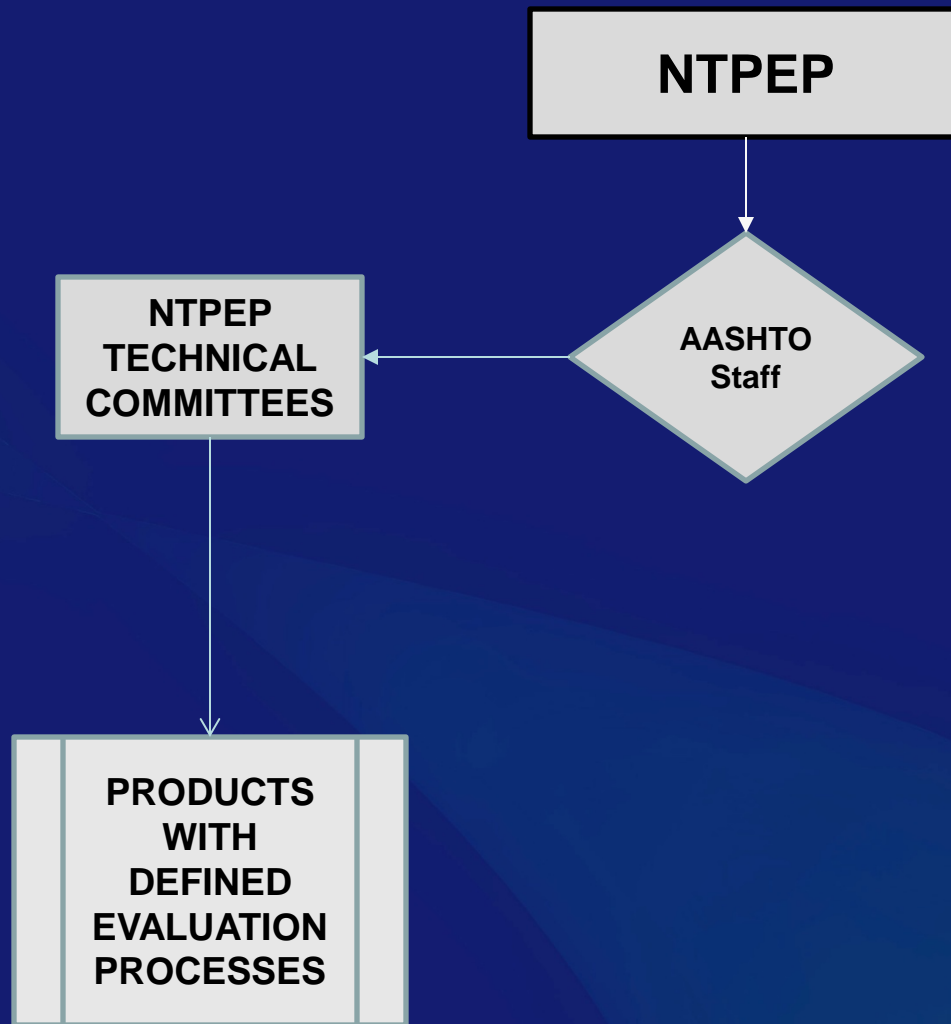


Overview of the NTPEP AASHTO Technical Service Program

Katheryn Malusky
Program Manager for NTPEP





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)

Audit Programs

- Erosion Control Products (ECP-SRD)
- Elastomeric Bridge Bearing Pads (EBB)
 - Geosynthetics (GTX & REGEO)
 - Guardrail (GRL)
 - Thermoplastic Pipe (HDPE; PPP; PVC)
- Reinforcing Steel/Welded Wire Reinforcement (REBAR/WWR)

Construction Evaluations

- Asphalt Release Agents (ARA)
- Concrete Admixtures (CADD)
- Concrete Curing Compounds (CCC)
- Epoxy and Resin Based Adhesive Bonding Systems (ERB)
- Portland Cement Concrete Joint Sealants (JS)
- Warm Mix Asphalt (WMA)

