

## U.S. Nuclear Regulatory Commission Public Meeting Summary

June 24, 2019

**Title:** NRC Virtual Meeting/Webinar: Decision on Resumption of Fuel Loading Activities for Southern California Edison Company

**Meeting Identifier:** Webinar #796-681-339

**Date of Meeting:** June 3, 2019

**Location:** 1600 E Lamar Boulevard, Arlington, TX 76011

**Type of Meeting:** Category 3

**Purpose of the Meeting:** Fuel transfer operations (FTO) were suspended at San Onofre Nuclear Generating Station (SONGS) following an August 3, 2018, incident involving a loaded spent fuel storage canister that was misaligned and became stuck on a shield ring while being lowered into a storage vault. Since that time, NRC hosted three webinars to discuss the NRC's inspection activities, enforcement process, and final enforcement action which involved the licensee, Southern California Edison Company (SCE).

During the current (fourth) webinar, Linda Howell, Acting Director of the Division of Nuclear Materials Safety discussed how SCE and the NRC worked to resolve issues related to the August 3, 2018, misalignment event. The resolution to those issues involved SCE establishing corrective actions to prevent reoccurrence of a misalignment event. Those corrective actions included revised worker training requirements, procedure revisions, and new equipment.

The one outstanding issue involved scratching (or gouging) of canisters during insertion and possibly during future canister withdrawal. This was determined to be an outstanding compliance issue, not a safety issue, which needed to be resolved before SCE resumed fuel transfer operations. SCE reviewed several approaches to demonstrate that potential scratching due to incidental contact between canisters and the internal storage vault components would not exceed allowable American Society of Mechanical Engineers (ASME) Boiler & Pressure Vessel code limits. SCE ultimately performed in-situ visual assessments of downloaded canisters using robotics and three-dimensional video imaging. A statistically suitable number of canisters (eight) was examined, with imaging of all accessible canister surfaces. Using a statistical analysis methodology and the actual canister wear data, SCE concluded that there is a 95 percent probability with a 95 percent confidence level that a scratch or gouge after canister insertion and withdrawal would be less than allowable ASME code limits.

Separately, the NRC performed independent statistical assessments, using several methods, and verified that SCE's evaluation was conservative and reasonably bounds the maximum anticipated scratch depth or wear resulting from operational activities.

At this time, having addressed all of the August 3, 2018, misalignment event related corrective actions, the NRC is satisfied that SCE can resume fuel transfer operations at SONGS safely and in compliance with regulatory requirements.

**General Details:**

- Two NRC staff members participated in the webinar; approximately six staff members supported the webinar.
- Approximately 150 individuals participated in the webinar for various amounts of time.
- The meeting started at 2:00 pm CT and ended at approximately 3:00 pm CT.
- One staff members gave a formal presentation that lasted approximately 20 minutes; after the presentation, two NRC staff members answered questions for approximately 40 minutes.
- The public participants submitted approximately 70 questions during the webinar.
- An NRC facilitator was used to support the question and answer period of the public meeting.
- The webinar was recorded and will be placed on the NRC website for public review when it is available.

**Summary of Presentations:** One NRC staff member formally presented the details regarding the NRC's conclusion that SCE could resume fuel transfer operations at SONGS in a safe and compliant manner. The formal presentation included a summary of the incident, the NRC's review of the licensee's corrective actions, the NRC's final enforcement decision, and the NRC's analysis of canister scratch data from an in-situ evaluation performed at SONGS. After the formal presentation, the NRC staff answered questions from the public.

**Public Participation Themes:** Most questions and answers were technical in nature, but a few times members of the public simply provided commentary on the acceptability of the return to fuel transfer operations at SONGS or the acceptability of spent fuel storage near the Southern California coast.

**Attachments:**

- List of Attendees
- Meeting agenda (Agencywide Documents Access and Management System [ADAMS] Accession No. ML19142A273)
- Presentation slides as presented during meeting (ADAMS Accession No. ML19154A137)

ATTENDEES:

Akerson, Sarah	Fargo, Nolan	Magda, Marni	Schwartz, Laura
Albrecht, Terry	Foo, Amy	Manfield, Lucas	Sengupta, Dr. Abhijit
Alderman, Wayne	Fraser, Robert	Mannon, Steven	Severson, Maria
Allen, George	Gaglio, Elijah	Manziona, Kimberly	Sewell, Sandra
Alvarez, Madison	Gallion, Kelli	Marty, Scott	Sforza, Teri
Amiryar, Susan	Gersey, Linda	Metz, Brian	Shafer, David
Anderson, Michelle	Gilbert, John	Mignogna, Robert	Shean, Susan
Anderson, Stephanie	Gilbert, Jonathan	Montgomery, Bruce	Sheek, Kevin
Anderson, Tami	Gilmore, Donna	Mosher, Liese	Sherman, Jon
Anstaett, Sharon	Gracian, Patricia	Mullins, Brett	Simpson, Eric
Anton, Stefan	Greene, Carlyn	Munger, George	Sischo, Lucia
Atkinson, Duffy	Groves, Sylvia	Murga, Michelle	Stang, John
Barker, Laurenn	Gubbi, Veena	Nikolewski, Rob	Staub, Janet
Bates, Lisa	H, Z	Orewyler, Michael	Steinmetz, Jeff
Bauer, Tammy	Hammon, Beth	Parisi, Nicholas	Stewart, Kevin
Beck, Tyler	Han, Tzong-Ru	Peattie, James	Sutton, Ray
Bidrawn, Fred	Hanson, Christopher	Pettijohn, Mark	Swanger, Kenneth
Bloodgood, Michael	Hickman, Bill	Pfabe, John	Torres, Madge
Borchmann, Patricia	Hong, Craig	Phillips, Mike	Vaughan, Stevie
Boudart, Jan	Hunt, Michael	Phy, Matthew	Vernon, Mel
Calvo, Lucinda	Jessie, Janelle	Piccone, Josephine	Walker, Kalene
Casey, Michael	Johnson, Pamela	Poindexter, Thomas	Warren, Chris
Chang, Richard	Joy, James	Pressler, Amy	Weber, Brandon
Chappell, Coley	Kasschau, Jeffrey	Pugh, Jennifer	Weber, John
Chatlani, Shalina	Kelley, Robert	Quinn, Edward	Weil, Jenny
Chavez, Mark	Kern, Jerome	Ray, Diane	Wilkins, Lynnea
Chou, Linda	King, Matt	Roberts, Austin	Williams, Allen
Cochran, Justin	Krahel, Kyle	Rodman, Lauren	Wilson, Susan
Couch, Michaelene	Kratz, Bill	Roesner, Gary	Wise, John
Cummings, Kristopher	Ladd, Charles	Rooney, Kathleen	Wise, Russell
Dahms, A. Stephen	Langley, Charles	Ross, Mary	Wyler, Damon
David, Steven	Larondelle, Serge	Ryberg, Mark	Yep, Ed
Day, Katie	Lathrop, Leslie	Sackett, Mandy	Zalay, Andy
Emerick, Aaron	Lefman, Jake	Samayoa, Angela	
Evans, Dennis	Llorens, Anthony	Samples, Chad	
Faass, Donna	David	Schellack, Kate	

NRC VIRTUAL MEETING/WEBINAR SUMMARY: DECISION ON RESUMPTION OF FUEL LOADING ACTIVITIES FOR SOUTHERN CALIFORNIA EDISON COMPANY DATED – JUNE 24, 2019

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SUNSI Review      ADAMS:       Non-Publicly Available       Non-Sensitive      Keyword:  
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