

## ANNUAL ASPHALT MIX PLANT QUALITY CONTROL PLAN

YEAR \_\_\_\_\_

COMPANY: \_\_\_\_\_

LOCATION: \_\_\_\_\_

A TDOT Certified Plant Technician is required to be present at the plant anytime mix is being produced for TDOT projects. All QC sampling and testing shall be done by a Certified Plant Tech. List QC personnel that are TDOT Certified Plant Technicians:

Name: \_\_\_\_\_ Cert. No. \_\_\_\_\_

TDOT Standard Specification 407.03.D.3 requires the contractor to submit their plan of quality control annually, which details the plan for sampling, testing, and inspection actives and the frequencies of each. This plan applies to all contracts between the contractor and the Department for the calendar year. Any change to the plan must be communicated to the Regional Materials Engineer. (Required minimum QC tests from SOP 1-1 are indicated in bold; enter NA for any sample/test/inspection that does not apply to this plant)

### Frequency of Sampling, Testing and Inspections:

Sampling/Testing/Inspection	QC Frequency	TDOT Acceptance Frequency
Determine gradation of new material		
Determine stockpile gradation <b>[SOP 1-1, QC minimum : at startup, randomly afterward]</b>		
Determine stockpile moisture <b>[SOP 1-1, QC minimum: daily]</b>		
Inspect Stockpiles for separation, contamination, segregation, etc		
Conduct a fractured face count (gravel only)		Once per project
Determine percent of glassy particles (slag only)		Once per project
Determine gradation and AC% of RAP / RAS <b>[SOP 1-1, QC minimum: per 2000 T RAP]</b>		
Calibrate Cold Gate Settings		
Inspect cold feed operation for uniformity		
Inspect dividers between cold bins		
Inspect pyrometer for aggregate temperature control		

Sampling/Testing/Inspection	QC Frequency	TDOT Acceptance Frequency
Inspect efficiency of the burner		
Determine the percent dust coating the +4 materials		
Inspect dried aggregate for contamination due to incomplete combustion		
Calibrate AC metering device		
Check accuracy of AC metering device		
Calibrate aggregate weighing devices		
Check accuracy of aggregate weighing devices		
Calibrate Anti-strip metering device		
Check accuracy of Anti-strip metering device		
Batch Plants: Verify weight to be pulled from each bin meets JMF		
Batch Plants: Verify mixing time		
Batch Plants: Verify operation of weigh bucket and scales		
Drum Plants: Prepare control chart for each cold gate		
Drum Plants: Develop information for synchronization of the aggregate and AC feeds		
Drum Plants: determine moisture content of aggregate being feed into dryer		
Determine % AC of mix (except Base mixes)		Once per 1000 T
Determine mix gradation		Once per 1000 T
Check mix temperature		Every 5 <sup>th</sup> Truck
Determine moisture of mix (RAP mixes) <b>[SOP 1-1, QC minimum: daily]</b>		
Determine LOI		Daily
Check mix for uncoated aggregate		
Inspect mix for segregation due to handling		
Air Voids <b>[SOP 1-1, QC minimum: twice daily]</b>		Start up
Volumetric Properties <b>[SOP 1-1, QC minimum: start up]*</b> <b>See SOP 1-1 for project requirements</b>		Start up
Boil Test		Daily
Bituminous Materials (all types)		Weekly

Submitted by \_\_\_\_\_

Regional Materials Engineer: \_\_\_\_\_