



# ECS ECLIPSE

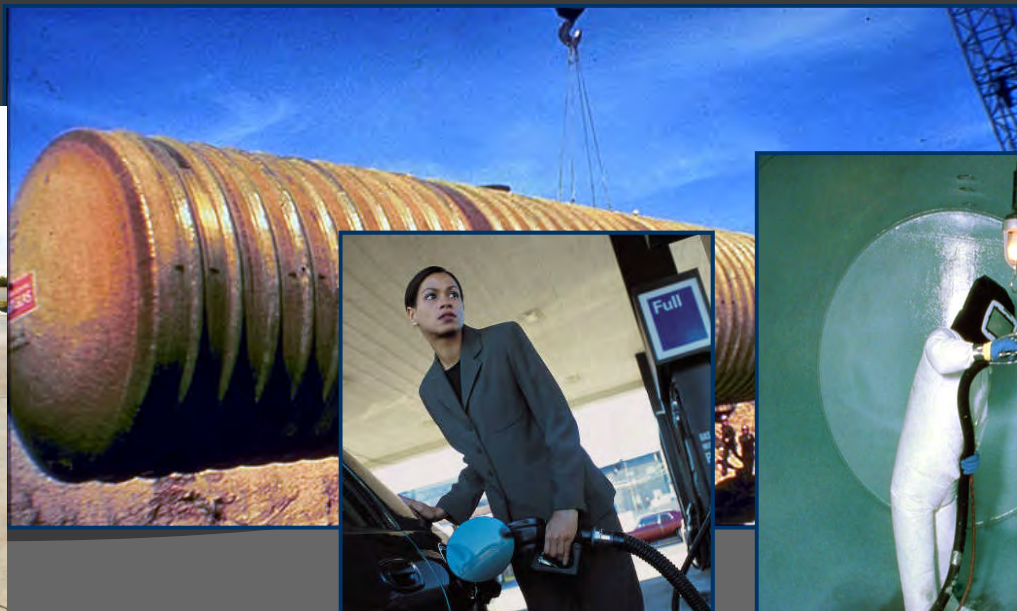


UST Operator Training Seminar  
March 13, 2012

# Petroleum UST Services



- Construction Engineering Support
- Cost Recovery
- Emergency Response Management
- Facilities Management
- Training
- Regulatory Compliance and Permitting
- Remediation System Design, Installation, and O&M
- Site Characterization
- Eclipse Fuel System Management



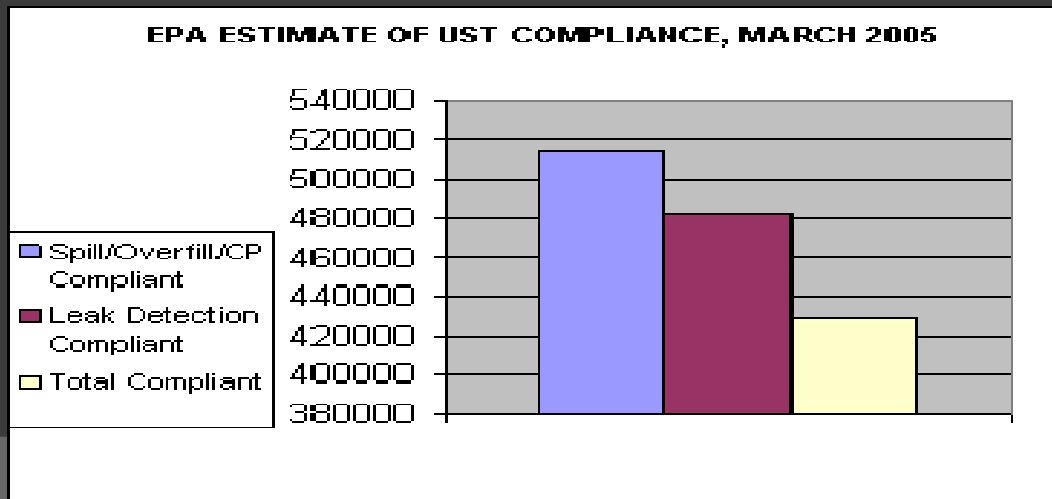
# UST Compliance – Background

## 2003 – 2004 GAO Report to Congress

- 2002 EPA report: 1 in 4 Tanks still have significant problems
- March 2003-2004 GAO Report Concludes 200,000 Tanks (30%) not operated and maintained properly
- Tanks significantly still leak into environment
- Even tanks with new equipment still leak
- EPA and States Reports -DO NOT have sufficient manpower and funds to inspect all tanks

