

Company Name:

PLANT NUMBER:

YEAR:

Plant Quality Control Plan

Quality Control Plan Administrator
Name
Contact Information

Reviewed By:

Reviewed Date: _____

Approved By: _____

Approval Date: _____

Quality Control Plans for Plants Template

Reference: MD Standard Specifications for Construction and Materials & SPI's,
Sections GP, 504, 904, 915

1. Plant Description
 - a. Plant Type (Drum/Batch)
 - b. Plant Address
2. Plant Laboratory
 - a. Qualified Personnel/Contact Information/Card#/Exp. Date
(Scanned Copy)
 - b. Current OMT or AMRL approval
3. Laboratory Inspection
 - a. Performed Every Two Years
 - i. Certification Posted in Laboratory
4. Plant Inspection
 - a. Performed Yearly – Verified by OMT
 - i. Certification is Posted at Plant
 - b. Drum plant by MSMT 453
 - c. Batch plant by AASHTO M-156
5. Truck Scales
 - a. Calibration Frequency
 - b. Testing Agency - Copies on File
6. Plant Weighing/Measuring Devices
 - a. Calibration Frequency
 - b. Testing Agency - Copies on File
7. Aggregate Stockpiles
 - a. Construction Method
 - i. Separation/Labeling
 - ii. Segregation Control
 - iii. Moisture Control if Applicable
 - b. Testing (Method/Frequency)
8. RAP Stockpile
 - a. Construction Methods of Non Contaminated Stockpile
 - b. Sampling/Approval – MSMT 412
Weekly Stockpile Testing
9. Plant Mix Temperatures
 - a. Plant Monitor/Control
 - b. Temperature checks

10. Binder
 - a. Storage
 - b. Hauling
 - c. Sampling (include location)
 - d. Source Change – Notification/Start-up Testing
 - e. List how corrective action will be taken

11. Asphalt Mix Design
 - a. Responsibility
 - b. Verification
 - c. TSR
 - i. Test Method – MSMT 410
 - ii. List corrective action to be taken

12. Asphalt Mix Sampling
 - a. Test results, entered into MD Ware for pay factor evaluation, are required to be derived from samples taken from behind the paver. Data derived from plant samples must be properly labeled with the letter “P”, and must not be included for pay factor evaluations
 - b. Split Samples – AASHTO T-328
 - i. Method (Mechanical/Quartering)
 - c. Plant Check – Not for Pay
 - d. Sampling Frequency
 - i. Low Tonnage (< 200 Tons)
 - ii. > 200 Tons
 - iii. As directed by the Project Engineer

13. Mix Gradation
 - a. Test Method

14. Asphalt Content
 - a. Test Method– Ignition Oven/Extraction

15. Maximum Specific Gravity
 - a. Test method

16. Volumetric Properties
 - a. Test methods

17. Mix Diagnostic and Corrective Action Plan
 - a. Items to Address: #13-16

18. Field Density – Laboratory Core Testing
 - a. Test Method – MSMT 457
 - b. Storage Method

- c. Retention Time – Until Pay Factor is Received and/or Disputes Resolved (*Cores must be held for resolution*)
Note: Once the Pay Factor is received, any disputes must be submitted within 10 business days.

19. Records and Paperwork – MD Standard Specs. 504.03

- a. Maintain and make available to the Engineer upon request complete records (including hand written worksheets) of sampling, testing, actions taken to correct problems, and quality control inspection results. Provide copies of the reports when requested.
Note: Records & Paperwork Retention Time - Three Years (General Provisions-7.36)
- b. Control charts
- c. Next day Production Report

20. Truck Loading

- a. Visible loading signs
- b. Loading Method

21. Tack Coat – MSMT 460

Note: If not applicable, must appear in Field QC Plan

- a. Type(s) to be used
- b. Source(s)
- c. How will tack be delivered to plant?
- d. Tack storage (circulating tank, insulated tank, tanker truck at plant)
- e. Statement on QC Plan: Certificate of Analysis will be supplied with every new load of tack coat to SHA project.

22. Tack Coat Demo

Note: If not applicable, must appear in Field QC Plan

- a. Statement on QC Plan: Demonstration that proper application rate of tack coat can be achieved before truck is used on SHA projects.

23. Warm Mix Capabilities (if applicable)

- a. Plant Approved for SHA use of WMA?
- b. Mixes SHA approved? YES/NO
- c. Type: Foamed, Additive, etc.

24. Anti-Strip – ASTM D4867 (if applicable)

- a. Type/Brand
- b. Dosage Rate

It is hereby certified that the information contained in this Quality Control Plan meets the requirements of Maryland Standard Specifications.

Respectfully Submitted,

Company Name:

Signature:

First & Last Name:
Q.C. Plan Administrator