



NORTH CAROLINA
Department of Transportation



NCDOT Recycled Pipe Approval

Alyson Tamer, PE, CPM

March 20, 2019

Value Management Programs

1- Value Engineering Program



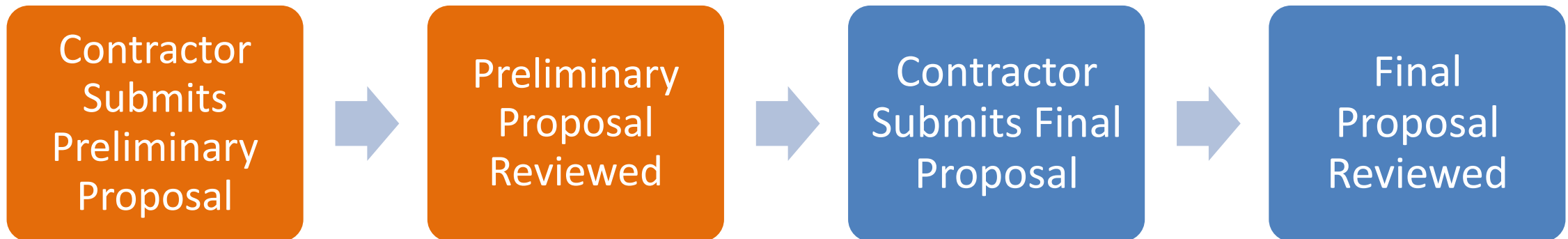
Value Management Programs

1- Value Engineering Program (VEP)

2- Value Engineering Proposal Program

OPTIONAL

REQUIRED



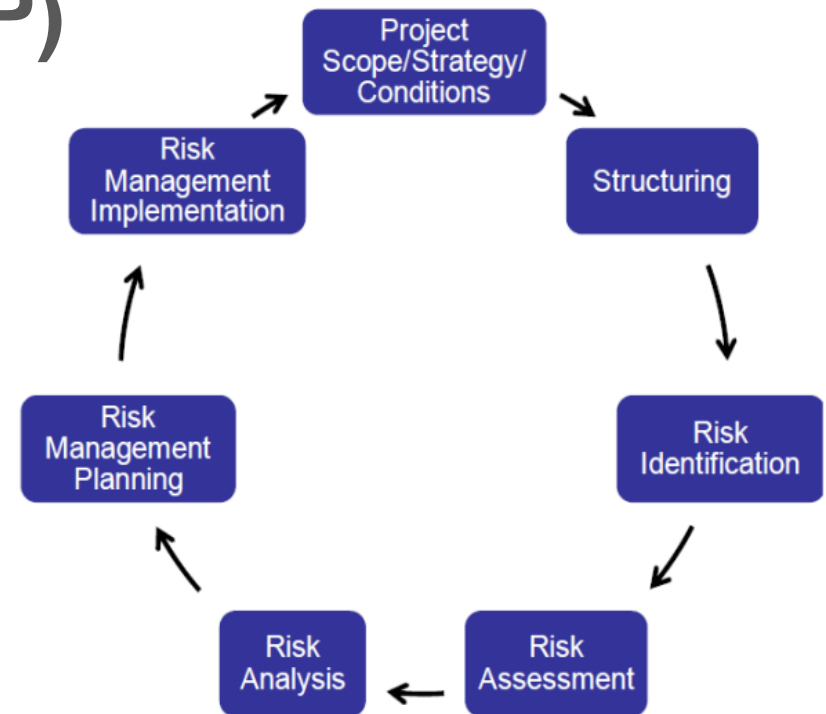
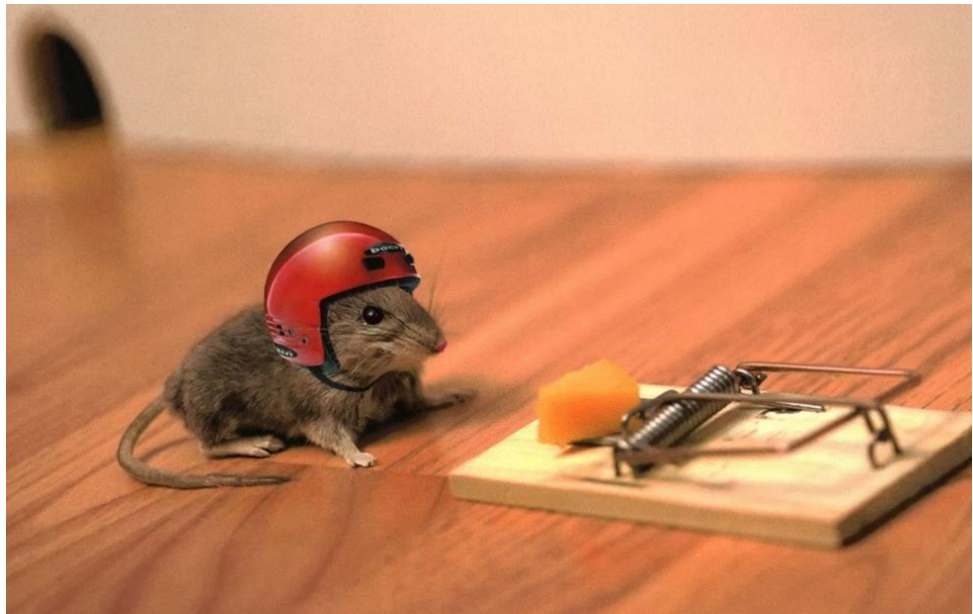
Value Management Programs

