

NRR-PMDAPEm Resource

From: Feintuch, Karl
Sent: Tuesday, December 11, 2012 10:55 AM
To: Feintuch, Karl
Subject: MD7112 - November 27, 2012 Kewaunee Public Meeting - Presentation Notes (for Meeting Summary)
Attachments: KPS Cessation of Power Operations_final.pptx

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Attached is PowerPoint by Dominion Energy Kewaunee at Public Meeting on November 27, 2012, as documented in the meeting summary.

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(for Meeting Summary)
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"Feintuch, Karl" <Karl.Feintuch@nrc.gov>
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***DEK Considerations in Response to
Orders EA-12-049 and 051***

NRC Public Meeting

November 27, 2012

Kewaunee Power Station (KPS)

Dominion Energy Kewaunee, Inc.
(DEK)

Purpose

- Kewaunee transition to permanent shutdown announced
- Explore options to ensure compliance with orders, if
 - Full power on February 28 submittal date
 - Defueled in advance of December 2016
- Receive feedback from NRC

Major Milestones

Milestone	Date
Submit Overall Integrated Plan	Feb 2013
Shutdown and Defueled Expected	2Q 2013
First Six-month Update	Aug 2013
Order Compliance	Dec 2016

Activities For Permanent Shutdown

- DEK notified NRC on 11/2/12 of decision to permanently cease operation
- Pending transmission operator review, shutdown expected in 2Q 2013

Long Term Fuel Strategy

- Fuel must remain in the spent fuel pool (SFP) for about eight years
- Logical progression to dry cask storage

Major Impact

- SFP cooling only function relevant in orders
- Time to boil (TTB) increases significantly
 - At 12/31/16, TTB about 187 hours

Order EA-12-049 Mitigation Strategies for BDB External Events

- Applicable strategies when plant ceases operation
 - Functions of containment cooling and core cooling are not required after defueling
 - Spent fuel pool cooling must be maintained while heat load decays until dry storage
 - Decay heat load approaches steady state
 - Commercially available, portable equipment is adequate as backup

Order EA-12-051 Reliable Spent Fuel Pool Instrumentation

- Currently use narrow range with local indication and control room alarm
- Periodic verification of level preformed using existing instrumentation
- Response required for the applicable external event is long term
 - Many days available for response with onsite staff
 - Level constant for about 187 hrs (7.8 days)

Overall Integrated Plan

- DEK will submit overall integrated plan on Feb 28, 2013 for both Orders
- Proposed approach:
 - Alternative approach to NEI 12-06 and 12-02
 - High level plan appropriate for an operating unit; and
 - A detailed plan reflecting a permanently defueled unit with implementation in December 2016.