

# NATIONAL TRANSPORTATION PRODUCT EVALUATION PROGRAM (NTPEP) AUDIT PROGRAM OVERVIEW

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AASHTO

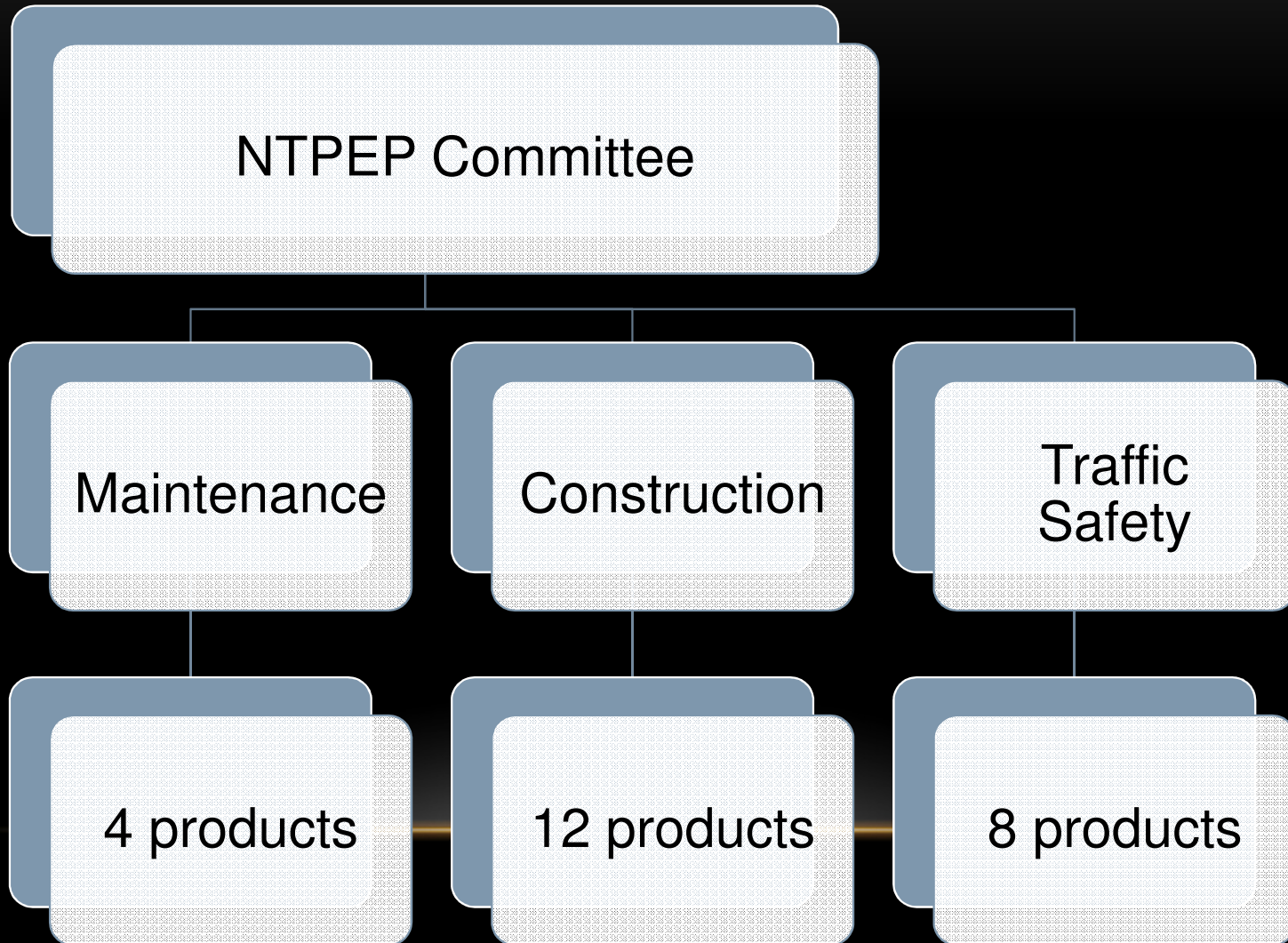
AMERICAN ASSOCIATION OF  
STATE HIGHWAY AND  
TRANSPORTATION OFFICIALS

**AASHTO**  
THE VOICE OF TRANSPORTATION

**NTPEP**   
NATIONAL TRANSPORTATION PRODUCT EVALUATION PROGRAM

- What is NTPEP?
- Who participates in NTPEP?
- Requirements of each NTPEP Audit Program
- How to view and access audit documentation and test data
- How to utilize this program in your state
- 2014 Annual NTPEP Meeting

# CATEGORIES OF NTPEP



Guardrail

Erosion Control Products

NTPEP Committee

Audit

Elastomeric Bridge Bearing Pads

Reinforcing Steel

Pipe

Geotextiles

Rebar

WWR

HDPE

PVC

Polypropylene

# WHAT IS NTPEP?

- Product Evaluation and Audit Program
  - By combined and collective resources, AASHTO state members can more efficiently perform laboratory and field testing on products used in the transportation system.
- Source of Data
  - Unbiased product data generated by laboratory test methods and field test deck evaluations adopted from national standards or developed by AASHTO members.

## WHAT IS NTPEP?

- Value
  - Data generated can be utilized by states as a means of populating the Approved/Qualified Products Lists.
  - It is possible for a state member to use all or part of the NTPEP information generated.

## What NTPEP is NOT?

- NTPEP does NOT evaluate “New Products” being introduced by industry for the first time
- NTPEP does NOT replace the Quality Assurance activities of state DOT's
- NTPEP does NOT supersede State Requirements for product approval.

# PARTICIPANTS OF NTPEP

Technical Committee	Number of Industry Participants (Manufacturers)
HDPE Pipe	44
PVC Pipe	3
Polypropylene Pipe	6
Rebar	36
WWR	18
Geotextiles	23

- AASHTO Member Departments contribute \$12,000 annually to NTPEP.
  - In 2013, 45 states paid their annual contribution
- The results obtained from a data usage survey (currently being completed by all AASHTO member departments) will be available on the NTPEP website ([www.ntpep.org](http://www.ntpep.org)) in early January 2014.



# REQUIREMENTS OF EACH NTPEP AUDIT PROGRAM

- Each Program requires the following:
