



RESPONSE TO FREEDOM OF INFORMATION ACT (FOIA) REQUEST

FOIA

2016-0558

RESPONSE NUMBER

2

RESPONSE TYPE

INTERIM

FINAL

REQUESTER:

Paul Gunter

DATE:

07/11/2017

DESCRIPTION OF REQUESTED RECORDS:

Communications and analysis of the Exelon's Oyster Creek "Request for Extension to Comply with NRC Order EA-2013-109 Modifying Licenses with Regard to Reliable Hardened Containment Vent Capable of Operation Under Severe Accident Conditions" and the NRC decision regarding EA-2013-109.

PART I. -- INFORMATION RELEASED

You have the right to seek assistance from the NRC's FOIA Public Liaison. Contact information for the NRC's FOIA Public Liaison is available at <https://www.nrc.gov/reading-rm/foia/contact-foia.html>

- Agency records subject to the request are already available on the Public NRC Website, in Public ADAMS or on microfiche in the NRC Public Document Room.
- Agency records subject to the request are enclosed.
- Records subject to the request that contain information originated by or of interest to another Federal agency have been referred to that agency (see comments section) for a disclosure determination and direct response to you.
- We are continuing to process your request.
- See Comments.

PART I.A -- FEES

NO FEES

AMOUNT*

*See Comments for details

- You will be billed by NRC for the amount listed.
- You will receive a refund for the amount listed.
- Fees waived.

- Minimum fee threshold not met.
- Due to our delayed response, you will not be charged fees.

PART I.B -- INFORMATION NOT LOCATED OR WITHHELD FROM DISCLOSURE

- We did not locate any agency records responsive to your request. *Note:* Agencies may treat three discrete categories of law enforcement and national security records as not subject to the FOIA ("exclusions"). 5 U.S.C. 552(c). This is a standard notification given to all requesters; it should not be taken to mean that any excluded records do, or do not, exist.
 - We have withheld certain information pursuant to the FOIA exemptions described, and for the reasons stated, in Part II.
 - Because this is an interim response to your request, you may not appeal at this time. We will notify you of your right to appeal any of the responses we have issued in response to your request when we issue our final determination.
- You may appeal this final determination within 90 calendar days of the date of this response by sending a letter or e-mail to the FOIA Officer, at U.S. Nuclear Regulatory Commission, Washington, D.C. 20555-0001, or FOIA.Resource@nrc.gov. Please be sure to include on your letter or email that it is a "FOIA Appeal." You have the right to seek dispute resolution services from the NRC's Public Liaison, or the Office of Government Information Services (OGIS). Contact information for OGIS is available at <https://ogis.archives.gov/about-ogis/contact-information.htm>

PART I.C COMMENTS (Use attached Comments continuation page if required)

This second interim release contains the licensee documents, and additional NRC documents. Licensee employees' names and their contact information are redacted under (b)(6) for personal privacy reasons. Publicly available documents in this release can be found in ADAMS at ML13059A271, ML13178A007 and ML15141A120. ADAMS accession numbers for additional publicly available documents are referenced in our notes within the records in this release.

Signature - Freedom of Information Act Officer or Designee

Karen Danoff



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DATE:

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PART II.A -- APPLICABLE EXEMPTIONS

Records subject to the request are being withheld in their entirety or in part under the FOIA exemption(s) as indicated below (5 U.S.C. 552(b)).

- Exemption 1: The withheld information is properly classified pursuant to an Executive Order protecting national security information.
- Exemption 2: The withheld information relates solely to the internal personnel rules and practices of NRC.
- Exemption 3: The withheld information is specifically exempted from public disclosure by the statute indicated.
 - Sections 141-145 of the Atomic Energy Act, which prohibits the disclosure of Restricted Data or Formerly Restricted Data (42 U.S.C. 2161-2165).
 - Section 147 of the Atomic Energy Act, which prohibits the disclosure of Unclassified Safeguards Information (42 U.S.C. 2167).
 - 41 U.S.C. 4702(b), which prohibits the disclosure of contractor proposals, except when incorporated into the contract between the agency and the submitter of the proposal.
- Exemption 4: The withheld information is a trade secret or confidential commercial or financial information that is being withheld for the reason(s) indicated.
 - The information is considered to be proprietary because it concerns a licensee's or applicant's physical protection or material control and accounting program for special nuclear material pursuant to 10 CFR 2.390(d)(1).
 - The information is considered to be another type of confidential business (proprietary) information.
 - The information was submitted by a foreign source and received in confidence pursuant to 10 CFR 2.390(d)(2).
- Exemption 5: The withheld information consists of interagency or intraagency records that are normally privileged in civil litigation.
 - Deliberative process privilege.
 - Attorney work product privilege.
 - Attorney-client privilege.
- Exemption 6: The withheld information from a personnel, medical, or similar file, is exempted from public disclosure because its disclosure would result in a clearly unwarranted invasion of personal privacy.
- Exemption 7: The withheld information consists of records compiled for law enforcement purposes and is being withheld for the reason(s) indicated.
 - (A) Disclosure could reasonably be expected to interfere with an open enforcement proceeding.
 - (C) Disclosure could reasonably be expected to constitute an unwarranted invasion of personal privacy.
 - (D) The information consists of names and other information the disclosure of which could reasonably be expected to reveal identities of confidential sources.
 - (E) Disclosure would reveal techniques and procedures for law enforcement investigations or prosecutions, or guidelines that could reasonably be expected to risk circumvention of the law.
 - (F) Disclosure could reasonably be expected to endanger the life or physical safety of an individual.
 - Other

PART II.B -- DENYING OFFICIALS

In accordance with 10 CFR 9.25(g) and 9.25(h) of the U.S. Nuclear Regulatory Commission regulations, the official(s) listed below have made the determination to withhold certain information responsive to your request.

