



Dry Fuel Storage at Fort Calhoun Station



Omaha Public Power District (OPPD)
Presentation to NRC
February 19th, 2008



Agenda

- 1. Background
- 2. Crane Uprate Equipment Delivery Status
- 3. 100-Ton Transfer Cask and Transfer Trailer Availability
- 4. Key Remaining Open Issues
- 5. OPPD Schedule



Background

- March 2006 - NRC questions 72.48 for Transnuclear (TN) design change to reduce the weight of the transfer cask
- June 2006 - NRC grants exemption for loading 4 canisters
- October 2006 - NRC finds TN 72.48 evaluation for the OS197L to be invalid
- Parallel success paths developed for Phase 2 loading campaign



Background (Cont.)

Parallel Paths

- TN to amend the C of C Tech. Spec. to license the light weight transfer cask
 - Amendment 11
- OPPD to uprate the auxiliary building crane to use the standard weight transfer cask
 - OS197



Status

Licensing Activities

- TN submitted the license amendment request for the 75-ton cask design in April 2007
- OPPD met with NRC Division of Spent Fuel Storage and Transportation in September 2007
- NRC issued a letter to OPPD on TN's amendment in October 2007
- NRC issued RAIs on the TN amendment request in October 2007



Status

Licensing Activities (cont.)

- TN met with NRC to discuss RAIs in November 2007
- TN submitted RAI responses in December 2007



Crane Uprate Equipment Delivery Status

- Contract issued to PAR on February 6, 2008
- Delivery date is November 21, 2008
- Installation contract to be issued late August 2008
- Estimated installation and test completion is January 30, 2009



Changes to Previous Information

- OPPD will procure a new hook and lower block
 - Reduces trolley lifted load by 1.5 tons
 - Increases lift height by ~2 feet
 - Eliminates the 60 degrees restriction on sling angle
 - Allows use of standard cask yokes



Crane Modification Scope

- Hoist gears
- Wire rope
- Hoist drum pillow block and drum safety support
- Drum pinion pillow block
- Transfer sheave pivot pin
- Lower block and hook



Engineering Change Package

- Analysis of crane and auxiliary building for crane uprate is complete
- Crane parts contract issued
- 60 % ECP package complete
- Testing procedure
 - New load test @ 125% rated load



100-Ton Transfer Cask and Transfer Trailer Availability

- TN has a transfer cask/transfer trailer (TC/TT) available 1st quarter 2009
- USA plant has a TC/TT available starting May 2009
- Working through USA and TN



Key Remaining Open Issues

- Finalize agreements on use of TC/TT
- Establish final cask move weights
- Finalize structural analyses 125-ton cask letdown analysis
- Issue installation contract



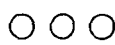
Key Remaining Open Issues (cont.)

- Issue modification package
- Install modification
- Test crane @ 125% rated load
- Revise 72.212 Report and loading procedures
- Procurement of a compatible yoke

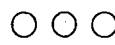
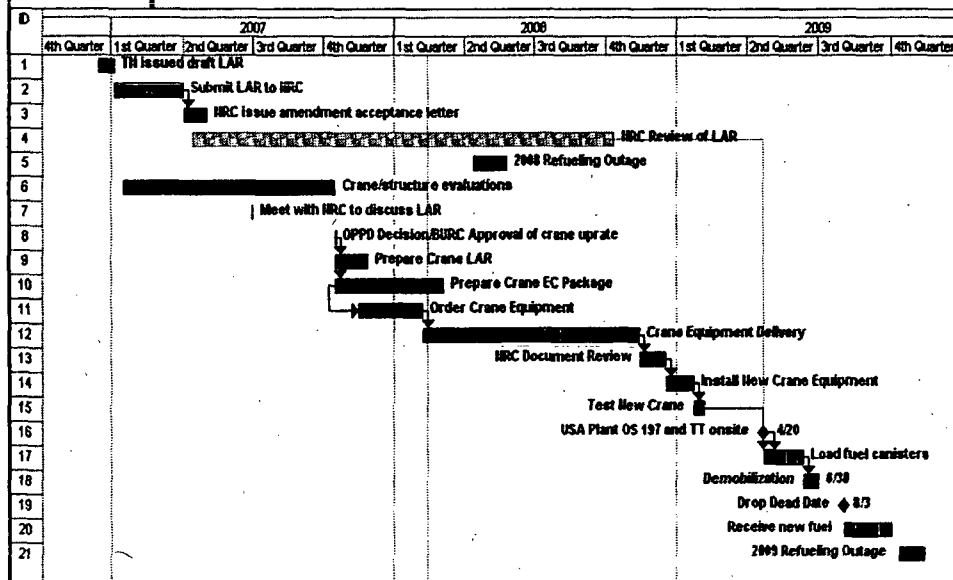


Schedule

- FCS must transfer fuel prior to new fuel receipt for Fall 2009 refueling outage
 - Crane uprate schedule
 - Cask availability
 - Amendment 11 issue
 - Kewaunee bridge welds



Schedule



Summary

- OPPD is on track to uprate the auxiliary building/crane to 106-ton capacity
- Loading window has opened up
- Approval of TN Amendment 11 by January 2009 will support OPPD contingency needs for fuel loading

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QUESTIONS/COMMENTS