Traffic Safety Evaluations

- Pavement Marking Materials (PMM)
- Portable Changeable Message Signs & Flashing Arrow Panels (PCMS/FAP)
- Raised Pavement Markers/Snowplowable Raised Pavement Markers (RPM/SRPM)
- Sign Sheeting Materials/Roll Up Signs (SSM/RUP)
- Temporary Traffic Control Devices (TTCD)

Maintenance Evaluations

- Polymer Concrete Overlays (PCO)
- Hot Mix Asphalt Crack Sealant (CS)
- Rapid Set Concrete Patch Materials (RSCP)
- Spray Applied Non-Structural Pipe Liners (SAPL)
- Structural Steel Coatings/Concrete Coating Systems (SSC/CCS)

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
- 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- In Focus

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

How Does NTPEP Function?

- **Products are evaluated according to nationally recognized test methods (e.g. AASHTO, ASTM)**
- **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**

Top 5 Reasons Why DOTs Should Consider Using NTPEP Data to Populate QPL

- **Evaluation criteria meets national standards**
- **Products are tested side by side**
- **All submitted products have undergone highly rigorous test regimen under DOT control**
- **NTPEP evaluations validate product benefits OR discloses “defects”**
- **Peer networking provides valuable feedback when comparing product versus policy/practice**

AASHTO Member Benefits of Utilizing NTPEP

- **Costs Savings**
- **Staff Time Savings**
- **Quality Assurance**
- **More Sophisticated Testing**
- **Quick and Predictable Product Evaluation Schedules**
- **Reduced User Cost to Traveling Public**
- **Access to More Products**

NTPEP's Current Status

- 24 Technical Committees
 - 21 different products are evaluated
 - 8 different products are audited and evaluated
- To date, 450 products have been submitted in DataMine since Jan. 1, 2015
- 160 Audits are scheduled to be completed in 2015
- AASHTO has received the annual NTPEP contribution for FY15 from 47 states



New Technical Committees/Task Forces

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

Reinforcing Steel Audit Program (WWR and Rebar)

Reinforcing Steel Audit Program

- Annual Audit (desktop review every 5 years)
 - Yard Walkthrough
 - Quality Control Testing (preparation of split samples)
 - Review of Documentation

Reinforcing Steel Audit Program

- The following documents are in DataMine (<http://data.ntpep.org>)
 - Final Audit Report
 - Corrective Action Reports
 - Quality Manual
 - Pre-Audit Application

NTPEP

AASHTO

NATIONAL TRANSPORTATION
PRODUCT EVALUATION PROGRAM

Katheryn Malusky

NTPEP DataMine

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Reinforcing Steel

[Map](#)
[Search](#)
[Audit Results](#)
[Status Reports](#)

Status Report

Filter:

Facility Name	Audit Year	Audit Status
---------------	------------	--------------

Manufacturer Name: Alabama Wire Products Inc.

Elizabethtown, KY, US	2014	Compliant
-----------------------	------	-----------



Manufacturer Name: Alliance Wire & Steel, Inc.

San Antonio, TX, US	2014	Compliant
---------------------	------	-----------



Manufacturer Name: Alton Steel Inc

Alton, IL, US	2014	Compliant
---------------	------	-----------



Manufacturer Name: ArcelorMittal

Vinton, TX	2014	Compliant
------------	------	-----------



Manufacturer Name: ArcelorMittal Indiana Harbor Long Carbon

Message

Manufacturer Name: Cascade Steel Rolling Mills

McMinnville, OR	2014	Compliant
-----------------	------	-----------



Manufacturer Name: CMC Steel

Seguin, TX	2014	Compliant
------------	------	-----------



Cayce, SC, US	2014	Compliant
---------------	------	-----------



Magnolia, AR, US	2014	Compliant
------------------	------	-----------



Mesa, AZ	2014	Compliant
----------	------	-----------



Manufacturer Name: Engineered Wire Products

Las Cruces, NM, US	2014	Compliant
--------------------	------	-----------



Upper Sandusky, OH, US	2014	Compliant
------------------------	------	-----------