  - AASHTO performs a desktop review for each facility every 5 years. Each desktop review includes reviewing the following information:
    - Testing Personnel
    - Standard Specifications
    - Size and Type of Material Produced by facility
    - Product Information
    - Identification Markings
    - Test Reports
    - Quality Management System
      - **Review over 15 aspects of the Quality Management System**

# Each facility has to have an annual on-site audit

- The following items are reviewed during every NTPEP on-site audit:
  - ASTM/AASHTO specifications
  - Training and Competency Evaluation Records
  - Equipment Calibration Records
  - Records of Internal Audits and Management Reviews
  - Traceability of raw material to final product
  - Review of test reports
  - Demonstration of Test Methods
  - Review of Markings on each product
  - Obtaining samples for split sample testing
  - Reviewing labels on each final product
  - Walkthrough of manufacturing process
  - Sample/Yard Inspection
  - Collection of Raw Material Certificates



- If deficiencies are noted during on-site audit, the facility has 15 business days to submit a corrective action report for each deficiency to AASHTO after they receive their final audit report. (Corrective Action Reports are available in DataMine)
- Each facility has 14 days after the completion of the on-site audit to submit their internal split sample test results. (Split Sample Comparison Test Reports are available in DataMine)
- The Certificate of Compliance is uploaded into DataMine for each facility once all deficiencies have been resolved and the split sample test results are satisfactory

# REQUIREMENTS SPECIFIC TO NTPEP AUDIT PROGRAM FOR GEOTEXTILES

- Each prime manufacturer and private labeler are able to participate in Program
- If a private labeler wants to participate in Program, their prime supplier(s) must be audited and found to be compliant prior to their on-site audit being scheduled
- All private labeled and prime geotextiles are required to be re-evaluated every 3 years. A manufacturer can not have a product evaluated through NTPEP without having their facility audited.
- All prime manufacturers are required to print a unique identification code (given by AASHTO) every 5 meters on each of their NTPEP approved products.

