What is UT- CIS?





Bill Wiley Instructional Designer



The University of Tennessee

Services Provided

Tennessee Manufacturing Extension Program

- Lean Manufacturing
- Quality Management
- Human Performance
- eBusiness
- EHS
- Manufacturing Management
- Video and Online Services





UT - CIS Resources

- University Faculty & Services
- Federal Laboratories
- Private Consultants
- CIS Staff Specialists



Value of UT- CIS to Tennessee Business 2002 -2003

- → 1400 requests for technical assistance
- → More than 4,600 attendees UT- CIS sponsored training
- **⇒** Economic Impact: \$283,989,919
- ⇒ 6,639 jobs create or saved





Clean Air Act Compliance Training – 1993 - 2001

Completed Projects
Satellite Broadcasts
MACT Rules
Nationwide - Seven



ISO 14001 Video Series

APC Control Devices Series
Seven Videos



The Hats of Bill Wiley

Project Manager/PI
Video Producer
Content Developer



Web Design/Programming



Results of "desktop" projects

APC Device video series – Cyclone video added

91 groups requested the APC videos

36 states

Video CD - 174 sets

VHS - 31 sets

DVD - 20 sets

MACT Web Site for Regulators





Results of "desktop" projects

Surface Coating Video Training Series – 3 hours

Tape 1 – Surface Coating Inspection
Thermal Oxidizer – Paint Line
Wood Bldg. Products MACT Case Study
Misc. Metal Parts MACT Case Study

Tape 2 – Liquid Coating Case Study
Liquid Coating Pretreatment
Transfer Efficiency
Spray Types
Electrostatic Spraying





Results of "desktop" projects

Surface Coating Video Training Series – 3 hours

Tape 3 – Powder Coating Case Study

Powder Coating Panel

Powder Coating Pretreatment

APC Training Video Catalog





Surface Coating Video Training Series Distribution

73 groups requested the videos

35 states

Video CD - 77 sets

VHS - 41 sets

DVD - 29 sets

Additional APC Video requests

28 agencies – 23 states

Video CD - 35 set

VHS - 13 sets

DVD - 6 sets







Thank you for sending APC Devices for Gases and Particles in both VCD and DVD formats. It is much easier to view these in the comfort of my own cubicle, and the quality is, of course, excellent. Retention of the subject matter is greatly enhanced in this personalized environment. Unlike my experience with other CDs, starting and viewing these on the PC went smoothly and without any problem. – Oklahoma

"We received the VHS copy of the cyclone tape. We have a 5 person air pollution control unit at a DNR regional office. The experience of our staff ranges from 6 weeks to 14 years. Most of us have had several APTI courses, both lecture and self-study. We watched the tape together; it was informative for the newer people and a good review for the more experienced. Everyone in the unit liked it. Very professional and well done - ideal for air quality inspectors." - North Carolina





"Talk about service. The CDs arrived this morning. Will definitely be useful for the new guy. Thanks again." - Colorado

"Thank you for putting the video series together. I had a lot of responses to view them. - Missouri

Sorry it has taken so long to get back to you on this offer. We would like to order a DVD copy, if they are still available. We have used the previous training disks from you to train our new inspectors and have found them very beneficial.

- Utah



MACT Rule Web Site Components of Each Site

Rule Introduction
Rule Timeline
Virtual Tour of Facilities
Inspection Checklist

Use as reference in classroom MACT courses



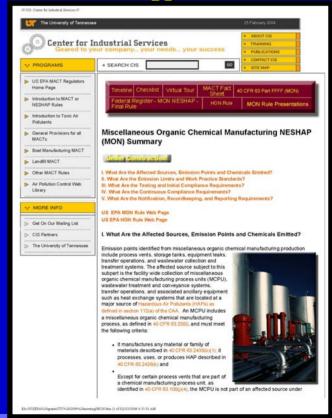


Web Projects – MACT Rules for Regulators

Boat Manufacturing (Final 8-22-01) Landfills (Final 1- 16 –03)

MON (Final 11-10-03)
Misc. Metal Parts (Final 1-02-04)

Plywood & Composite Board Manufacturing (Proposed 1-09-03) Boilers (Proposed 1-13-03)





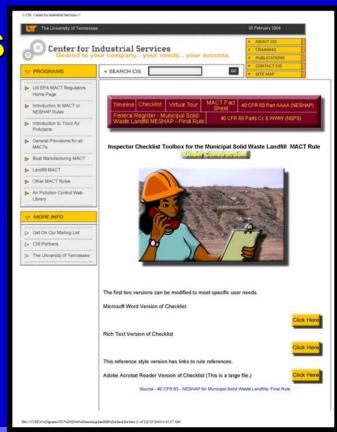
Web Projects - Current Status

Boat - 3 Parts completed

Landfill - 3 Parts completed Working on Tour

MON - 2 Parts completed

Technical Review started





Web Projects – Challenges

Web Training

Two EPA Mandated Design Changes

EPA Mandated Move to UT Servers

UT Brand Issues

MACT Rules not Finalized





Continued and New "Desktop" Products for FY 2005

Video Broadcast and Case Study Reedit

Reedit video from past broadcasts. These could be used to provide examples of various industrial processes that have been affected by MACT rules. Past MACT broadcasts include:

Dry Cleaning
Vapor Degreasers
Chrome Electroplating
Wood Furniture
Consumer Products





New "Desktop" Products for FY 2005

Web sites for future MACTS for Regulators

<u>Rule</u>	<u>Final</u>	Compliance Date	Source #s
General Prov.			
Fabric Printing	5-29-03	5-29-06	135
Misc. Coating Manf.	12-11-03	12-11-06	
Paper & Web Coating	12-02-02	12-05-05	203
Plastic Parts	8-22-03 signed		202
Reinforced Plastic	4-21-03	4-21-06	435
Wood Bldg. Products	5-28-03	5-28-06	215



Other Possibilities:

Survey agencies for "desktop" training needs.

Assist on setting up CEU approval process

Lesson learned at UT

Choose established criteria such as IACET Use a standard format for curricula



Please Send Ideas & Comments to:

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