Metric Bar Marks - 2014

New markings

Gerdau Ameristeel (revised markings)

(Jackson, TN)

CRSI

S



Bars #43 and #57 only



W



Bars #43 and #57 only



Geotextiles Evaluation and Audit Program (GTX)

Industry Participants as of August 1, 2015

Company name-Location	Status		Company Name-Location	Status
Thrace-Linq, Inc.-Summerville, SC (Manufacturer/Private Labeler)	Compliant		SKAPS-Athens, GA (Manufacturer)	Compliant
Propex-Ringgold, GA (Manufacturer/Private Labeler)	Compliant		Fiberweb-Old Hickory, TN (Manufacturer)	Compliant
Belton Industries-Belton, SC (Manufacturer)	Compliant		Crown Resources-Toccoa, GA (Manufacturer)	Compliant
TenCate-Pendergrass, GA (Manufacturer/Private Labeler)	Compliant		Gia Loi- Vietnam (Manufacturer)	Compliant
TenCate-Cornelia, GA (Manufacturer)	Compliant		JaiCorp Ltd.-India (Manufacturer)	Compliant
Gulnar Plastics (Manufacturer)	Awaiting CARs		DALCO Nonwovens- Conover, NC (Manufacturer)	Compliant
Willacoochee Industrial Fabrics- Willacoochee, GA (Manufacturer/Private Labeler)	Compliant		North Georgia Converting- Clarkesville, GA (Manufacturer)	Compliant
Thrace Nonwovens & Geosynthetics-Greece (Manufacturer)	Compliant		Hanes Geo Components- Winston Salem, NC (Private Labeler)	Compliant
Madhu Jayanti International LTD.-India (Manufacturer)	Non-Compliant		U.S. Fabrics Inc.-Cincinnati, OH (Private Labeler)	Compliant
Agro America-Georgetown, SC (Manufacturer)	Compliant		SKAPS-India (Manufacturer)	Compliant
Lumite-Alto, GA (Manufacturer)	Compliant		Western Exelsior-Evansville, IN (Private Labeler)	Compliant
KL&C Corp.-China (Manufacturer)	Desktop Review in Progress		Geo Tex-Inigma, GA (Manufacturer)	Non-Compliant
Skaps- Mundra, India (Manufacturer)	Compliant		Propex-Ringgold, GA (Manufacturer/Private Labeler)	Compliant
Carthage Mills- Cincinnati, OH (Private Labeler)	Compliant		TechFab India Industries Ltd.-India (Manufacturer)	Compliant
TenCate Industrial Zhuhai Co., Ltd.-Zhuhai, China (Manufacturer)	Compliant		FlexiTuff-India (Manufacturer)	Compliant
Advanced Drainage Systems Inc.-Hilliard, OH (Distributor)	Awaiting CARs		Neo Corp International LTD- India (Manufacturer)	Compliant
Eastern Poly Canada LTD-Vietnam	Desktop Review in Progress		PIC Vietnam Company-Vietnam (Manufacturer)	Desktop Review in Progress
Propex-Hazlehurst, GA (Manufacturer)	Compliant			

NTPEP Audit Process for Geotextiles

1st

- Desktop Review is performed- Manufacturer/Private Labeler submits Pre-Audit Application to AASHTO for review of Quality Management System

2nd

- On-Site Audit is conducted

3rd

- Final Audit Report- accessible through NTPEP DataMine website

Desktop Review

- Review in detail the following documents/procedures
 - Testing Personnel
 - Standard Specifications
 - Geotextile Products Produced By The Facility
 - Product Information
 - Geotextile Roll Identification Markings
 - Sample Reports for Geotextile Testing
 - Quality Management System
 - ❖ Review over 15 aspects of the Quality Management System