# HOW TO VIEW AND ACCESS AUDIT DOCUMENTATION AND TEST DATA

Wednesday, October 16, 2013



**NTPEP DataMine**

- Home
- Login**
- Register
- Help

**Home**

NTPEP DataMine 2.0 is the online repository of data and audit reports for all NTPEP services. This database provides the tools for performing queries that will assist you in analyzing and reporting on current and past NTPEP evaluations. The application allows NTPEP Testing Facilities and Auditors to enter real time data online. Also our industry partners and the NTPEP administration may review product information and preliminary reports online for timely reporting of all evaluations.

The Technical Committees that are responsible for developing the work plans and overseeing the evaluations and audits are divided into the three categories below: Traffic Safety, Construction and Maintenance. The product listing within the categories indicates the products or processes that are evaluated through product testing or manufacturing audits.

**To view data** that has been released through the program public review, simply click on the product listing below. After clicking on the product listing, click "Data" located in the left hand column for the page.

**To submit a product** you must register and login to do so.

Some data that has been released is restricted to view by State Transportation Agency representatives. **To view restricted data** you must register and login to do so. Please register for all Technical Committees you are interested in viewing test data and audit results for. Your registration will require approval by an AASHTO administrator. Please contact Greta Smith <mailto:gsmith@ashto.org> if you require this approval.

Traffic Safety	Construction	Maintenance
Pavement Marking	Asphalt Release Agent	PCC Joint Sealants and HMA Crack Sealers
PCMS/Flashing Arrow Panels	Concrete Admixtures	Rapid Set Concrete Patch Materials

Step 1: Log onto the NTPEP DataMine website,  
<http://data.ntpep.org>

NTPEP DataMine	Home
Home	<p>NTPEP DataMine 2.0 is the online repository of data and audit reports for all NTPEP services. This database provides the tools for performing queries that will assist you in analyzing and reporting on current and past NTPEP evaluations. The application allows NTPEP Testing Facilities and Auditors to enter real time data online. Also our industry partners and the NTPEP administration may review product information and preliminary reports online for timely reporting of all evaluations.</p> <p>The Technical Committees that are responsible for developing the work plans and overseeing the evaluations and audits are divided into the three categories below: Traffic Safety, Construction and Maintenance. The product listing within the categories indicates the products or processes that are evaluated through product testing or manufacturing audits.</p> <p><b>To view data</b> that has been released through the program public review, simply click on the product listing below. <u>After clicking on the product listing, click "Data" located in the left hand column for the page.</u></p> <p><b>To submit a product</b> you must register and login to do so.</p> <p>Some data that has been released is restricted to view by State Transportation Agency representatives. <b>To view restricted data</b> you must register and login to do so. <u>Please register for all Technical Committees you are interested in viewing test data and audit results for.</u> Your registration will require approval by an AASHTO administrator. Please contact Greta Smith <a href="mailto:gsmith@aaasho.org">mailto:gsmith@aaasho.org</a> if you require this approval.</p>
My DataMine	
Preferences	
Help	
Log Out	

Traffic Safety	Construction	Maintenance
Pavement Marking	Asphalt Release Agent	PCC Joint Sealants and HMA Crack Sealers
PCMS/Flashing Arrow Panels	Concrete Admixtures	Rapid Set Concrete Patch Materials
Raised Pavement Markers (Plowable or Non-Plowable) <span style="background-color: orange; color: white; font-size: small;">new</span>	Concrete Curing Compounds	Structural Steel Coatings
Roll Up Signing Materials <span style="background-color: orange; color: white; font-size: small;">new</span>	Erosion Control Products	
Sign Sheeting Material	Geosynthetic Reinforcement (REGEO) <span style="background-color: orange; color: white; font-size: small;">new</span>	
Temporary Traffic Control Devices	Geotextiles and Geosynthetics	
	HDPE Plastic Pipe	
	Reinforcing Steel (REBAR and WWR)	
	PVC Pipe	
	Polypropylene Pipe <span style="background-color: orange; color: white; font-size: small;">new</span>	

