

**IOWA DNR UST  
REMOVER COURSE  
REGISTRATION FORM  
OCTOBER 19, 2012**

Name: \_\_\_\_\_

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_

Email: \_\_\_\_\_

Please send completed registration form above along with a check for \$50 (made out to Iowa DNR) to address below.

**Bonnie Garrison  
Iowa DNR  
Underground Tank Section  
502 E Ninth Street  
Des Moines, IA 50319-0034**

Accounting Validation  
0884-542-0072-DA-0642

Name  
Company Name

**Questions?**

Bonnie Garrison  
Iowa Dept of Natural Resources  
Underground Storage Tank Section  
502 E Ninth Street  
Des Moines, IA 50319-0034

Phone: 515/281-6010  
E-mail: [bonnie.garrison@dnr.iowa.gov](mailto:bonnie.garrison@dnr.iowa.gov)



**Adventureland Inn  
Parkview Room  
3200 Adventureland Drive  
Hwy I-80 (Exit 142A)  
Altoona, Iowa**



**Iowa Dept of Natural Resources  
Underground Storage Tank**

**REMOVER COURSE**



**October 19, 2012  
8:00 a.m. - 4:30 p.m.**

**Adventureland Inn  
3200 Adventureland Drive  
Hwy I-80 (Exit 142A)  
Altoona, IA**





## Course Content

### 1. Underground Storage Tank (UST)

#### System Closure

8:00-8:30

- a. References and Standards
- b. Rules

### 2. Health and Safety Considerations

8:30-9:30

- a. Barricades
- b. Flammable/Combustible Fuels

**BREAK**

### 3. Pre Tank Removal Procedures

9:45-11:00

- a. Underground Utility Markings
- b. Electrical Safety
- c. Drainage Product
- d. Purging and Inerting
- e. Lower and Upper Explosive Limits

### 4. Tank Removal From Excavation

11:00-11:30

- a. Piping
- b. Removing Sludge and Cleaning the Tank

**LUNCH (on your own)**

### 5. Sampling at Tank Removal

12:30-1:30

- a. Visual Inspection
- b. Release Reporting
- c. Soil Sampling Beneath the Tank
- d. Soil Sampling Locations and Distances

### 6. Fill-In-Place

1:30-2:00

- a. Soil Sampling Requirements

**BREAK**

### 7. Appendices

2:15-2:45

- a. Qualifications for Excluding Groundwater
- b. Encountering Bedrock During Groundwater
- c. Exempt Pre -'74 Tanks AND January 1, 1974 Exclusion
- d. Monitoring Records Used in Lieu of Soil and Water Sampling

**BREAK**

### 8. Review for the Exam

3:00

### 9. Exam

3:30

**Please Note:** Review and become familiar with the [Underground Storage Tank Closure Guidance Document](#) on our website before October 19th.

The UST Closure Guidance booklet will be provided to you at the time of the course.

The remover exam is based on the UST Closure Guidance booklet. The exam is open book. You must receive a score of 85% or higher to pass the exam. The API and NFPA references mentioned on page 5 of the Guidance are important safety and removal standards that should be a part of your reference material.

#### Licensing Requirements

Upon successful completion of the course and exam, attendees will be eligible to apply for Remover Certification and Licensing in the State of Iowa.

Licensing requires 40 hour OSHA training and at least two years of UST removal or related experience. Rules for Licensing of UST Professionals are found in [567—134.17](#) IAC.

Catered refreshments paid for by Iowa Petroleum Equipment Contractors' Association (IPECA).

**Please register by October 1, 2012.**

