

NASTT'S HDD GOOD PRACTICES COURSE AGENDA

Open Remarks & Introduction

Module **Background and Introduction**

Module **Equipment and Steering**

Equipment, Tooling & Steering

Steering, Locating, & Monitoring

Break (15 minutes)

Module **Design**

Basis of Design/Contract Documents

Module **Design Continued**

Design Calculations

- *Pullback Load and Pipe Stress Analysis for Plastic Pipe*
- *Pullback Load and Pipe Stress Analysis for Steel Pipe*
- *Pullback Load and Pipe Stress Analysis for Ductile Iron Pipe*
- *Hydrofracture Calculations*
- *Settlement Calculations*

Design Challenges

Break (15 minutes)

Module **Construction**

Drilling Fluids

Other HDD Construction Considerations