

From: Brian Wittick
 To: Brian McDermott; Christopher Long; Donald Jackson; Gary Hinrichs; Geoffrey Schwartz;; James Randall Hall; Patrick Milano; Peter Habighorst; Robert Lewis; Thomas Hipschman
 Date: 4/13/05 9:10AM
 Subject: IPEC ISFSI STATUS TELECONFERENCE

The subject teleconference has been scheduled for Tuesday, 19 April at 1000. The conference phone no. is: 800-638-8081; passcode [REDACTED] EX2

EX2

Request all addrees provide desired agenda inputs and handout materials for consolidation and distribution NLT Thursday, April 16.

The teleconference moderator will be: Patrick Milano from NRC HQ (301) 415-1457.

Attached please find preliminary information on the subject (1 Word, 1 WPD and 4 PPT files) provided by Geoffrey Schwartz of IPEC for your consideration.

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 "Maintairing Public Health, Safety, and Trust"

CC: bdw2

Information in this record was deleted
 in accordance with the Freedom of Information
 Act, exemptions 2 & 4
 FOIA- 2006-0019

Portions outside scope

C/2



Indian Point Energy Center Dry Cask Storage Project

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Target Schedule as of April 1, 2005

<u>Activity</u>	<u>Schedule</u>
	(C)=Complete (IP)= In Progress
Scoping studies	Jan 02 – Feb 03 (C)
Major design engineering	Mar 03 – Sep 04 (C)
Replace Unit 2 Fuel Storage Building (FSB) loading bay floor and modify FSB access roadway ¹	Jan 04 – Jul 06 (IP)
Fabricate/install new Unit 2 spent fuel handling bridge crane	Jan – Aug 04 (C)
Fabricate 110-ton single-failure-proof gantry-cantilever crane	Jun 03 – Dec 04 (C)
Fabricate Low Profile Transporter	Jan 04 – May 05 (IP)
Fabricate casks and ancillary equipment	Apr 03 – Jun 06 (IP)
Construct equipment staging facility	May 04 – Jun 06 (IP)
ISFSI construction permitting process	Jan 03 – Sep 04 (C)
Construct ISFSI pad and security system Concrete pour – May 2005	Sep 04 – Jun 06 (IP)
Prepare draft 10CFR72.212 report, 10CFR50.68 analysis and exemption request or LAR, and gantry crane LAR	Jun 03 – Dec 05 (IP)
Develop procedures and training	Jun 03 – Dec 05 (IP)
Assemble loading team	Jun – Dec 05
Install 110-ton single-failure-proof gantry-cantilever crane And Low Profile Transporter system in FSB	May 06 – Aug 06
Site Training	Apr 04 – Sep 06 (IP)
All licensing actions complete	Sep 06
Operational demonstration (dry run)	Sep – Oct 06
Commence cask loading	Nov 06

¹ FSB physical modification work suspended Sep-Nov 2004 and Mar-May 2006 for Unit 2 refueling outages



Indian Point Energy Center Dry Cask Storage Project Overview and Status

April 2005

- **General License approach**
- **Holtec cask system**
- **Site modifications**
 - **Engineering complete**
 - **ISFSI pad construction 50% complete – rebar installation in progress, pour concrete early May**
 - **Spent Fuel Building structural modifications 40% complete**
 - **Licensing submittals, procedures and training development in progress**
- **First cask loading campaign fall 2006**
- **Proactive public outreach program**



Indian Point Energy Center Dry Cask Storage Project Accomplishments
2003-04

- Designed Independent Spent Fuel Storage Installation (ISFSI) pad and electrical/security systems
- Designed ISFSI staging facility to be used for storage of empty casks and tools, and cask on-site assembly
- Designed Unit 2 Fuel Storage Building (FSB) loading bay floor and access alleyway upgrade, including embedded systems for gantry-cantilever crane and low profile transporter
- Designed modifications to remove various interferences in FSB
- Developed and implemented ISFSI permitting strategy
- Obtained ISFSI construction permits
- Cleared land and excavated 78-cask ISFSI pad, installed engineered fill (12,000 tons), commenced rebar installation
- Installed ISFSI equipment staging facility concrete pads
- Installed 90% of interference removal modifications in FSB, including rerouting building exhaust ventilation to exterior
- Removed FSB loading bay floor slab
- Designed, fabricated and installed new spent fuel handling bridge crane in FSB; used during 2R16 refueling outage to save dose and time
- Designed, fabricated and tested industry-unique 110-ton gantry-cantilever crane (in storage at crane vendor)
- Fabricated gantry crane 100-ton counterweight system (in storage)
- Fabricated six overpack casks (in storage at cask vendor)
- Fabricated transfer cask (in storage at cask vendor)
- Fabricated cask handling tools (in storage at cask vendor)
- Fabricated vertical cask transport vehicle (crawler, in storage at cask vendor)
- Fabricated 90% industry-unique low profile cask transporter system
- Inspected 300 spent fuel assemblies for qualification for initial cask loading
- Developed and implemented informational outreach program
- Developed 10CFR72.212 report and 10CFR50.68 criticality analysis
- Developed and submitted License Amendment Request for gantry crane
- Developed cask loading procedures and training and accomplished training for Engineering Department