# UST Compliance – Background Program Status

- 660,000 Active, Registered USTs
- 1.6 Million Substandard UST's Closed –(since 1986)
- 78 % in Significant Compliance with Corrosion Protection, Spill, Overfill, for release prevention
- 73% significant compliance with leak detection
- 65% significant operational compliance with both release detection and release prevention



Data from EPA



# What Is Operator Training? Why are you here?

New Federal (2005 Energy Act) and State Rules require training implementation to ensure knowledge regarding operating and maintaining underground storage tank systems.



# Who will be A, B & C operators?

- ◉ Who, what, where, and how many?



# Class A Operator

- Has primary responsibility of operating and maintaining the UST system, including management of resources and personnel
- Focuses on broader aspects of statutory and regulatory requirements and operating standards
- Typically ensures that the appropriate person properly operates and maintains the UST system and maintains appropriate records
- Are trained to operate and maintain the UST system and keep records
- Properly responds to emergencies caused by releases or spills
- Makes financial responsibility documents available upon request



# Class A Operator MUST have knowledge of:

- Spill prevention
- Overfill prevention/protection
- Release detection
- Corrosion protection
- Emergency response
- Product compatibility
- Financial responsibility documentation requirements
- Notification requirements
- Release and suspected release reporting requirements
- Permanent and temporary closure requirements
- Operator training requirements





# Class B Operator

Individual who implements day to day aspects of operating, maintaining, and record keeping for UST's at one or more facilities. This person implements UST regulatory requirements and standards at the facility.



# Class B Operator MUST have knowledge of:

- Spill prevention
- Overfill prevention/protection
- Release detection
- Corrosion protection
- Emergency response
- Product compatibility
- Components of the UST systems.
- Materials of UST system components.
- Methods of release detection and release prevention applied to UST components
- Class C operator training requirements.



# Class C Operator

This person is the first line of response to events indicating emergency conditions, they are responsible for responding to alarms or other indications of emergencies caused by spills or releases from the UST.



# VT, CT, RI - ICC Examinations

- ICC only for Class A and B operators



<http://www.iccsafe.org/Accreditation/Pages/ustastexams.aspx>



# What to Expect from ICC?

- **Schedule and Register for an exam**
- **Go to Exam Center. Exams Computer-based**
- **Take the exam**
- **Results are received immediately after exam**
- **Pass exam?**
  - **No – Register to re-take exam.**
  - **Yes**
- **Receive wallet card**
- **Cards are mailed 7-9 weeks from exam date**
- **Request wall certificate ---Request must be made within 90 days from exam**



# ICC EXAM CENTERS



# ICC - Hours of Operations

- Centers Open Tuesday – Saturday
- 8 AM and 1PM
- Closed Holidays



# RI – ICC Class A & B

- **ICC Class A EXAM CODE: RA      FEE: \$75**
  - 40 multiple -choice questions, 1.0 hour, open book

*UST Systems 15%*

*Operating Requirements 18%*

*Release Detection 21%*

*Recordkeeping 14%*

*Release Reporting and Confirmation 15%*

*Energy Act Requirements 17%*

- **ICC Class B EXAM CODE: RB      FEE: \$75**
  - 60 multiple -choice questions, 1.5 hour, open book