On-Site Audit

- The following are items which are reviewed, observed, verified, and identified during an on-site audit:
 - Geotextile Product Line Summary and Production Line Overview
 - Product Raw Materials Information
 - Training and Competency Evaluation of Testing Personnel
 - Sample / Yard Inspection and Traceability of Product and Testing Record
 - Sample Reports for Raw Materials and Geotextile Testing
 - Manufacturing Process Walk-Through
 - Review of Geotextile Identification Markings
 - Split Sample Testing
 - Audit of QC Testing Procedures and Tester Competency
 - ❖ Melt Index (AASHTO M294, ASTM D1238)
 - ❖ Carbon Black Content (ASTM D4218)
 - ❖ Mass per Unit Area (ASTM D 5261)
 - ❖ Permittivity (ASTM D 4491)
 - ❖ Apparent Opening Size (ASTM D 4751)
 - ❖ Grab Tensile Properties (ASTM D 4632)
 - ❖ Trapezoidal Tear Strength (ASTM D 4533)
 - ❖ CBR Puncture Strength (ASTM D 6241)
 - Equipment Calibration, Standardization, and Checking
 - Geotextile Sampling Report

Final Audit Report

- Summary of findings from on-site audit
- Delivers a final product to both the Manufacturer and AASHTO member departments
- Outlines strengths and deficiencies found while conducting the audit
 - All deficiencies must be adequately addressed within 15 business days of the manufacturer receiving the final audit report in order to be compliant.

How to Access Audit Reports

NTPEP DataMine
Home
My DataMine
Preferences
Help
Log Out

My DataMine
In this section of My DataMine you can submit product evaluation applications for new products as well as resubmit existing products for evaluation. You can also check the status of the already submitted applications.
Submit Evaluation/Audit Application
Submitted Application(s)

Date	Application Number	Manufacturer	Product Type	Product(s)	Status	Invoice	History
04/02/2012	0001635	IMadeThat	REBAR	0	In Progress	Delete	History
01/31/2012	0001571	IMadeThat	ECP	0	In Progress	Delete	History
01/25/2012	0001561	IMadeThat	ECP	1	Rejected	Print Invoice	History
01/25/2012	0001559	IMadeThat	ECP	2	Rejected	Print Invoice	History
01/16/2012	0001551	IMadeThat	REBAR	0	In Progress	Delete	History
01/16/2012	0001548	IMadeThat	ARA	1	Rejected	Print Invoice	History
12/27/2011	0001518	IMadeThat	PIPE	0	In Progress	Delete	History
12/27/2011	0001517	IMadeThat	PVCPIPE	0	In Progress	Delete	History
12/20/2011	0001510	IMadeThat	PIPE	1	In Progress	Delete	History
12/20/2011	0001494	IMadeThat	PIPE	0	In Progress	Delete	History

[Show All Applications](#)

Technical Committee
Technical Committee:

Structural Steel Coatings
Asphalt Release Agent
Concrete Admixtures
Concrete Curing Compounds
Erosion Control Products
Geosynthetic Reinforcement
Geotextiles and Geosynthetics
HDPE Plastic Pipe
Pavement Marking
PCC Joint Sealants and HMA Crack Sealers
PCMS/Flashing Arrow Panels
PVC Pipe
Rapid Set Concrete Patch Materials
Reinforcing Steel
Sign Sheeting Material
Structural Steel Coatings
Temporary Traffic Control Devices

2

Search

Product Lookup
Submittal Year:
Manufacturer:
NTPEP Number:
Product Name:

Currently there is no item available in database for selected technical committee.

Step 1.

