

State of Louisiana
Department of Transportation and Development (DOTD)
Materials and Testing Section Approved Materials Procedure
for

ASPHALTIC MATERIALS

MATERIAL SPECIFICATION REFERENCE:

DOTD Standard Specifications, Section 1002, Supplemental Specifications and Special Provisions.

APPROVED MATERIAL EVALUATION SUBMITTAL:

The manufacturer shall submit a completed Approved Materials Evaluation Submittal to the DOTD Materials and Testing Section Coordinator listed below.

PRELIMINARY REQUIREMENTS:

The complete submittal must include:

- Complete Approved Materials Evaluation Form
- Letter requesting evaluation of the material
- Product Data Sheets
- Safety Data Sheet (SDS)
- Manufacturer's specifications
- Material type and percent polymer (if polymer modified)
- Certificate of Analysis
- Sample (see sample details below)
- Facility Quality Control Plan

NOTE: Evaluation will not begin until all required items listed above are received by the Materials Laboratory.

Certifications and/or Test Reports

For asphalt cements, a temperature versus viscosity curve shall be furnished with recommended mixing and compaction temperatures.

For asphaltic materials submitted for evaluation, the supplier shall submit a notarized Certificate of Analysis (CA) reporting actual test results.

PRELIMINARY REQUIREMENTS CONTINUED:

Sample (to be furnished at no cost to the Department)

The material shall be sampled in accordance with DOTD S201. The quantities required are as follows:

- Asphalt Cements – one (1) qt. friction top can
- Cutback Asphalts – one (1) qt. screw top can
- Emulsified Asphalts – one (1) gal. plastic bottle
- Polymerized Asphalt Cements – one (1) quart friction top can
- Emulsified Polymerized Asphalts – one (1) gallon plastic bottle
- Polymer – one (1) pint friction top can

TEST REQUIREMENTS:

Laboratory Testing

Approved material samples shall be tested in accordance with the applicable test procedures shown in DOTD Standard Specifications Section 1002.

For plant blended polymer modified asphalt cements, qualification samples shall be taken during production of polymer modified asphaltic concrete and shall meet specification requirements before source approval is given.

Facility Inspection

A facility inspection may be required in order to ascertain process and quality control capabilities of the refinery or plant blending operations.

Evaluation Time (2 months)

GENERAL:

Upon completion of the evaluation, the submitter will be notified in writing concerning the results of the evaluation and whether the material will or will not be added to the Approved Materials List (AML). The DOTD Materials and Testing Section Coordinator shall be notified in writing of any change from the original material submittal. The Department reserves the right to re-evaluate any material or individual material at any time. A CA of the material shall be submitted annually to the DOTD Materials and Testing Section Coordinator to remain on the AML.

It is also the manufacturer's responsibility to supply the contact information of the representative responsible for the material to the Materials Section Coordinator to remain on the AML. This is done by completing the Approved Materials Evaluation Form every two years or when there is a change in the manufacturing representative responsible for the material.

PROJECT ACCEPTANCE REQUIREMENTS:

The inclusion of any material on the AML is not blanket approval for its use. All materials, regardless of prior approval, shall be sampled in accordance with the Materials Sampling Manual.

DISQUALIFICATION AND REMOVAL:

Any material may be removed from the AML at any time. Causes for removal from the AML may include, but are not limited to the following:

- Non-conformance with specifications
- Performance requirements
- Failure to notify the Department of any change in material formulation.
- Failure of the supplier to provide proper certifications as required by this procedure
- Failing test results obtained by the Materials Section of project verification samples.
- Failure to supply current contact information for the material representative in accordance with this procedure.

REQUALIFICATION:

Any material which has been disqualified and/or removed from the AML will be considered for re-evaluation only after submission of a formal request along with acceptable evidence that the problems causing the disqualification and/or removal have been resolved.

DOTD MATERIALS AND TESTING SECTION COORDINATOR

Paul Garneau, E.I.
Special Testing Engineer Intern
DOTD Materials and Testing Section
5080 Florida Blvd.
Baton Rouge, LA 70806-4132
(225) 248-4102
Paul.Garneau@la.gov

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BRIAN OWENS, P.E.
DOTD MATERIALS ENGINEER ADMINISTRATOR