*UST Systems 15%*

*Operating Requirements 18%*

*Release Detection 21%*

*Recordkeeping 14%*

*Release Reporting and Confirmation 15%*

*Energy Act Requirements 17%*





# RI – ICC References

1. Rhode Island Rules and Regulations for Underground Storage Facilities
2. Operating and Maintaining Underground Storage Tank Systems (EPA 510-B-05-002)
3. Straight Talk on Tanks, 2005 (EPA 510-B-05-001)
4. Musts for USTs, July 1995 (EPA 510-K-95-002)
5. Dollars and Sense, Financial Responsibility Requirements for USTs (EPA 510-K-95-004)
6. EPA 40 CFR Part 280, 280.10—280.74



# CT – ICC Class A & B

- **ICC Class A EXAM CODE: TA FEE: \$75**
  - 40 multiple -choice questions, 1 hour, open book

*UST Systems 13%*

*Operating Requirements 18%*

*Release Detection 19%*

*Recordkeeping 24%*

*Release Reporting and Confirmation 13%*

*Energy Act Requirements 13%*

- **ICC Class B EXAM CODE: TB FEE: \$75**
  - 60 multiple -choice questions, 1.5 hour, open book

*UST Systems 16%*

*Operating Requirements 19%*

*Release Detection 21%*

*Recordkeeping 14%*

*Release Reporting and Confirmation 13%*

*Energy Act Requirements 17%*



# CT – ICC References

1. Operating and Maintaining Underground Storage Tank Systems (EPA 510-B-05-002)
2. Straight Talk on Tanks, 2005 (EPA 510-B-05-001)
3. Musts for USTs, July 1995 (EPA 510-K-95-002)
4. Dollars and Sense, Financial Responsibility Requirements for USTs (EPA 510-K-95-004)
5. PEI/RP 500 Recommended Practices for Inspection and Maintenance of Motor Fuel Dispensing Equipment, PEI, 2011
6. PEI/RP 900 Recommended Practices for Inspection and Maintenance of UST Systems PEI, 2008
7. EPA 40 CFR Part 280, 280.10—280.74 *Technical Standards and Corrective Action Requirements for Owners and Operators of USTs*
8. Draft—Proposed Revisions and Amendments to the Underground Storage Tank Regulations



# VT - ICC Class A & B

- **ICC Class A EXAM CODE: VA FEE: \$75**
  - 40 multiple -choice questions, 1.0 hour, open book

*UST Systems 13%*

*Operating Requirements 18%*

*Release Detection 19%*

*Recordkeeping 24%*

*Release Reporting and Confirmation 13%*

*Energy Act Requirements 13%*

- **EXAM CODE: VB FEE: \$75**
  - 60 multiple -choice question, 1.5 hour, open book

*UST Systems 16%*

*Operating Requirements 19%*

*Release Detection 21%*

*Recordkeeping 14%*

*Release Reporting and Confirmation 13%*

*Energy Act Requirements 17%*



# VT- ICC References

1. Operating and Maintaining Underground Storage Tank Systems (EPA 510-B-05-002)
2. Straight Talk on Tanks, 2005 (EPA 510-B-05-001)
3. Musts for USTs, July 1995 (EPA 510-K-95-002)
4. Dollars and Sense, Financial Responsibility Requirements for USTs
5. PEI/RP 500 Recommended Practices for Inspection and Maintenance of Motor Fuel Dispensing Equipment, PEI, 2011
6. PEI/RP 900 Recommended Practices for Inspection and Maintenance of UST Systems PEI, 2008
7. EPA 40 CFR Part 280, 280.10—280.74
8. Vermont Underground Storage Tank Rules [effective date: October 1, 2011]



# MA DEP UST Operator Exam

- Online Exam – Cost \$75.00
- Log In Anywhere – Need Internet
- 75 Questions – Multiple Choice
- Have 4 hours for exam
- No going back!
- Open Book



# MADEP Exam Continued

- **Must obtain 80% for EACH 12 sections**
- Corrosion Protection -5 questions
- Emergency Response Procedures – 5 questions
- Financial, Registrations & Notifications – 5 Questions
- General Definitions – 5 questions
- General Requirements – 10 questions
- Leak Detection – 10 questions
- Training Requirements – 5 questions
- Product Compatibility – 5 questions
- Reporting and Record Keeping – 5 questions
- Spill & Overfill Prevention – 5 questions
- Tanks & piping – 10 questions
- UST Testing Requirements – 5 questions