- 1- Value Engineering Program (VEP)
- 2- Value Engineering Proposal Program (VEPP)
- 3- Constructability Review Program**



Value Management Programs

- 1- Value Engineering Program (VEP)
- 2- Value Engineering Proposal Program (VEPP)
- 3- Constructability Review Program (CRP)
- 4- Risk Assessment Program (RAP)**



Value Management Programs

- 1- Value Engineering Program (VEP)
- 2- Value Engineering Proposal Program (VEPP)
- 3- Constructability Review Program (CRP)
- 4- Risk Assessments Program (RAP)
- 5-Communicate Lessons, Exchange Advice, Record (CLEAR)**



Value Management Programs

7- Product Evaluation Program (PEP)



Pipe Specifications

1- A Site Specific QC Plan is for each facility detailing

- Manufacturing
- Identification
- Storage
- Shipping
- Quality Control



Pipe Specifications

2- The Producer Must Supply

- An annual Brand Registration
- Guarantee
- A Plant Ownership Update



Pipe Specifications

- 3- Meet AASHTO Specifications (M252 and M294 for HDPE)
- 4- Each facility must undergo and pass annual NTPEP audits



Pipe with Recycled Plastic Content

- AASHTO Standard **Change**
- NTPEP **Change** in procedure
- NCDOT **Change** to specifications and standards