Step 2: Click on the technical committee you want to review audit documentation for



NTPEP DataMine	Overview
Home	<b>This site is currently Active.</b>
My DataMine	Plastic pipe is intended for surface and subsurface drainage applications where soil provides suport to its flexible walls. Its major use is to collect or convey drainage water by open gravity flow, as culverts, storm drains, etc.
Preferences	
Help	Currently, NTPEP is auditing HDPE (High Density Polyethylene) Thermoplastic Pipe manufacturerers, which includes split sample testing. Audit and test protocols are described in the "Project Work Plan." All audit requirements conform with the latest version of AASHTO Standard Specifications (M 252 and M 294).
Log Out	
<b>PIPE</b>	The NTPEP Technical Committee responsible for authoring the Project Work Plan convenes yearly at the NTPEP National (Annual) Meeting. During this working meeting, the Project Work Plan is discussed, changes made, and shortly thereafter balloted for adoption. Improvements are immediatly implemented in the next available audit tour. When compared to other standards development exercises, the NTPEP process is agile, effective and efficient.
Map	
<b>Search</b>	Manufacturers who wish to submit products should <a href="#">Register</a> and <a href="#">Login</a> to do so.
Audit Results	<b>To search for facilities</b> who submitted a request for an audit, please visit the <a href="#">Search</a> section of the NTPEP website.
Status Report	<b>To view the Facility Audit Status</b> , please visit the interactive <a href="#">Map</a> that shows the physical location of the Audit Facility by using Google Map.

Step 3: Click on Search to select a specific facility to review audit documentation

## NTPEP DataMine

Home  
My DataMine  
Preferences  
Help  
Log Out

## PIPE

Map  
Search  
Audit Results  
Status Report

## Search

The Search area provides a comprehensive functionality to look up and identify facilities based upon different criteria.

## Make Desired Selections to View Required Data

NTPEP #:

Audit Year:

Manufacturer:

Facility Location:

Search

## Search Results: Showing 1 - 100 of 266 Result(s)

This section displays all the individual items that are a part of any accepted product evaluation application. These items include products, systems and facilities.

Step 4: Choose from the following criteria to begin your search: Audit Year, Manufacturer, Facility Location and then click Search



- NTPEP DataMine
- Home
- My DataMine
- Preferences
- Help
- Log Out

- PIPE
- Map
- Search
- Audit Results
- Status Report

## Search

The Search area provides a comprehensive functionality to look up and identify facilities based upon different criteria.

### Make Desired Selections to View Required Data

NTPEP #:

Audit Year:

Manufacturer:

Facility Location:   
108 West Highway 7,  
Prinsburg, MN, 56281

Search

### Search Results: Showing 1 - 1 of 1 Result(s)

This section displays all the individual items that are a part of any accepted product evaluation application. These items include products, systems and facilities.

NTPEP Number	Manufacturer	Facility Location	Status	Data	Action
<a href="#">PIPE-2013-01-006</a>	Prinsco Inc.	Prinsburg, MN	Public	<input type="text" value="Audit Info"/> Audit Info Facility Info Test Info	<input type="text" value="Go"/> Assign <input type="text" value="Go"/>

Step 5: Your search results will appear in a table below. Once you see the facility location you are searching for, click on Audit Info and then click Go.

## NTPEP DataMine

Home  
My DataMine  
Preferences  
Help  
Log Out

## PIPE

Map  
Search  
Audit Results  
Status Report

## Audit Management

[Search](#) > Audit Management

This section allows users to add, edit Facility Audit Data.

## Facility Information

Manufacturer Name:	Prinsco Inc.
Submittal Year:	2012
Facility Location:	Prinsburg, MN
NTPEP Number:	PIPE-2013-01-006

[Audit Reports](#)

## Add Audit Information

## Audit Information

Please type in the Audit Information.