# MADEP Exam Continued

- ◉ Exam Preparation – Know the Regs
  - 527 CMR 5
  - 527 CMR 9
  - 310 CMR 80
  - 40 CFR 280
  - EPA Publications
  - Doing Inventory Control Right
  - Operating & Maintaining UST Systems
  - Straight Talk on Tanks: Leak Protection Methods
  - Inspecting & Maintaining Sumps & Spill Buckets
  - Dollars & Sense: Financial Responsibility Requirements for USTs
  - Compatibility of UST Systems with Biofuel Blends





# MA Exam Sample Question

- Question: Spill buckets are installed to contain spills or drips during what activity?
- A. Overfill during product dispensing
- B. Fuel delivery
- C. Fuel handling during testing activities
- D. Delivery from tanker truck
- Uh, Pat, I'd like to buy a vowel.

# ECS Eclipse Online Training

The screenshot shows the Eclipse Online Training website. At the top left is the Eclipse logo with the tagline "BEYOND COMPLIANCE". To the right are social media icons for Facebook, Twitter, and LinkedIn, and a phone number "888.302.4875". A "LOGIN" button is located in the top right. Below the logo is a navigation bar with links for "Buy Training", "About Us", "State Regulations", "FAQs", "24/7 Tech Support", and "My Cart". The main content area features three training cards: "Class C Operator Training" for \$11.75, "Class A and B Operator Training" for \$150, and "Stage I/II Vapor Recovery Training" for \$40. Each card includes a green button with a right-pointing arrow. Below these cards are three more green buttons: "ABOUT CLASS C TRAINING", "ABOUT CLASS A & B TRAINING", and "ABOUT STAGE I/II VAPOR TRAINING". The "WHY TRAIN WITH ECLIPSE" section includes a photo of a worker in a hard hat and safety vest, and a list of three bullet points: "20 years specializing in UST compliance and safety", "24/7 live technical support phone line", and "Account services and bulk discounts available for multiple trainings (contact us)". The "NEWS" section is titled "NEW REQUIREMENTS FOR MONTHLY UST SYSTEM & COMPLIANCE INSPECTIONS" and contains a paragraph about EPA regulations, followed by a "Read more ..." link. The browser's address bar and taskbar are visible at the bottom.

**eclipse**  
BEYOND COMPLIANCE

888.302.4875

LOGIN

Welcome to Eclipse online Operator Training

Buy Training About Us State Regulations FAQs 24/7 Tech Support My Cart

**Class C Operator Training**  
\$11.75!

**Class A and B Operator Training**  
\$150!

**Stage I/II Vapor Recovery Training**  
\$40!

ABOUT CLASS C TRAINING ABOUT CLASS A & B TRAINING ABOUT STAGE I/II VAPOR TRAINING

**WHY TRAIN WITH ECLIPSE**

- 20 years specializing in UST compliance and safety
- 24/7 live technical support phone line
- Account services and bulk discounts available for multiple trainings ([contact us](#))

