

Underground Storage Tank Removal Course
Friday February 21, 2014, 8:00-5:00
Adventureland Inn, Altoona

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| I. UST System Permanent Closure (DNR) | 8:00 |
| a. Why License Removers | |
| b. References and Standards | |
| c. What the rules state | |
| II. Health and Safety Considerations (Iowa OSHA) | 9:00 |
| a. Excavation and trench safety | |
| b. Confined spaces/Permit required confined space | |
| c. Hazardous atmospheres | |
| III. Break | 10:00 |
| IV. Site Safety (ISU) | 10:15 |
| a. HASP | |
| b. Barricades | |
| c. Fire Safety | |
| d. Flammable Combustible Fuels | |
| e. Bonding and Grounding | |
| f. Basics of Fire | |
| g. Extinguishers | |
| h. Life Safety | |
| V. Sampling at Tank Removal (ISU) | 11:15 |
| a. Visual Inspection | |
| b. Release Reporting | |
| c. Soil Sampling Beneath the Tank | |
| d. Soil Sampling Locations and Distances | |
| e. Soil Sampling Equipment | |
| f. Groundwater Sampling | |
| g. Laboratory Procedures for Testing Soil and Groundwater Samples | |
| h. Corrective Action Levels | |
| VI. Lunch | 12:00 |
| VII. Monitoring Equipment—Operating and Maintaining | 1:00 |
| VIII. Pre Tank Removal Procedures (DNR/ISU) | 1:30 |
| a. Purging and Inerting | |
| IX. Tank Removal and Fill in Place (DNR) | 2:00 |
| a. Piping | |
| b. Tanks | |
| c. Tank Cleaning | |
| i. Proper Disposal of Solids and Liquids | |

d. Tank Disposal

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| X. Appendices | 2:30 |
| XI. Break | 3:00 |
| XII. Pre-exam Review | 3:15 |
| XIII. Exam | 3:30 |

Please Note: Review and become familiar with the Underground Storage Tank Closure Guidance Document on our website before February 21st. Go to <http://www.iowadnr.gov/portals/idnr/uploads/ust/removalguide.pdf?amp;tabid=676>

The UST Closure Guidance booklet will be provided to those of you applying to be an Iowa Licensed Remover. For those of you already licensed, and earning your CEUs, please bring your copy of the UST Closure Guidance. You will not have to take the exam; only applicants must take the exam.

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. The exams will be graded following the course and you will receive the results by mail within 30 days. Licensing of UST Professionals is found in 567—134.17 IAC. Licensing requires 40 hour OSHA training and at least two years of UST removal or related experience.

THANK YOU...

Catered refreshments provided by Iowa Petroleum Equipment Contractors' Association (IPECA). On behalf of Iowa DNR, Iowa OSHA, IPECA and Iowa State University—Environmental Health and Safety, we would like to extend our thanks to you for participating in this Remover course.