Audit Type:

Scheduled Audit



Status:

Step 6: Click on Audit Reports

**NTPEP DataMine**

- Home
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- Preferences
- Help
- Log Out

**PIPE**

- Map
- Search
- Audit Results
- Status Report

[Search](#) > [Audit Management](#) > [Audit Reports Management](#)

**Facility Information**

Manufacturer Name: Prinsco Inc.

Submittal Year: 2012

Facility Location: Prinsburg, MN

Audit Year: 2013

NTPEP Number: PIPE-2013-01-006

<input type="checkbox"/> Report Title	Report Type	File Name
<input type="checkbox"/> <a href="#">Preaudit Documentation - 8/14/13</a>	Pre_Audit Documentation	Prinsco - Prinsburg, MN - Final Pre-Audit - 7-31-13.pdf
<input type="checkbox"/> <a href="#">Audit Report - 8/21/13</a>	Final Report	Prinsco - Prinsburg, MN - Audit Report 2013.pdf
<input type="checkbox"/> <a href="#">Split Sample Report - 12 inch - RETEST</a>	Split Sample Result	Prinsco - Prinsburg, MN - 12 Inch - RETEST.pdf
<input type="checkbox"/> <a href="#">Split Sample Report - 4 inch</a>	Split Sample Result	Prinsco - Prinsburg, MN - 4 Inch.pdf
<input type="checkbox"/> <a href="#">Corrective Action - Section 10</a>	Corrective Action	Prinsco - Prinsburg, MN - Section 10.pdf
<input type="checkbox"/> <a href="#">Quality Manual - March 2013</a>	Quality Manual	Prinsco (March 2013).pdf
<input type="checkbox"/> <a href="#">Certificate of Compliance-10/8/13</a>	Certificate of Compliance	Certificate for Prinsco-Prinsburg, MN.pdf

The documents associated with this specific audit will then be listed. Click on the Report title of each document to open each file.

Facility Name	Audit Year	Audit Status	M 252 Status (Sample Tests Results)	M 294 Status (Sample Tests Results)	
<b>Manufacturer Name: ADS/Hancor</b>					
Wooster, OH	2013	Completed	Awaiting Test Results	Awaiting Test Results	
Brazil, IN	2013	Compliant	Compliant	Compliant	
Fairmont, MN	2013	Compliant	Compliant	Compliant	
Muncy, PA	2013	Completed	Awaiting Test Results	Awaiting Test Results	
North Salt Lake City, UT	2013	Compliant	Compliant	Compliant	
London, OH	2013	Compliant	Compliant	Compliant	
Olympia, WA	2013	Compliant	Compliant	Compliant	
Byram, MS	2013	Compliant	Compliant	Compliant	
Madera, CA	2013	Compliant	Compliant	Compliant	
Mendota, IL	2013	Compliant	Compliant	Compliant	
Hamilton, OH	2013	Compliant	N/A	N/A	
Eagle Grove, IA	2013	Compliant	Compliant	Compliant	
Perry, GA	2013	Compliant	N/A	Compliant	
Yoakum, TX	2013	Compliant	N/A	Compliant	
<b>Manufacturer Name: Advanced Drainage Systems, Inc</b>					

Note: A Status Report is also available for the Rebar and WWR manufacturers, PVC pipe manufacturers, and Polypropylene pipe manufacturers







Mike Robert

NTPEP DataMine
<a href="#">Home</a>
<a href="#">Preferences</a>
<a href="#">Help</a>
<a href="#">Log Out</a>

### Home

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PCMS/Flashing Arrow Panels	Concrete Admixtures	Rapid Set Concrete Patch Materials
Raised Pavement Markers (Plowable or Non-Plowable) <small>new</small>	Concrete Curing Compounds	Structural Steel Coatings
Roll Up Signing Materials <small>new</small>	Erosion Control Products	
Sign Sheeting Material	Geosynthetic Reinforcement (REGEO) <small>new</small>	
Temporary Traffic Control Devices	Geotextiles and Geosynthetics	
	HDPE Plastic Pipe	
	Reinforcing Steel (REBAR and WWR)	
	PVC Pipe	



Friday, January 25, 2013



Mike Robert

NTPEP DataMine

- Home
- Preferences
- Help
- Log Out

GTX

- Overview
- Search
- Data

Overview

This site is currently Active.