**NEWS**  
**NEW REQUIREMENTS FOR MONTHLY UST SYSTEM & COMPLIANCE INSPECTIONS**

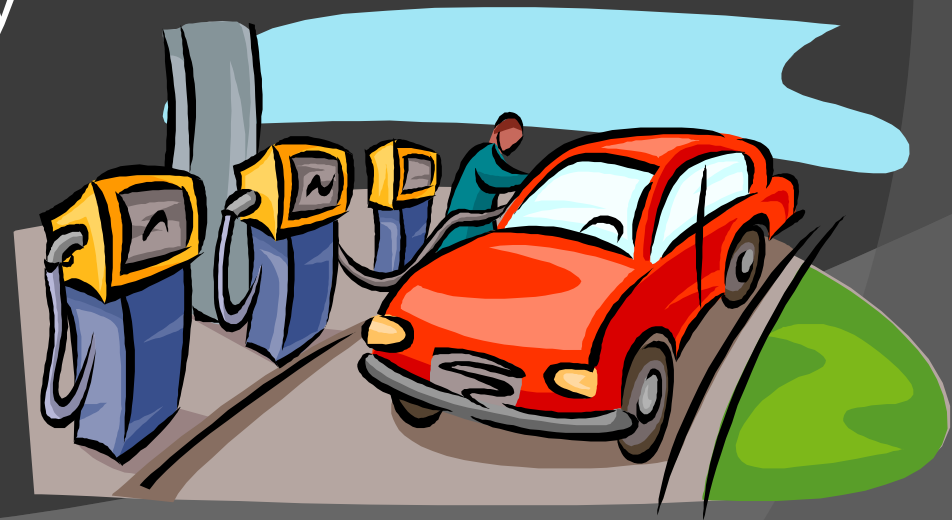
As most of you probably know, the EPA is moving forward to promulgate new regulations requiring frequent (every 30 days as a matter of fact) UST system inspections to be performed by a Class B operator or it's designee for their respective sites.

[Read more ...](#)

Internet 100%

# ECS Eclipse UST Operator Training Services

1. ICC/MADEP Exam Prep Training
2. Web-Based UST Operator Training
3. Hands On Class Room Training
4. Custom/Proprietary



# A/B Training Video

- 3-4 hour Comprehensive Training
- Hi Def - News/Documentary Style
- 7 Lessons – each lesson has a quiz
- Final exam – 60 questions (must get 80%)
- Prints Certificate
- CT and VT Approval Pending



# Online Class C Training

- 20 minute online interactive training
- Exam after training
- Identifies site specific (Where ATG, Emergency Shutoff (etc)
- Print Training Certificate
- Tracks Class C Training Activities



# Eclipse 24 x 7 Training Support Center

- Live person available everyday, all day.
- Conducive to various time zones.



# August 8, 2012

- You took the exam
- Hopefully you passed
- Now What?



# What Does It All Mean? Street Smart Compliance!

- Having Trained Personnel
- Inspections
- Recordkeeping
- Release Detection
- Inventory Control
- Keeping up with the Cs
- Ultimately Preventing Releases





# Fuzion Web Application

Response Management

Employee Training

Compliance Management

Facility Remote Monitoring

Inspection Management Services

eDocs

**eclipse**  
Fuel System Management

# Elements of Inspections



# Inspection Management for Inspection Records



## Site Info

Log Out

[FACILITY REMOTE MONITORING](#)

[eDOCS](#)

[INSPECTION MANAGEMENT SERVICES](#)

[COMPLIANCE MANAGEMENT](#)

[EMPLOYEE TRAINING](#)

[RESPONSE MANAGEMENT](#)

[USER MANAGEMENT](#)

[MAIN MENU](#)

Client Name:

### SITE SEARCH REPORTS

#### SITE INFORMATION

Facility Number: 1 Facility Type:

Alternative Facility Number:

Site Name: 1498 Carl Broggi Hwy, Lebanon, ME

Address: 1498 Carl Broggi Hwy

Address 2:

Town: Lebanon State: ME

Reinspection Recommended

Scheduled Date:

Zip: 04027

Number of Tanks: 3 Division:

Claim Number: DEP UST Site ID Number(EPHM-6)

Comments:

RP Template:

Questionnaire's Template:

	Name	Template Name	Edit	Delete
<input type="radio"/>		Maine DEP UST Inspection Summary	Edit	Delete
<input type="radio"/>		MA/ME/NH Site Inspection Worksheet	Edit	Delete
<input type="radio"/>		Greenwood Inspection (MA, ME, NH) - Short	Edit	Delete

