Constellation Energy®

The NMP Project Update for the Independent Spent Fuel Storage Installation (ISFSI) Project

September 15, 2009

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NMP ISFSI Project

- Nine Mile Point (NMP) Unit 1 & 2 Spent Fuel Pools will lose full core off-load reserve in 2011 and 2012 respectively unless additional storage capacity is added.
- Additional fuel storage will be provided by installation of an Independent Spent Fuel Storage Installation (ISFSI).
- NMP has standardized on the TransNuclear (TN) NUHOMS system.
- NMP will implement the ISFSI utilizing a General License.

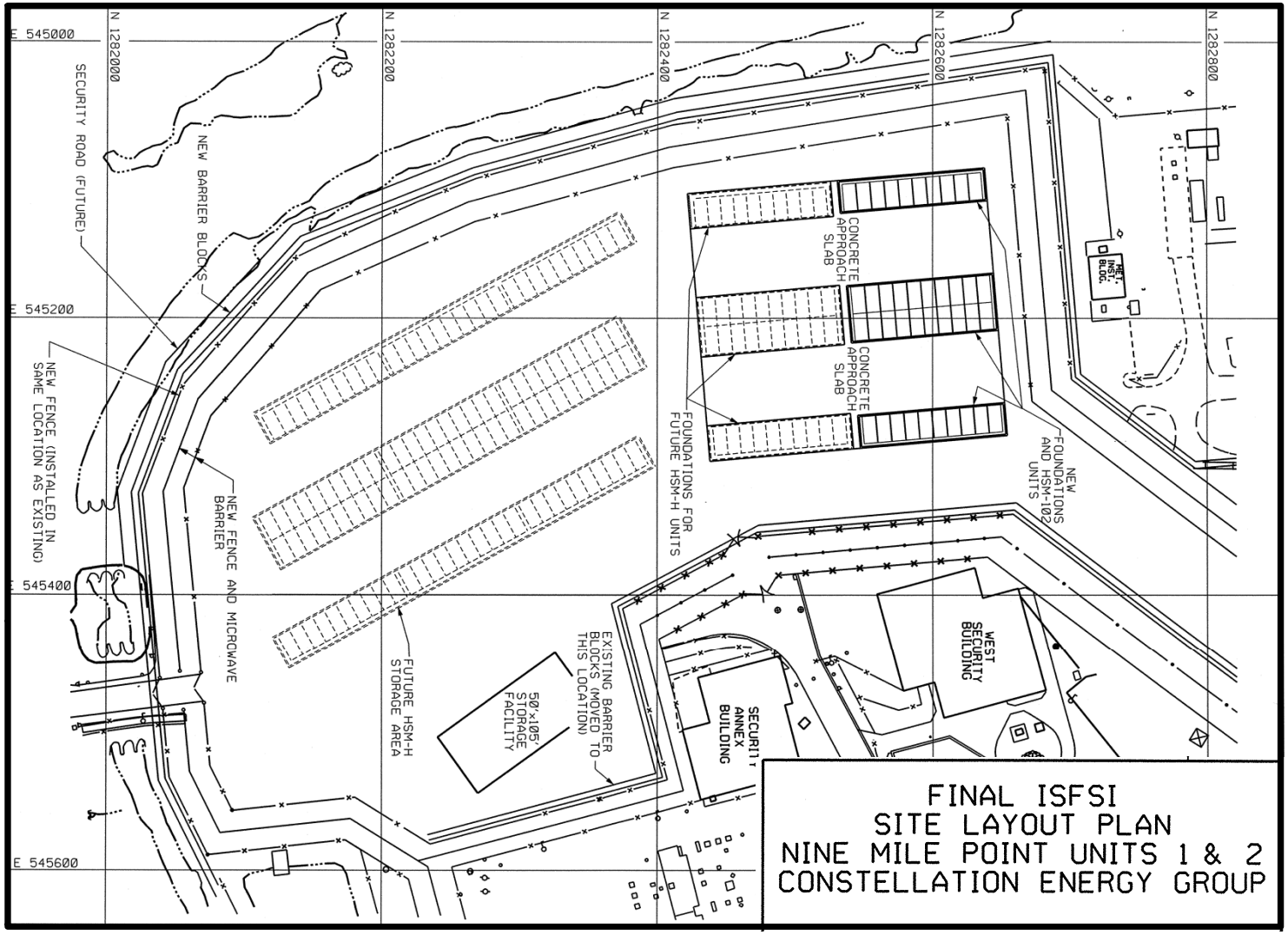
NMP ISFSI Project Scope

- The ISFSI facility will be common to both NMP Units.
- NMP ISFSI Project includes:
  - Plant modifications and crane verifications
  - New Dry Fuel Storage site
    - Pad capacity for 80 Horizontal Storage Modules (HSMs)
    - Future expansion capability to 200 HSMs
  - Installation of 40 NUHOMS HSM-102's
  - Acquisition of 40 61BT Dry Shielded Canisters (DSCs)
  - New Haul Path
  - New Equipment Storage Building
  - New Transport System and Operations Equipment
  - Turnover for Initial Unit 1 Loading Campaign

NMP ISFSI Project Milestones

- Detailed Engineering to complete – September 2010
- Pad Construction to complete – October 2010
- HSM Installation – August 2011
- Licensing Compliance – 2011
- NRC Dry Run Observation – May 2012
- Initial Loading Campaign - August 2012

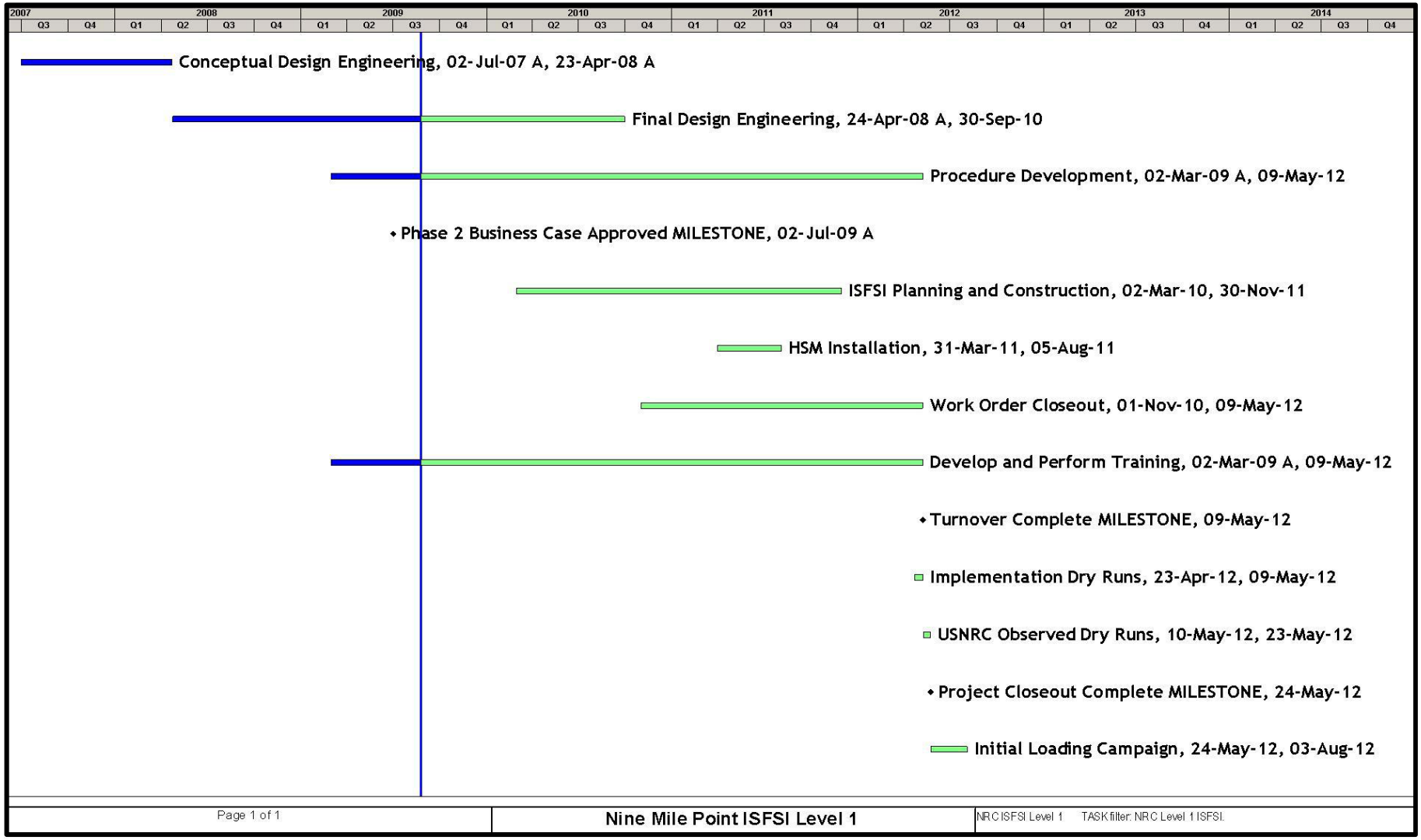
Nine Mile Point ISFSI Layout



NMP Dry Run Strategy

- Develop Fleet Procedures for common (NMP & Ginna) functions
  - Weld to Pad Procedures
    - Vacuum Drying
    - Canister Welding
    - Lid Removal
  - HSM Loading
    - Transport to Pad
    - Canister insertion / extraction
- Develop Site Procedures for specific functions
  - Pool to Weld Procedures
    - Fuel Moves
    - Crane Operations
    - Transfer Cask Manipulations in Buildings

NMP ISFSI Level 1 Schedule



Questions

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