North Carolina Department of Environment and Natural Resources
Underground Storage Tank Section

“Getting it Right the First Time”
UST Installation Application Training Seminar
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Introductions

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Logistics

• Please turn off cell phones
• Restrooms
• At the end of each session we’ll be answering brief questions that you may have
• Hold in-depth questions until the end of the presentation
Agenda

- Overview
- UST System Design I (The Basics)
- Break
- UST System Design II (Advanced Concepts)
- UST System Design III (Engineered Plans)
- Lunch
- Pre-Installation Phase (UST-6A)
- Installation Phase
- Break
- Post-Installation Phase (UST-6B)
- Q&A
Objectives

• Explain the UST-6A/UST-6B process
• Detail changes to the secondary containment requirements
• Describe unique design challenges
• Present UST Section requirements
• Reduce the likelihood of needing a resubmittal
• Answer any questions you may have
Handouts

• UST-6A/B Packet “Application to Install or Replace Underground Storage Tank Systems”
• Example Engineered Plans
• Significant Modifications Memo
Online Resources

http://portal.ncdenr.org/web/wm/ust/ustmain

• 2N Rules
• UST Forms (PDF / Word)
• Guidance Documents
• Brochures/FAQs
Installation Review Process Overview

• Implementation of the installation review process coincided with changes made to 15A NCAC 2N in 2007

• Two-fold Rationale
  – To verify that new UST system equipment installed after 11/1/2007 was in compliance with new rules
  – To document the particulars of the UST system installation with high-confidence unambiguous information
Installation Review Process Overview

Installation Reviews (UST-6A / UST-6B):
• Apply to new installations of:
  – Tanks
  – Piping (including extensions to existing piping)
  – Tanks and piping
Installation Review Process Overview

Installation Reviews (UST-6A / UST-6B):

• Do not apply to installations of only:
  – Spill buckets
  – Under dispenser containment
  – Containment sumps
  – Other ancillary equipment

• Do not apply to repairs
Installation Review Process Overview

Three Phases:

1. Pre-Installation
2. Installation
3. Post-Installation
Installation Review Process Overview

- UST SYSTEM DESIGN
- PRE-INSTALLATION
- INSTALLATION
- POST-INSTALLATION
Installation Review Process Overview

UST-6A SUBMITTAL

PRE-INSTALLATION ➔ INSTALLATION ➔ POST-INSTALLATION

UST-6A  “Application to Install or Replace Underground Storage Tank Systems (Pre-Installation)”

It is recommended that you submit Financial Responsibility and Ownership information at this time.
Installation Review Process Overview

UST-6A REVIEW

PRE-INSTALLATION  INSTALLATION  POST-INSTALLATION

UST-6A  “Application to Install or Replace Underground Storage Tank Systems (Pre-Installation)”
Installation Review Process Overview

UST-6A  “Application to Install or Replace Underground Storage Tank Systems (Pre-Installation)”
Installation Review Process Overview

- Notify the UST Section within 5 days after the tanks are installed, so that invoicing can occur prior to the completion of the installation.
Installation Review Process Overview

UST-6B  “Application to Install or Replace Underground Storage Tank Systems (Post-Installation)”
Installation Review Process Overview

UST-6B

“Application to Install or Replace Underground Storage Tank Systems (Post-Installation)”

Submit fees with UST-6B Application
Installation Review Process Overview

UST-6B REVIEW

PRE-INSTALLATION  INSTALLATION  POST-INSTALLATION

UST-6B  “Application to Install or Replace Underground Storage Tank Systems (Post-Installation)”
Installation Review Process Overview

UST-6B  “Application to Install or Replace Underground Storage Tank Systems (Post-Installation)”
UST Installation Permitting Process

Average Time To Complete Review

- **UST-6A (Pre-Installation)**
  30 Days
- **UST-6B (Post-Installation)**
  7-14 Days
UST Installation Permitting Process

Don’t Get Stuck in the Loop
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Questions?