(1) Log into the NTPEP DataMine 2.0 website,
<http://data.ntpep.org>

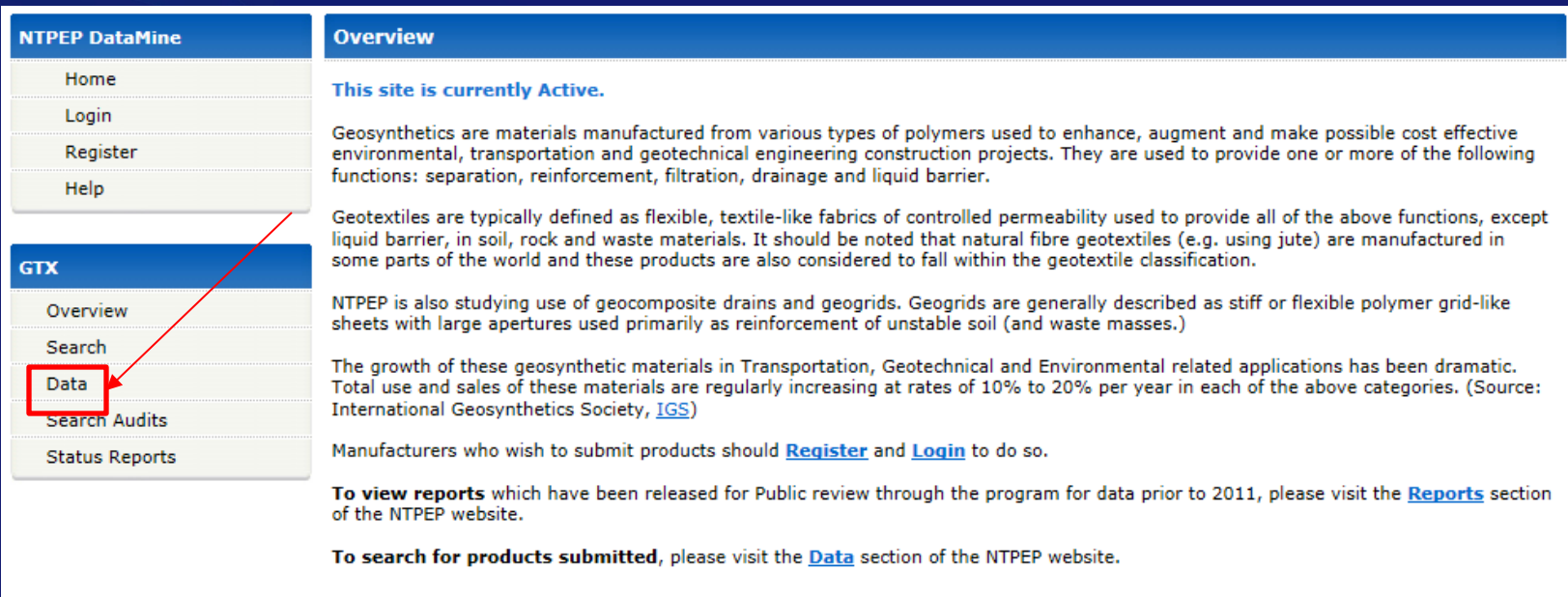
Step 2.

Choose the technical committee you want to access an Audit Report for

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)	Concrete Curing Compounds	Structural Steel Coatings
Roll Up Signing Materials	Erosion Control Products	Concrete Coatings
Sign Sheeting Material	Geosynthetic Reinforcement (REGEO)	
Temporary Traffic Control Devices	Geotextiles and Geosynthetics	
	HDPE Plastic Pipe	
	Reinforcing Steel (REBAR and WWR)	
	PVC Pipe	
	Polypropylene Pipe	
	Epoxy and Resin Based Adhesive Bonding Systems (ePEF Only)	
	Warm Mix Additive (ePEF Only)	
	Elastomeric Bridge Bearing Pads (ePEF Only)	
	Guardrail/Guidesail (ePEF Only)	

Step 3.

Select “Data” to review the product test data and access the audit documentation



NTPEP DataMine

- Home
- Login
- Register
- Help

GTX

- Overview
- Search
- Data**
- Search Audits
- Status Reports

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 4.

