

WELCOME TO THE NON-DESTRUCTIVE EXAMINATION INDEPENDENT REVIEW



Michael Terry, P.E.
August 25, 2009

Administrivia

- ▣ **Auditorium**
 - Safety - Exits
 - Restrooms & Phones
 - Food
 - Internet Access
- ▣ **Registration**
- ▣ **Lunch**
- ▣ **Dinner Sign Up**
- ▣ **Introductions**



Agenda

- ▣ **Tuesday, August 25**
 - Welcome and Opening Remarks
 - Introduction to Tanks and Current Tank Inspection Practices at SRS and Hanford
 - State-of-the-Art NDE Techniques
 - Open Discussions
 - Daily Wrap-Up



Agenda

- ▣ **Wednesday, August 26**
 - **SRS and Hanford Inspection Results**
 - **Statistical Analysis**
 - **Risk Informed Inspections**
 - **Open Discussions**
 - **Closed Panel Discussions**



Agenda



- ▣ **Closed Panel Discussions and Recommendations Preparation**
- ▣ **Management Outbrief**
- ▣ **Group Discussions**
- ▣ **Closing**

Review Objectives

- ▣ **Technique to collect data at a faster rate while maintaining the necessary resolution to make accurate assessments.**
- ▣ **How much tank inspection area is sufficient to provide adequate information on the condition of the tank on a qualitative basis?**
 - **An evaluation of statistically based, risk-informed, inspection strategies should be performed to determine their potential application for the waste tanks.**
- ▣ **Fill a gap in technology for effectively surveying the condition of the concrete vault.**

How We Will Play



- ▣ **Focus on the review questions**
- ▣ **Start on time and end on time**
- ▣ **Have the meeting at the meeting**
- ▣ **Minimize use of acronyms**
- ▣ **Leave hats at the door**
- ▣ **Respect others**
- ▣ **Listen first, be understood second**