NTPEP Overview

Baton Rouge River Center
Baton Rouge, LA
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NTPEP Manager

“AASHTO’s Win-Win Solution for Government and Industry”
What is NTPEP?

• An AASHTO Engineering Technical Services Program which pools the physical and professional resources of member DOTs to evaluate products of common interest.

• Products are evaluated with AASHTO and ASTM-specified tests.

• When standards do not exist, the NTPEP Oversight Committee convenes and establishes evaluation protocols through AASHTO-ballot (consensus)
Key & Critical Objectives of NTPEP

To provide quality and responsive engineering for the testing and evaluation of products, materials, and devices that are commonly used by the AASHTO Member Departments of Transportation.
“In 1994, NTPEP was created from the successful Regional Testing Facility concept developed by the SASHTO and NASTO states, primarily for evaluation of traffic safety devices.”

“Under the banner of AASHTO, NTPEP’s scope expanded nationally and grew to include a wide array of construction materials.”
The Evolution of NTPEP

1994 / 1995
- Program is established. NTPEP Coordinator handled 5 product areas;

1997 / 1998
- NTPEP starts testing “construction materials” and expands “traffic safety device” evaluations -- 9 product categories;

2001/2002
- With addition of Assoc. NTPEP Coordinator, program expands to testing of 15 product categories;

2003/2004
- Begin using paid professionals in addition to volunteers for testing.
Committee Structure:

CHAIRMAN – Bill Temple (LA) Chief Highway Engineer
VICE CHAIR – Tom Baker (WA) State Materials Engineer

Members of Administrative Task force
- Jim McGraw (Minnesota)
- David Kuniega (Pennsylvania)
- Henry Lacinak (Louisiana)
- Robert Sarcinella (Texas)

NTPEP reports directly to the AASHTO Standing Committee on Highways (SCOH).

NTPEP employs 2 full-time AASHTO Staff Engineers to administer and serve the NTPEP Oversight Committee.

March 1, 2007

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A Profile of the NTPEP Oversight Committee

AASHTO – Standing Committee on Highways
- Subcommittee on Materials
- Subcommittee on Maintenance
- Subcommittee on Construction
- Subcommittee on Traffic Engineering
- Subcommittee on Design

AASHTO – Standing Committee on Research
- Research Advisory Committee

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Safety and Traffic Operations Products:

- Pavement Marking Materials
- Sign Sheeting Materials
- Raised Pavement Markers & Adhesives
- Plowable Raised Pavement Markers
- Flexible Delineators
- Workzone Barrels (Drums)
- Flashing Arrowboards & Portable Changeable Message Signs
- Roll-Up Signing Materials
Construction and Maintenance Materials:

- Geotextiles
- Rapid-Set Concrete Patching Materials
- Structural Steel Coating Systems
- Joint Sealers
- Rolled Erosion Control Products
- Concrete Admixtures
- Concrete Curing Compounds
- Plastic Pipe
Over 400 products were submitted for NTPEP testing in 2006;

There are 125 State engineers and technicians who conduct testing on behalf of NTPEP;

In 2006, 12 field test decks and 13 lab test locations operated nationwide through NTPEP.

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Sign Sheeting Material

66 products were submitted for testing in 2006.

The total testing costs for this program = $150,000.

Lead States

Laboratory Testing

States Currently Hosting Test Decks

冷，干燥，海拔

冷，半湿润，海拔

热，潮湿，海湾

(冷，半湿润，海拔)

(热，干燥，UV)

(热，潮湿，海湾)

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70% of States have an active role in the affairs of NTPEP.
NTPEP DataMine

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Reference
The reference section allows users to view and download NTPEP reference documents. The reference documents are classified by year, thus providing access to previous as well as latest references.

Search
Search for the specific sign-sheeting product by selecting appropriate properties of the product. Select attributes like Manufacturer, Color, Component used or even you can search products based upon their reflectivity or color data.

Explore
Explore reports of specific SSM Products. Reports are organized by each Test Deck site as well as they are organized by comparative charts for the product properties.

Visualize
Draw x-y Color graphs as well as property vs. time graphs for SSM Products. Specifications can be overlayed on the graph to provide you visual clarity if a product satisfies the standards or not.

Export
Interested in further analysis of NTPEP's SSM Data? Download selected data as Microsoft Excel spreadsheet or Microsoft Access database.

Administration
NTPEP's participating state DDTs can import new data in master database. Lead state can Review and release new data.

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Other Activities

- Plant Certifications for HDPE Plastic Pipe and Reinforcing Steel
- Working with ITE and NEMA to incorporate evaluations of LED’s
- Peer Exchanges
- NTPEP Annual Meeting – Boise, ID – May 7-11, 2007 – The Grove Hotel
For more information about AASHTO’s Product Evaluation Services, contact:

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