IP-2 Steam Generator
Lower Assemblies

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Why?

- Replaced Lower Assemblies in ’81 & ‘96
- Repurpose Mausoleum - Fukushima Gear
- July ‘14 Mausoleum Milestone
- May ‘13 RFP-Sept ‘13 Award-Apr ‘14 Mob
Turnkey Scope

WMG Lead Team:
• Dismantle Mausoleum
• Prepare/License SGLAs
• Transport & Dispose
Engineering

• Start w/Characterization
  – 200T, 166” OD, 430” Long

• U2: >A2 SCO-II
  – No 49CFR173.427(b)(1) Pkgs
  – No 49CFR107 DOT SP

• Constraints
  – 168” OD Limit
  – Avoid Hotwork/Dose

• Engineering
  – Alternatives
  – Iterative Limiter Design
Local Execution

- Coating/Installation
- Mausoleum
- Transport
Texas Execution

- Transload
- Disposal
Success Factors

• Partners & People
• Planning
• Innovation – First Full IP-2 SG/SGLA

First WCS Large Components

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Midwest Corridor

- Disposal Sites
  - SLC, UT
  - Andrews, TX
- All Xport Modes
- Op & DnD
Lessons Learned

- TERP
- Local
- NPP
Similar Components

- PWR
  - Steam Generators
    - SGLA
    - Whole SG
  - Reactor Vessel Packages - NRC
  - RV Heads
    - Intact
    - Dome
  - Pressurizers
- BWR
  - Dryers
  - HX – MSR, ADHR