**Changes aren't always
instantaneous,
sometimes they are a process.**

Pipe with Recycled Plastic Content

No revisions needed for

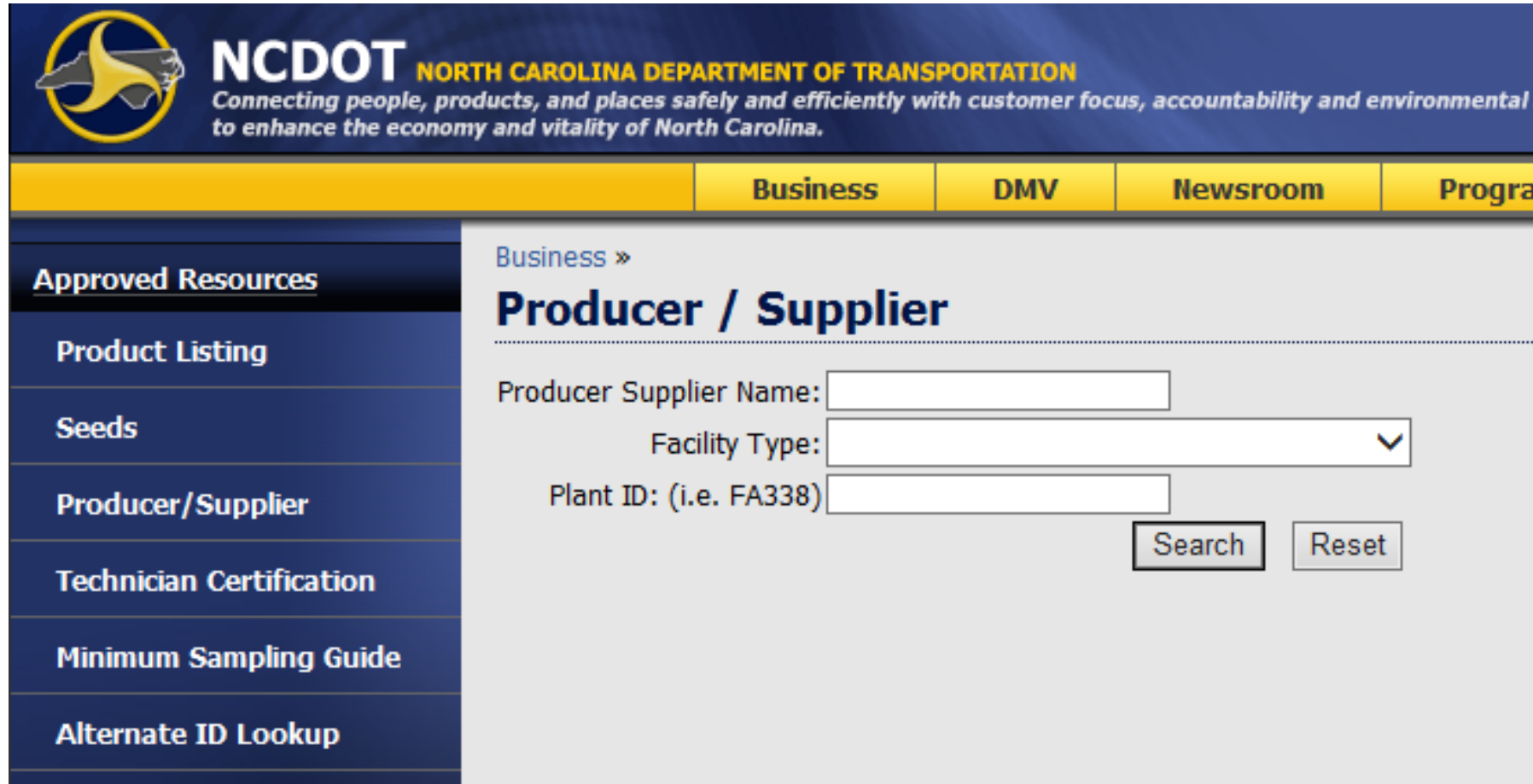
- Brand Registration
- Annual Plant Ownership Updates



Pipe with Recycled Plastic Content



Approved Producer Supplier



The screenshot shows the NCDOT (North Carolina Department of Transportation) website header with the logo and tagline: "Connecting people, products, and places safely and efficiently with customer focus, accountability and environmental to enhance the economy and vitality of North Carolina." Below the header is a navigation bar with links for Business, DMV, Newsroom, and Programs. On the left is a sidebar menu under "Approved Resources" with links for Product Listing, Seeds, Producer/Supplier, Technician Certification, Minimum Sampling Guide, and Alternate ID Lookup. The main content area is titled "Business » Producer / Supplier" and contains a search form with the following fields: "Producer Supplier Name:" (text input), "Facility Type:" (dropdown menu), and "Plant ID: (i.e. FA338)" (text input). There are "Search" and "Reset" buttons at the bottom right of the form.

NCDOT NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Connecting people, products, and places safely and efficiently with customer focus, accountability and environmental to enhance the economy and vitality of North Carolina.

Business DMV Newsroom Programs

Approved Resources

- Product Listing
- Seeds
- Producer/Supplier
- Technician Certification
- Minimum Sampling Guide
- Alternate ID Lookup

Business »
Producer / Supplier

Producer Supplier Name:

Facility Type:

Plant ID: (i.e. FA338)

Search Reset

<https://apps.ncdot.gov/vendor/ApprovedProducts/Producer.aspx>

What questions do you have?

Alyson Tamer, PE, CPM

State Value Management Engineer

awtamer@ncdot.gov

919-707-6682

