

**STATEWIDE CRITICAL REQUIREMENT LIST – FISCAL YEAR 2013/2014**  
**Quality Assessment Category Number 7A**  
**Asphalt Plant / Lab**

1. The Verification Technician is aware of and verifying that the Contractor is following all aspects of his Producer QC Plan. Verify that all equipment calibrations are being performed at the specified intervals identified in the Producer QC Plan (including but not limited to gyratory internal angle, gyratory pressure and height, and Gmm vacuum). Additionally, verify that Contractor Control Charts and LIMS entry is updated daily. A lab review shows that the above test results are documented and plotted on the Control Charts, which are posted in the lab. Verify that RAP stockpiles are approved by the District Bituminous Engineer. Verify that the materials listed on the mix design are being used to produce the mix in the correct proportions. Verify that mix temperature meets specification requirements. Verify that all samples are properly labeled, taped and signed, and stored properly. [Spec. 320-2, 320-6]
2. The Verification Technician is aware of and enforcing the requirements that when an individual QC test result of a subplot for air voids, or the average subplot density, do not meet the requirements of the Table 334-5 (Master production range), then the LOT shall be automatically terminated and the production of the mixture shall be stopped until the problem is adequately resolved. The material represented by the failing test result shall be evaluated in accordance with 334-5.9.5. If two consecutive QC tests for gradation ( $P_{-200}$ ) or A/C content do not meet the requirements of Table 334-5, or two core densities within a subplot are less than 91% of  $G_{mm}$  (for coarse mixes), the LOT will be automatically terminated and production of the mixture stopped until the problem is adequately resolved and the material represented by the failing test result shall be evaluated in accordance with 334-5.9.5. [Spec. 334-5].
3. The Verification Technician is aware of and enforcing the requirements for low Pay Factor (PF) materials as follows: If an individual PF falls below 0.90, steps shall be taken to correct the situation and the actions shall be reported to the Engineer. When two consecutive PFs or the Composite PF (CPF) falls below 0.90, production shall be stopped. If the CPF is less than 0.80 and greater than or equal to 0.75, the material shall be evaluated per 334-5.9.5. If the CPF is less than 0.75, the material will be removed and replaced unless otherwise approved by the Engineer to remain in place. A review of lab records verifies that all the input data for the calculation of the Pay Factors are correct and the low PF materials are handled in accordance with 334-5.9.5. [Spec. 334-5]
4. Verification Technician is aware of and performing the split sample verification testing in accordance with Specs 334-5.5 and 334-5.5 to determine the validity of the Contractor's QC test results for LOT acceptance. Those verification test results are documented in the Asphalt Plant Worksheet, Form 675-030-25. A discussion with the technician and a review of lab records verifies this. [Spec. 334-5].