# Edocs for Record Keeping

Eclipse Fuel System Management - Microsoft Internet Explorer



View Existing Document

FACILITY  
REMOTE  
MONITORING

Client: - Acme Oil Co

Document Type: All

Site: 107 Ella Grasso Tpk, Windsor Locks, CT

eDOCS

eDOCS STATE DOCS STATE DOCUMENT MGMT INTERNAL DOCUMENT MGMT VENDORS

INSPECTION  
MANAGEMENT  
SERVICES

COMPLIANCE  
MANAGEMENT

EMPLOYEE  
TRAINING

RESPONSE  
MANAGEMENT

MAIN MENU

**UNDERGROUND STORAGE FACILITY NOTIFICATION**

STATE OF CONNECTICUT  
Department of Environmental Protection  
UNDERGROUND STORAGE FACILITIES PROGRAM  
1000 P.O. Box 34000  
Hartford, CT 06134-0000  
TEL: (860) 424-3074

PLEASE TYPE OR PRINT ALL THREE COPIES MUST BE RETURNED  
State of Connecticut

**SECTION A:** BUSINESS NAME AND MAILING ADDRESS: Alliance Energy Corp., 36 East Industrial Road, Branford, CT 06405

**SECTION B:** OPERATOR/CONTACT PERSON: John Gargano, 36 East Industrial Road, Branford, CT 06405

**SECTION C: TABLE**

DATE OF INSTALLATION (MM/YY)	TOTAL CAPACITY (GALLONS)	TYPE OF LIQUID	EST. QUANTITY LEFT STORED (GALLONS)	DATE TANK LAST TESTED (MM/YY)	TYPE OF CONTAINMENT	CHEMICAL NAME OF ORIGINAL SUBSTANCE (Indicate last name)	TYPE OF CORROSION PROTECTION MATERIALS	TYPE OF PROTECTION	TYPE OF INSULATION	TYPE OF REPLACEMENT OR REPAIR	MONITORING SYSTEM (Specify type and location)	IS FAILURE REPAIR/REPLACE CONDUCTED?		
Example: 5/75	30	5000	X		X	Heating fuel #2	X	X	H	3	H	5/75	U	NO
Example: 7/80	-	8000		X	8/78	LA, 1990/1998/2000 GAS #7001E	X		E	7	W	7/60	U	-
1984	30	6000	X		X	Gasoline	X		AV	10	B	1988	REPAI	
1984	30	10000	X		X	Gasoline	X		AV	10	B	1998	REPAI	
1984	30	8000	X		X	Gasoline	X		AV	10	B	1998	REPAI	
1984	30	10000	X		X	Diesel	X		AV	10	B	1998	REPAI	

20. HAVE YOU ATTACHED SKETCH OF TANK AND LOCATION? YES NO

21. COMMENTS: total containment piping

COPY 1: SEND TO DEP, 79 ELLA ST, HARTFORD, CT 06105

# Release Detection & Inventory Control



Admin Home LogOut

Remote Monitoring

eDocs

Inspection Management

Compliance Management

Response Management

Client:

Site:  Exit 78-79 Montville CT 06353

72 Sites Found.

Remote Monitoring > Inventory

Tank(s):

	Site Name	Product	Capacity (gal)	Inventory (gal)	90% ULLAGE	%	Min. Volume (gal)	Last Deliv. (gal)	H2O Inches	Fuel Lvl Status	Last Poll	Details	Poll
	<a href="#">I-395 SB Montville</a>	Tank 1 - REGULAR	11,610	3,870	6,579	33.3	3,483	5,936	0.00	✓	Mar 12 2012 10:31AM		
	<a href="#">I-395 SB Montville</a>	Tank 2 - SPECIAL	9,747	2,225	6,547	22.8	2,924	1,505	0.00	✓	Mar 12 2012 10:31AM		
	<a href="#">I-395 SB Montville</a>	Tank 3 - SUPER	9,459	2,248	6,265	23.9	2,837	1,489	0.89	✓	Mar 12 2012 10:31AM		
	<a href="#">I-395 SB Montville</a>	Tank 4 - DIESEL	7,767	4,144	2,846	53.4	2,330	2,290	0.00	✓	Mar 12 2012 10:31AM		

# Questions and Answers

