

APPENDIX B02

CEMENTITIOUS MATERIALS PRODUCER QUALITY CONTROL PLAN CHECKLIST

Instructions:

1. This checklist will be used by the Department during the evaluation of Quality Control (QC) Plans submitted by Cementitious Materials Producers. The checklist may also be used as a guideline for creating a QC Plan to be submitted to the Department.
2. Refer to FDOT Standard Specifications Section 105 for more information regarding the submission of a Producer QC Plan. Requirements in the QC Plan Item column of the checklist are from Section 105 unless otherwise stated.
3. The information section above the checklist is designed to record general production facility information. Producers may use it as a template for identifying information on the cover page of the QC Plan.

Company: _____ FDOT ID: _____

Physical Address: _____

City: _____ State: _____ Zip Code: _____ County: _____

Decimal Latitude / Longitude Coordinates: _____ / _____

Mailing Address (if different from above): _____

City: _____ State: _____ Zip Code: _____ County: _____

Primary Contact: _____ Phone #: _____

Email Address: _____

QC Plan Date: _____

QC Plan Item	Y/N	Pg. #
1. Company / Personnel		
<i>A. Plant Identification</i>		
1) Parent company included?		
2) Designed production/storage capacity included?		
3) List of all distribution terminals (with contact information) provided?		
<i>B. Qualifications</i>		
1) List of qualified personnel (QC manager, plant manager, plant operators, testing technicians) included?		
2) Roles and responsibilities of personnel involved in the quality control process identified?		

QC Plan Item	Y/N	Pg. #
2. Raw Materials		
<i>A. Source / Storage</i>		
1) Sources of raw materials identified?		
2) Type, source, and target quantity of any limestone additions or processing additions included?		
3) Method for storing raw materials, including measures taken for preventing segregation, contamination and degradation described?		
4) System for controlling non-conforming raw materials, including procedures for identification, isolation, and disposition described?		
3. Plant and Production Requirements		
<i>A. Production Equipment</i>		
1) Calibration frequencies, maintenance schedule and procedures for production equipment described?		
4. Product Sampling		
<i>A. Sampling Procedure</i>		
1) Method and frequency for the sampling and testing throughout the production process described?		
2) Sampling location and accessibility described?		
3) Method of identification of production samples described?		
4) Location and duration of sample storage described?		
5) Methods and measures for identifying and controlling non-complying products described?		
5. Test Reports / Certification		
1) Copy of test report(s) included?		
<i>A. Coal ash (as applicable)</i>		
1) Statement of compliance that coal ash meets the uniformity requirements for specific gravity and fineness, per ASTM C618 included?		
<i>B. Metakaolin (as applicable)</i>		
1) Statement of compliance that metakaolin meets the requirements for Section 929 and ASTM C618 Class N pozzolan with the following modifications: (Section 929)		

QC Plan Item	Y/N	Pg. #
a) SiO ₂ + Al ₂ O ₃ + Fe ₂ O ₃ is at least 85%?		
b) Loss of Ignition (LOI) is less than 3%?		
c) Equivalent Na ₂ O less than 1.0%?		
d) Strength Activity Index at 7 days at least 85%		
C. Statement of Compliance		
1) Statement of compliance with all quality requirements set forth by the Department Specifications included?		
D. Testing Laboratory		
1) Approved lab that performs QC testing for mill certificate/test report identified? (Sections 921, 929)		
2) Copy of most recent CCRL inspection report for QC testing lab provided? (Sections 921, 929)		
3) Copy of most recent CCRL proficiency sample results for QC testing lab provided? (Sections 921, 929)		
6. Final Manufactured Product		
A. Storage		
1) Plant layout diagram including storage location of raw materials, final products, and flow chart showing the manufacturing process?		
2) Methods and measures for monitoring stored finished products described?		
B. Loading and Shipping Control		
1) Methods and measures to prevent contamination and degradation during storage and loading of finished products included?		
2) Methods of loading and delivery of products described?		
7. Additional Requirements / Documentation		
A. Statement allowing Department representatives access to the production facility to inspect the production process and products included?		
B. The type of product(s) being produced for the Department listed?		
C. Copy of bill of lading(s) included?		

QC Plan Item	Y/N	Pg. #
<i>D. Document Storage</i>		
1) Method for uniform reporting, reviewing and record keeping described, including material certifications, test reports, deficiencies found?		
2) Location of document storage identified to enable Department review?		

Last Updated: November 1, 2023