- Mixing time and sequences are controlled and monitored
- For dry batching, is ready mix driver putting the proper revolutions on the truck
- Observe for uniform mixing, no signs of segregation or dry pockets
- Are drum or pan mixer blades in good condition and free of buildup
- Is discharge consistent and unobstructed
- For portable ready mix plants was ASTM C94 completed (wet portable batch plants by independent Licensed Engineer), and if so, date it was performed _____

Weigh scales

- Are scales certified and date of certification _____

Control Room/Ticketing

- Verify control system is functional/Plant can produce specified mix proportions
- Is the moisture content being accounted for in the batch proportioning
- Ticketing matches mix design and project requirements
- Are ticketing systems/E-Ticketing working properly and providing accurate batch information

Truck/Transportation

- Trucks are clean and free from hardened concrete or foreign materials
- Are trucks being checked for excess water prior to loading

Overall Plant Site and Operations

- Good overall housekeeping and plant site organization

Notes: