

NFDI Technical Staff

Progress Since Last Meeting
and
Plans for Remainder of FY-01

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About NFDI

- **NFDI: National Facility Deactivation Initiative**
- **Purpose**
 - Proactively provide technical experience to Sites across the complex
 - Accelerate D&D
 - Reduce Cost

About NFDI (continued)

- Gaining momentum
 - Completed Pilot Deactivation Project (5/97)
 - NFDI formalized by EM-1 (6/98)
 - Established NFDI Committee
 - Strategy issued to Field Offices (7/99)
 - Combined to form National D&D Committee
 - Recipient of 2001 Vice Presidential Hammer Award

NFDI Technical Staff

- Experienced, multi-contractor team
- Prioritized deployment to DOE projects
- NFDI cost shares to jump-start projects
- NFDI develops Tools and provides them at no cost

Kinds of Assistance NFDI has Provided

- BNL/HFBR: rough D&D scope and cost estimate in a week
- Hanford Area 300: develop scope cost on 155 buildings for accelerated deactivation
- Y-12 9206: End Points; Deactivation scope and cost; AB revision; Organization redirection; Safeguards and Security streamlining
- NTS: painless scope and cost estimating for D&D

NFDI Projects

- Oak Ridge (Y-12)
 - Building 9206
 - End Point conversion
 - Safeguard and Security alignment
 - Organizational Redesign
 - RBSM
 - Y-12 Transition
 - Building 9201-5 (Alpha 5) End Points
 - Project Management Procedures

NFDI Projects (continued)

- Savannah River
 - POWERtool application for planning and estimating FDD Facilities
 - Task/Subtask structure
 - Adapt Work Unit Library

NFDI Projects (continued)

- Nevada Test Site
 - Program Integration
 - Multiple “owners” within same compound (EM, DP)
 - Demonstrate efficiencies to be gained
 - Assist with integrating programs
 - POWERtool Estimating
 - Application to five D&D facilities; extending to ER remediation projects
 - Release 2.0 POWERtool
 - Unlimited labor/waste categories
 - Centralized work unit library

NFDI Projects (continued)

- Mound
 - Technical support with site D&D Baseline
 - Project Management Plan development
 - Probabilistic Risk Assessment

NFDI Projects (continued)

- Hanford
 - Plutonium Finishing Plant
 - Transition support
 - PMP Update
 - Accelerated Closure Team (ACT) support
 - Breakthroughs/white papers/(interim) End Points
 - Safeguard and Security alignment
 - T Plant
 - Large equipment size reduction
 - LaBounty Shear Demonstration
 - Canyon deployment

NFDI Projects (continued)

- Lawrence Livermore National Lab
 - POWERtool setup
 - Building survey walkdown

NFDI Projects (continued)

- Brookhaven
 - Chaired HFBR Blue Ribbon Panel
 - Evaluations and recommendations for vessel removal
 - Single-pull versus segmentation

NFDI Projects (continued)

- Rocky Flats
 - Assisted with POWERtool application to 371
 - Safeguards & Security Lessons Learned
 - Policy level
 - EM-5
 - Contractor level
 - PA, MAA reduction

NFDI Projects (continued)

- INEEL
 - POWERtool planning / estimating
 - Established Task/subtask structure for INEEL D&D
 - Fully developed custom work unit library
 - Completed POWERtool estimate for TAN 602
 - RBSM (at TAN)
 - Alignment with requirements
 - Concluded additional S&M needed

NFDI Tools

- Tool Development
 - End Points Software
 - Version 2.0 and Users' Guide released
 - POWERtool
 - Version 2.0 now available
 - NFDI Web Site
 - Handbook/What is NFDI?--active
 - Tools, training, papers, D&D committee--under development

NFDI Workshops and Conferences

- WM 2001
 - Poster sessions
 - Pipeline surveys
 - NFDI Tools
 - Technical session
 - RBSM
 - End Points
 - POWERtool

Upcoming NFDI Projects

- Oak Ridge
 - Y-12 Transition
 - Program Plan Development
 - Transition support w/ rest of site
 - RBSM at 9212
 - Work Management System Improvements

Upcoming NFDI Projects

- Savannah River
 - POWERtool Estimating
 - Tailor Work Unit Library
 - Perform estimates on FDD Facilities
 - RBSM
 - F Area and Spent Fuel (preliminary)
 - Targets up to ~\$75 million

Upcoming NFDI Projects

- Nevada Test Site
 - Program Integration
 - Delineate exact ownership mix
 - Continue integration discussions at DOE NV
 - POWERtool Estimating
 - Install Release 2.0 on NTS Intranet
 - Conduct training/technical support
 - Perform remaining estimates

Upcoming NFDI Projects

- Hanford
 - Plutonium Finishing Plant
 - “Hundred mile” list
 - FFTF Deactivation planning
 - Breakthroughs / RBSM
 - Resource-loaded schedule
 - Cost estimate
 - PMP/PEP

Upcoming NFDI Projects

- **INEEL**
 - Further site evaluation
 - D&D Planning needs
 - RBSM

Upcoming NFDI Projects

- **Brookhaven**
 - Technical review of HFBR Baseline
 - Cost and schedule risk analysis

Upcoming NFDI Projects

- Oakland -- Schenectady SPRU
 - S&M Program review
 - End Points development
 - Authorization Basis review

Upcoming NFDI Projects

- Pipeline
 - Still being defined and scheduled

Upcoming NFDI Projects

- **Tool Development**
 - **POWERtool**
 - Version 2.0 Users' Guide
 - Version 2.0 post-beta modifications
 - **RBSM Results Database**
 - Demonstrate benefits, trends
 - **Scope and Cost Management Process (SCMP)**
 - Lessons learned at Hanford
 - Further enhance process
 - **NFDI Web Site**
 - Tools, training, papers, D&D committee