

## Concrete Plant Tester Certification Class Agenda 2023-2024

### Instructors

**Brad Swenson**

Cell: 218-232-1012

[bradley.s.swenson@state.mn.us](mailto:bradley.s.swenson@state.mn.us)

**Mike Daniels**

Cell: 320-293-9421

[michael.daniels@state.mn.us](mailto:michael.daniels@state.mn.us)

### Timing, attendance, and breaks

Class days are from 8:00 a.m. to 4:30 p.m. Attendance will be taken in the morning and afternoon. There will be short breaks throughout the day and an approximately 1-hour lunch break around 12:00 noon.

### Day 1: Classroom

- Introductions
  - Instructors
  - Housekeeping Issues
  - Concrete Plant Tester Certification Requirements
  - Basic Focus of Concrete Plant Tester Course
  - Purpose of Concrete Plant Tester Manual
  
- Unit 1: Doing Business with MnDOT
  
- Unit 2: Concrete Basics
  
- Unit 3: Mix Designations
  
- Unit 4: Aggregates

### Day 2: Classroom

- Unit 5: Moisture Content
  
- Unit 6: Electronic Documentation
  
- Unit 7: Certificate of Compliance

- Unit 8: Producer Responsibilities
- Unit 9: Agency Responsibilities
- Classroom Packet Exercises
- Wrap up
  - Course evaluation
  - Information about the written exam

### **Deadlines (see the course webpage for more information):**

1. The **written exam** will open for you at the end of the last day of class. You must complete the exam within one week after it is open for you, meaning the same day the following week.
2. The **Aggregate Production Tester** certification is a prerequisite for **Concrete Plant Tester (CPT)** certification. CPT Certification will not be awarded until the successful completion of the Aggregate Production Tester certification course.

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View the Technical Certification Program website at [mndot.gov/technical-certification](http://mndot.gov/technical-certification) for information about: our program and certification process, class registration, course materials and program documents, construction resources, exams, Technical Certification Card, and help and contacts.

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This Technical Certification course focuses on fundamental information about ready-mix concrete and the key methods used to sample the concrete components, conduct test procedures, and document test results to ensure these materials meet roadway and bridge construction quality requirements.

As part of this course, participants will be utilizing electronic documents to demonstrate how to properly record test results and other required information into the electronic documents used in the Certified Ready-Mix Plant Program. The electronic documents used in this course can be found on the MnDOT Concrete Engineering website (<http://www.dot.state.mn.us/materials/concrete.html>) under the Ready-Mix link (<http://www.dot.state.mn.us/materials/certifiedrm.html>). The electronic documents that will be covered in detail for Concrete Plant Tester include:

- Aggregate Gradation Control Charts and Sample Log
- Concrete Ready-Mix plant QC Workbook
- Concrete Ready-Mix plant QA Workbook
- Contact Report – Ready-Mix & Paving Addendum

It is recommended to have the ability to download these electronic documents before or during the scheduled training session to perform hands on “virtual” documentation of test results that will be provided in the Classroom Packet.

The Classroom Packet can be found and downloaded at <https://www.dot.state.mn.us/technical-certification/courses/cptc.html>