AASHTO NTPEP

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What is NTPEP?

- Established within AASHTO in 1994, as a technical service program, who reports to the Standing Committee on Highways (SCOH)

- Combines the professional and physical resources of the AASHTO member departments in order to evaluate materials, products and devices of common interest for use in highway and bridge construction

- Primary Goal- provide cost-effective evaluations for the state Departments of Transportation (DOT)
What NTPEP is NOT

- NTPEP does NOT evaluate “New Products” being introduced by industry for the first time
- NTPEP does NOT pass or fail products
- NTPEP does NOT replace the Quality Assurance activities of state DOT’s OR manufacturers
- NTPEP does NOT supersede State Requirements for product approval. Any state can require additional testing of the product prior to approval.
  - If such additional testing is required, the state can appeal to NTPEP for inclusion into the Testing Program.
NTPEP’s Mission

- **Simplify** the product evaluation process
- Make it more **cost-effective** for both the manufacturer and state end user
- **Reduce duplication** of efforts by State DOTs
- Serve as a “**One Stop Shop**” for Manufacturers of engineered products
NTPEP & State DOT Members

- Voting member from each state to guide NTPEP’s mission

- Product-specific technical committees within NTPEP include interested state DOT members and industry representatives

- The NTPEP audits and evaluations reports serve as tools available free of charge to every state’s transportation agency.
  
  – AASHTO/NTPEP does NOT dictate how and what data to use or set as specifications for product approval or qualification. This is a decision and choice within each agency.
Transportation products & materials manufacturers submit their products to be “evaluated”

Evaluation results become available to registered DOT members on DataMine (data.ntpep.org)

Industry representatives invited to submit ideas, suggestions for improvement, and general feedback to each program
24 Technical Committees
- 21 different products are evaluated
- 8 different products are audited and evaluated

635 products have been submitted in DataMine since Jan. 1, 2016

160 Audits are scheduled to be completed in 2016

AASHTO has received annual contributions from FY16 from 47 states
How NTPEP Works

- Products are evaluated according to nationally recognized test methods (e.g. AASHTO, ASTM) specified by the members of that Technical Committee in the Work Plan.
- When standards do not exist, the NTPEP Technical Committee convenes and establishes test protocols through ballot consensus process.
- Testing Service Fees assessed to industry cover actual costs for field and lab testing of products.
- Contributions from AASHTO members and apportionment of industry fees sustain NTPEP.
Construction Technical Committees

**Construction Products - Evaluations**
- Asphalt Release Agents
- Concrete Admixtures
- Concrete Curing Compounds
- Epoxy and Resin Based Adhesive Bonding Systems
- Portland Cement Concrete Joint Sealants
- Warm Mix Asphalt Technologies

**Construction Products - Audits**
- Corrugated Metal Pipe
- Erosion Control Products
- Elastomeric Bridge Bearing Pads
- Geosynthetics
- Guardrail/Guiderail
- High Density Polyethylene Plastic Pipe
- Polypropylene Pipe
- Polyvinyl Chloride Drainage Pipe
- Reinforcing Steel/Welded Wire Reinforcement
Traffic Safety Products - Evaluations
- Pavement Marking Materials
- Portable Changeable Message Signs & Flashing Arrow Panels
- Raised Pavement Markers/Snowplowable Raised Pavement Markers
- Sign Sheeting Materials/Roll Up Signs
- Temporary Traffic Control Devices

Maintenance Products - Evaluations
- Polymer Concrete Overlays
- Hot Mix Asphalt Crack Sealant
- Rapid Set Concrete Patch Materials
- Structural Steel Coatings/Concrete Coating Systems
Industry Participation

- American Traffic Safety Services Association (ATSSA)
- Geosynthetics Materials Association (GMA)
- Society of Protective Coatings (SSPC)
- Plastic Pipe Institute (PPI)
- National Corrugated Steel Pipe Association (NCSPA)
- Erosion Control Technology council (ECTC)
- Concrete Reinforcing Steel Institute (CRSI)
- American Concrete Pipe Association (ACPA)
New Technical Committees/Task Forces

- New Technical Committees
  - Epoxy and Resin Based Adhesive Systems
  - Guardrail/Guiderail
  - Elastomeric Bridge Bearing Pads
  - Warm Mix Asphalt Technologies

- NTPEP Product Implementation Task Force
  - Annual Survey for new product interest
  - Currently exploring:
    - Truncated Domes/Detectable Warnings
    - Portland Cement and Pozzolans
NTPEP’s DataMine Website

- The “nucleus” of NTPEP
- Data Repository for evaluation results
- Accessible to all individuals with a valid state transportation agency email
After registering and logging in:

1. Select a product:
   - Asphalt Release Agent

2. Select criteria and search. “Any” will bring all products submitted up.
This specific example is still undergoing testing

Once reviewed and approved by lead state and manufacturer – results become available to all registered state users

Manufacturer may choose to “withdraw” product
States would still be able to see results
AASHTO Member users can view the unique identification codes for each compliant manufacturer in a PDF file by clicking here. The Concrete Coatings Evaluation Reports are also found here.

Allows you to access:
1.) Current Work Plan for each product
2.) Data for products submitted prior to 2011
3.) Meeting Minutes
4.) Contact Information for TC Members
5.) Pre-Audit and Audit Worksheets

www.ntpep.org
List of AASHTO NTPEP staff member assigned to each TC – contact them for questions!

Who to contact for questions!

Work Plan that outlines testing
Each **contributing** state gets to send 1 representative

Every technical committee’s chair and vice chair gets to attend **free of charge**

An opportunity to meet, collaborate, and network with your counterparts across the country

2017 Annual Meeting:

- Sunday, March 12\(^{th}\) - Thursday, March 16\(^{th}\), 2017
- Boston, Massachusetts
- Registration through the NTPEP website, [www.ntpep.org](http://www.ntpep.org)
Ideas on How to Incorporate NTPEP into your QA Program

- For products that are part of NTPEP and used in your state:
  1. Review Work Plan
  2. Review DataMine
  3. Consider cost savings

- Get in touch with a state that participates and requires NTPEP evaluations!
Questions?

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