Geosynthetics are materials manufactured from various types of polymers used to enhance, augment and make possible cost effective environmental, transportation and geotechnical engineering construction projects. They are used to provide one or more of the following functions: separation, reinforcement, filtration, drainage and liquid barrier.

Geotextiles are typically defined as flexible, textile-like fabrics of controlled permeability used to provide all of the above functions, except liquid barrier, in soil, rock and waste materials. It should be noted that natural fibre geotextiles (e.g. using jute) are manufactured in some parts of the world and these products are also considered to fall within the geotextile classification.

NTPEP is also studying use of geocomposite drains and geogrids. Geogrids are generally described as stiff or flexible polymer grid-like sheets with large apertures used primarily as reinforcement of unstable soil (and waste masses.)

The growth of these geosynthetic materials in Transportation, Geotechnical and Environmental related applications has been dramatic. Total use and sales of these materials are regularly increasing at rates of 10% to 20% per year in each of the above categories. (Source: International Geosynthetics Society, [IGS](#))

Manufacturers who wish to submit products should [Register](#) and [Login](#) to do so.

To view reports which have been released for Public review through the program for data prior to 2011, please visit the [Reports](#) section of the NTPEP website.

To search for products submitted, please visit the [Data](#) section of the NTPEP website.

Step 1: Select "Data" to review the product test data and access the audit documentation





Friday, January 25, 2013

# NTPEP

NATIONAL TRANSPORTATION PRODUCT EVALUATION PROGRAM



Katheryn Malusky

### NTPEP DataMine

- [Home](#)
- [My DataMine](#)
- [Preferences](#)
- [Help](#)
- [Log Out](#)

### GTX

- [Overview](#)
- [Search](#)
- [Data](#)

### Data

This area provides comprehensive features for looking up Product data based on submittal year or product manufacturer.

### Data by Manufacturer/Submittal Year

View By:

Manufacturer  
Manufacturer  
Submittal Year

Manufacturer:

Show

Step 2: Choose a Manufacturer Name or Submittal Year to review product test data and/or audit documentation, and then click on "Show"



**NTPEP DataMine**

- Home
- My DataMine
- Preferences
- Help
- Log Out

**GTx**

- Overview
- Search
- Data

**Data**

This area provides comprehensive features for looking up Product data based on submittal year or product manufacturer.

**Data by Manufacturer/Submittal Year**

View By:

Manufacturer:

**Search Results: Showing 1 - 33 of 33 Result(s)**

This section displays all the individual items that are a part of any accepted product evaluation application. These items include products, systems and facilities.

NTPEP Number	Manufacturer	Product Name	Status	Data	Action
<a href="#">GTx-2012-01-047</a>	TenCate Geosy...	180N	Public	Product <input type="button" value="Go"/>	Assign <input type="button" value="Go"/>
<a href="#">GTx-2012-01-045</a>	TenCate Geosy...	140NC	Public	Product <input type="button" value="Go"/>	Assign <input type="button" value="Go"/>
<a href="#">GTx-2012-01-044</a>	TenCate Geosy...	Mirafi HP 270	Public	Product <input type="button" value="Go"/>	Assign <input type="button" value="Go"/>
<a href="#">GTx-2012-01-043</a>	TenCate Geosy...	Mirafi 140NL	Public	Product <input type="button" value="Go"/>	Assign <input type="button" value="Go"/>

Step 3: Select "Test" in the dropdown menu of the Data column and click on "Go"

NTPEP DataMine

- Home
- My DataMine
- Preferences
- Help
- Log Out

GTX

- Overview
- Search
- Data

Test Management

This section allows users to add, edit and delete data from GTX test.

