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
ESC for HDPEP
Benefits States

- 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