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

The screenshot displays the NTPEP DataMine web application. On the left is a navigation menu with links for Home, My DataMine, Preferences, Help, Log Out, and a GTX section containing Overview, Search, and Data. The main content area is titled 'Data' and includes a descriptive paragraph. Below this is a section titled 'Data by Manufacturer/Submittal Year' which contains a 'View By:' label, a dropdown menu (currently showing 'Manufacturer' with 'Manufacturer' and 'Submittal Year' as options), and a 'Manufacturer:' label. A red bracket is positioned to the left of the dropdown menu. To the right of the form fields, a 'Show' button is highlighted with a red rectangle, and a red arrow points to it from the left.

NTPEP DataMine
Home
My DataMine
Preferences
Help
Log Out

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: TenCate Geosynthetics North America
Show

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
GTX-2012-01-047	TenCate Geosy...	180N	Public	Product	Go Assign Go
GTX-2012-01-045	TenCate Geosy...	140NC	Public	Product	Go Assign Go
GTX-2012-01-044	TenCate Geosy...	Mirafi HP 270	Public	Product	Go Assign Go
GTX-2012-01-043	TenCate Geosy...	Mirafi 140NL	Public	Product	Go Assign Go

Step 5.

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

Submission 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: 

Grab

Specimen	Grab			
	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

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	

Step 5.


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 Web Site

- Home
- Membership
- Technical Committees
- Documents
- NTPEP DataMine
- States Only
- APEL

Home

AASHTO

Join


Allows you to access:

- 1.) Current Work Plan
- 3.) Meeting Minutes

Contact Information for TC Members

- 4.) Pre-Audit and Audit Worksheets

Submit a Product

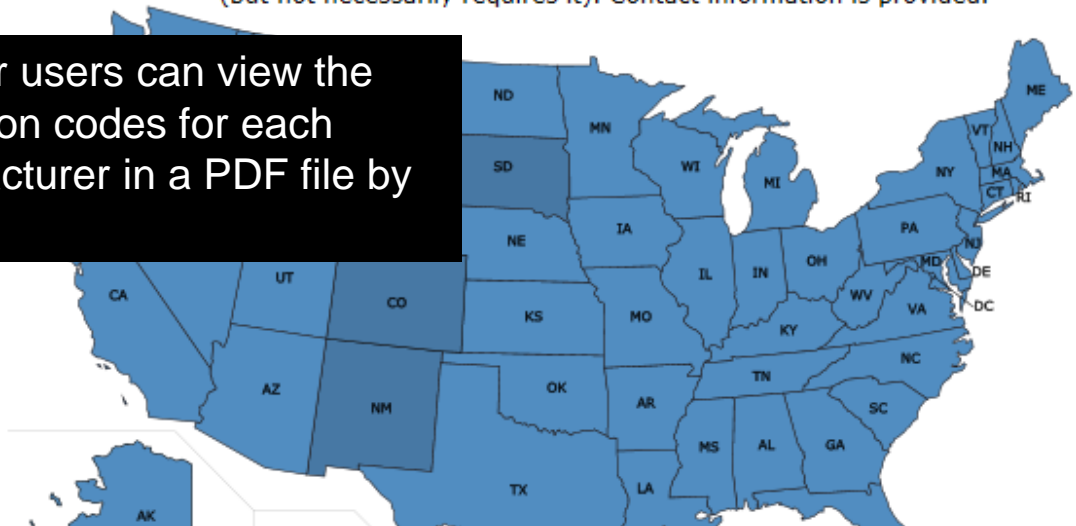
What is NTPEP ?

NTPEP Contacts

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- **Evan Rothblatt**
(202) 624-3648

State DOT Usage of NTPEP - 2013 Survey Results - Updated March 2015

Click on a state to see the product types for which the state uses NTPEP data (but not necessarily requires it). Contact information is provided.



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

How to use 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

2016 Annual NTPEP Meeting

- Begins on Sunday, May 8th and concludes on Thursday, May 12th, 2016 in Grand Rapids, Michigan
- January 2016: Registration through the NTPEP website,
www.ntpep.org

Questions?

Katheryn Malusky

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Phone Number: 202-624-3695

www.ntpep.org

<http://data.ntpep.org>