Product Information

Submittal Year: 2012  
 NTPEP Number: GTX-2012-01-042  
 Manufacturer Name: TenCate Geosynthetics North America  
 Product Name: Mirafi MPV500  
 Style: Mirafi MPV500  
 Structure: NP-NW (Needle Punched Non-Woven)

Test Attributes

Report#:   
 Public Date:    
 Drop Date:

Save

- Grab
- Trapezoidal Tear
- 50mm Puncture
- Permittivity
- Apparent Opening Size
- Mass/Area
- UV Stability

Grab				
Specimen	ASTM D4632			
	MD		XD	
	Strength(lbs)	Strain (%)	Strength(lbs)	Strain (%)
Mean	128	63	115	104
COV %	21.7	13.5	13.1	9.8
MARV	101	50	101	50

Paste Save

Audit Documents

Document Type	
Quality Manual	
Audit Report	
Audit Report	
Pre-Audit Application	
Pre-Audit Application	
Certificate of Compliance	
Correct Action Report	
Certificate of Compliance	

Back

Step 4: Click on each of the tabs to view test data for that specific product. To view the Audit Documentation, click on the green arrow for the document you want to open and review.

# NTPEP WEBSITE, WWW.NTPEP.ORG

**NTPEP**



NATIONAL TRANSPORTATION PRODUCT EVALUATION PROGRAM

Allows you to access:

- 1.) Current Work Plan
- 2.) Data for products submitted prior to 2011
- 3.) Meeting Minutes  
Contact Information for TC Members
- 4.) Pre-Audit and Audit Worksheets

## Transportation Product Evaluation Program

NTPEP Web Site

Home

- Home
- **Technical Committees**
- Documents
- NTPEP DataMine
- Member Services
- **Members Only**

AASHTO



AASHTO Member users can view the unique identification codes for each compliant manufacturer in a PDF file by clicking here

### Cycles for Products/Audits

- **Sign Sheeting Materials/Roll Up Signs** - cycle closes on 2/15/2013
- **Asphalt Release Agents** - cycle closes on 3/15/2013
- **Erosion Control Products** - cycle closes on 3/15/2013
- **Structural Steel Coatings** - rolling submission cycle
- **Geotextiles & Geosynthetics** - rolling submission cycle

### NTPEP Annual Meeting Pittsburgh, PA April 21 - 24

Registration and the draft agenda are [available now](#).

### New Task Forces

### NTPEP Contacts

- **Greta Smith** (202) 624-5815  
[gsmith@aaashto.org](mailto:gsmith@aaashto.org)
- **Katheryn Malusky** (202) 624-3695  
[kmalusky@aaashto.org](mailto:kmalusky@aaashto.org)
- **Evan Rothblatt** (202) 624-3648  
[erothblatt@aaashto.org](mailto:erothblatt@aaashto.org)
- **Lindsay Brown** (202) 624-8563  
[lindsay.brown@aaashto.org](mailto:lindsay.brown@aaashto.org)



Join a Committee



NTPEP Annual Meeting



News and Announcements

# HOW TO UTILIZE THIS PROGRAM IN YOUR STATE

- Reference the NTPEP List
- Use the NTPEP List in developing your DOT List
- Use the data to supplement your DOT Quality Control Data

# 2014 ANNUAL NTPEP MEETING

- Begins on Sunday, May 18<sup>th</sup> and concludes on Thursday, May 22<sup>nd</sup>, 2014 at the Hyatt Regency Downtown in Greenville, SC
- Registration opens on Tuesday, December 2<sup>nd</sup> 2013. A link will be available on the NTPEP website ([www.ntpep.org](http://www.ntpep.org))
- Please submit any items/topics you would like to discuss during the technical committee sessions to Katheryn Malusky *by Tuesday, April 1, 2014*

# QUESTIONS?

Katheryn Malusky

Associate Program Manager, NTPEP

Email: [kmalusky@aaashto.org](mailto:kmalusky@aaashto.org)

Phone Number: 202-624-3695

AMERICAN ASSOCIATION OF  
STATE HIGHWAY AND  
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