

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



**“Getting it Right the First Time”**  
UST Installation Application Training Seminar  
June 12, 2012



# Introductions

Matt Wegner

[matt.wegner@ncdenr.gov](mailto:matt.wegner@ncdenr.gov)

(919) 707-8163

Robert Johns

[robert.johns@ncdenr.gov](mailto:robert.johns@ncdenr.gov)

(919) 707-8162

Debrah Carl

[debrah.carl@ncdenr.gov](mailto:debrah.carl@ncdenr.gov)

(704) 563-2310

# 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

NCDENR

# 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



# Installation Review Process Overview



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

“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

“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

```
graph TD; SUBMITTAL --> REVIEW; REVIEW --> REQUEST_FOR_CLARIFICATION[REQUEST FOR CLARIFICATION]; REQUEST_FOR_CLARIFICATION --> SUBMITTAL;
```

SUBMITTAL

REVIEW

REQUEST FOR  
CLARIFICATION

*Don't Get Stuck in the Loop*

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



Questions?

