



POLICY AND PROCEDURE DIRECTIVE

James P. Delton
Assistant State Engineer

TO: ALL MANUAL HOLDERS	PPD NO. 2
SUBJECT: CERTIFICATION AND ACCEPTANCE OF CHEMICAL AND AIR-ENTRAINING ADMIXTURES FOR PORTLAND CEMENT CONCRETE	EFFECTIVE DATE: February 27, 2009

1. GENERAL

1.1 This Policy and Procedure Directive supersedes P.P.D. No. 96-1.

1.2 This Policy and Procedure Directive outlines the procedure to be followed for certification and acceptance of chemical and air entraining admixtures for portland cement concrete.

1.3 This Policy and Procedure Directive modifies the normal certification procedures. It shall be used in conjunction with the requirements of Subsection 106.05 of the Specifications.

2. REQUIREMENTS

2.1 To be acceptable for use by the Department, a chemical admixture or an air-entraining admixture must be listed on the ADOT Approved Products List.

2.2 The approval process shall include the manufacturer submitting satisfactory test results for the product, indicating that it meets the specification requirements of ASTM C 494 (for chemical admixtures) or ASTM C 260 (for air-entraining admixtures). Testing shall be conducted by an independent laboratory. The test results, accompanied by a Material Safety Data Sheet and the manufacturer's product data sheet, along with all required documentation, shall be submitted to the Arizona Transportation Research Center (ATRC) for approval/disapproval through the PRIDE program.

2.3 The submittal of a Certificate of Compliance from the manufacturer will be required in conjunction with having the product on the ADOT Approved Products List. The certificate shall clearly state the period of time in which all of the production of the particular product meets the appropriate specification and that formulation of the product has not changed during this period. This period of time shall be limited to twelve months prior to the date of signature on the certificate. This document shall be submitted to Materials Group, Structural Materials Testing Section, and retained for record.

3. PROCEDURES

3.1 The construction project or area laboratory shall verify that chemical admixtures and/or air-entraining admixtures shown on the concrete mix design also appear on the ADOT Approved Products List.

3.2 Sampling by the project or area laboratory and testing of the admixtures is not necessary. However, the Department reserves the right to sample and test for acceptance at any concrete batch plant without notice.

3.3 Obtaining a Certificate of Compliance by the project or area laboratory is not necessary.

3.4 The project or area laboratory shall physically verify at the batch plant that the admixtures described on the mix design are present and being used.



James P. Delton, P.E.
Assistant State Engineer
Materials Group