

# Eastern States Consortium (ESC) for HDPEP

- Why was the Consortium formed?
- Members, Participants & Benefits to each
- Key Program Elements
- ESC Development
- ESC Accomplishments
- Proposed Merger of ESC, PPI & NTPEP



# Eastern States Consortium (ESC) for HDPEP

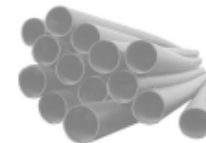
## ◆ Purpose:

- Minimum quality control requirements for manufacturers
- Regionally accepted Quality Systems Manual for each manufacturer
- States share annual plant inspection responsibilities
- Regional list of qualified supplier plants

# ESC for HDPEP

## Participating States

- ◆ Connecticut
- ◆ Delaware
- ◆ District of Columbia
- ◆ Maine
- ◆ Maryland
- ◆ Massachusetts
- ◆ New Hampshire
- ◆ New Jersey
- ◆ New York
- ◆ North Carolina
- ◆ Rhode Island
- ◆ Vermont
- ◆ Virginia



# ESC for HDPEP

## ◆ Participating Manufacturers:

- ADS
- Hancor
- Soleno
- Lane
- Baughman Tile
- Pending: Blue Diamond  
Haviland Drainage Products  
Crumpler Plastic Pipe

# ESC for HDPEP

## ◆ Key Components:

### A) Manufacturers Quality System Manual

- Based on: · AASHTO M252 and M294
- Requires: · Qualified Quality Control Manager
  - Qualified Testing Technicians
  - Procedures for Non-Conforming Materials
  - Monitoring Quality Control Test Results
  - Annual Self Audits
  - Test Documentation & Minimum ESC Test Frequencies
  - Independent Split Sample Testing

# ESC for HDPEP

## ◆ Key Components Continued:

### B) ESC Operating Procedures

- Lead State Administers Program
- Annual Inspections of Manufacturers Facilities
- Annual Review of Quality System Manuals
- Independent Split Sample Testing
- States Do Additional Acceptance Testing as Required by their Specifications
- The ESC Program is not an Acceptance Program

# ESC for HDPEP

## ◆ Key Components Continued:

C) Qualified Manufacturers List

D) ESC Website

- Approved Quality System Manuals
- Operational Procedures
- Quality System Manual Requirements
- Contact Information for DOTs and Manufacturers
- Split Sample Test Results

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# ESC for HDPEP

## Benefits States

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- Cost savings
  - Reduced staff effort
  - Reduced travel cost
- Greater assurance of a quality product
- High level of technical expertise maintained for region
- Greater voice on national specifications



# Manufacturer Benefits

- ◆ Quality System Manual for region
- ◆ Regional QC requirements
- ◆ May reduce state acceptance testing and/or state plant inspection programs

# ESC Accomplishments

- ◆ Plant Audits – 14 plants qualified
- ◆ 3 other companies pending qualification
- ◆ Refined requirements and audit forms
- ◆ Recommended changes to M294
  - Delamination test method
  - Sampling procedure for plant blended resins & sample preparation
  - Pipe marking

# ESC Accomplishments

- ◆ Discoveries:
  - Plant blending of resins
  - Use of transition resins
  - Use of post industrial recycled resins
  - Lack of documented training for QC testers

# Proposed Merger of ESC, PPI & NTPEP

- ◆ Agreement to merge; NTPEP Annual Meeting, Wilmington, NC, May, 2006
- ◆ Details:
  - One national program under AASHTO's NTPEP
  - ESC & PPI (Plastic Pipe Institute) programs will cease to exist
  - AASHTO's AMRL will manage program for NTPEP

# Proposed Merger of ESC, PPI & NTPEP

- AMRL will provide:
  - Program Management
  - Perform annual plant audits with DOT co-auditors
  - Annual review of manufacture QSM's
  - Maintain NTPEP website for plastic pipe

# Proposed Merger of ESC, PPI & NTPEP

- Split samples tested by independent lab
- Program supported by manufacturer fees
- NTPEP work plan being prepared for national ballot (largely based on ESC program documents)
- NTPEP Administrative Oversight Committee advises manager; 5 state members

# Proposed Merger of ESC, PPI & NTPEP

- Two lists on NTPEP website:
  - Pipe conforming to NTPEP Work Plan
  - Plants conforming to NTPEP Work Plan
- Merger date: January 1, 2007

# Proposed ESC Merger with PPI & NTPEP

- ◆ Benefits:
  - Strengthen Program
  - Paid Administration
  - State Controlled Oversight
  - Manufacturers Have Voice, but No Vote



Thank You For Your Continued  
Support of The ESC