DENYING OFFICIAL	TITLE/OFFICE	RECORDS DENIED	APPELLATE OFFICIAL	
			EDO	SECY
Stephanie Blaney	FOIA Officer/OCIO	Exelon employees' names & email addresses	<input checked="" type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

Appeals must be made in writing within 90 calendar days of the date of this response by sending a letter or email to the FOIA Officer, at U.S. Nuclear Regulatory Commission, Washington, D.C. 20555-0001, or FOIA.Resource@nrc.gov. Please be sure to include on your letter or email that it is a "FOIA Appeal."

From: (b)(6) [REDACTED]
Sent: 9 Jun 2015 14:49:15 +0000
To: Hughey, John
Subject: Accepted: [EXTERNAL] FW: Oyster Creek Vent Order Extension Request

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(b)(6) **From:** [Redacted]
Sent: 22 Jun 2015 18:56:28 +0000
To: Norton, Charles;Hughey, John
Subject: [External_Sender] Oyster Creek existng Vent Line CR Initiated

Chuck and John – Per your request, the number of the Oyster Creek CR initiated for the existing vent line seismic design within the reactor building is CR # 2517869.

Please let me know if any additional information is needed.

(b)(6) [Redacted]

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(b)(6)

From: [REDACTED]
Sent: 8 Sep 2015 19:28:29 +0000
To: Hughey, John
Subject: [External_Sender] Oyster Creek SACV Order Relief Request

John – As previously discussed, I have uploaded to the eportal (Exelon Fukushima/Oyster Creek/Oyster Creek Order EA-13-109) the two Oyster Creek calculations completed to support closure of the open items regarding Phase 1 relief (i.e., seismic capability of the existing 8-inch vent line inside the RB and hydrogen concentration in the main stack). The results of these calculations will be provided in a docketed supplemental information submittal targeted for mid to late September 2015.

Please let me know if any additional information is needed.

Thanks.

(b)(6)

[REDACTED]

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The attachment is publicly available in ADAMS at ML16047A094.

(b)(6) **From:** [REDACTED]
Sent: 15 Feb 2016 20:58:16 +0000
To: Hughey, John
Subject: [External_Sender] Oyster Creek Vent Order Phase 2 Extension Request
Attachments: Oyster Creek Vent Order Phase 2 Extension Request Supplemental Information Response 02-15-16 RS-16-016.pdf

John – Attached is an advance copy of the Exelon letter to the NRC being submitted on 02-15-16 providing the Oyster Creek vent Order Phase 2 extension request supplemental information response.

Please let me know if any additional information is needed.

Thanks,

(b)(6) [REDACTED]

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From: Hughey, John
Sent: 23 Jun 2015 13:55:15 +0000
To: Halter, Mandy (Mandy.Halter@nrc.gov); Boska, John; Titus, Brett; Norton, Charles
Subject: FW: FYI - FW: OC RAI IR

Copy of OC Condition Report – see below

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

From: Lamb, John
Sent: Tuesday, June 23, 2015 6:26 AM
To: Hughey, John
Subject: FYI - FW: OC RAI IR

FYI

From: Patel, Amar
Sent: Tuesday, June 23, 2015 6:23 AM
To: Lamb, John
Cc: Kennedy, Silas; Andrews, Elizabeth
Subject: OC RAI IR

John,

Below is a recent IR written by OC staff regarding an RAI question.

Thanks

Amar

AR 02517869 Report					
Aff Fac:	Oyster Creek	AR Type:	CR	Status:	APPROVED
Aff Unit:	01	Owed To:	ACAPALL	Due Date:	07/22/2015
Aff System:	917			Event Date:	06/22/2015
CR Level/Class:	/			Disc Date:	06/22/2015
How Discovered:	H03A			Orig Date:	06/22/2015

WR/PIMS
AR:

Component
#:

Action Request Details

Subject: NRC ID: HVCS DESIGN VS. CURRENT LICENSING DESIGN BASIS?

Description: Originator: [REDACTED] Supv Contacted: [REDACTED]

Condition Description:

During recent correspondence with the NRC concerning response to RAIs (request for additional information) for the HVCS (hardened vent containment system) order, the NRC asked the following question. Does the current design of the HVCS inside 8" piping meet the current licensing design basis?

Spoke with site Mechanical Design Engineers. Below is their response.

The 8" Nitrogen Purge & Makeup lines (GN-1) inside the Reactor Building (past the containment isolation valves) were originally designed and installed as non-safety, Seismic Category II (non-seismic). As such, no formal calculations were originally prepared for this piping and supports.

It is noted that during plant construction (mid to late 60s), Seismic II / I (known as Anti-Fall down at OC) did not even exist. The piping was either Seismic Cat I (seismic) or Seismic Cat II (non-seismic). The classification of "anti-fall down" came about much later in the late 1980s. As per OC Standard ES-001, it is defined as systems or portions of systems that can fail to function (i.e. pipe break, crack or leak) in a Seismic Event, but must remain supported (i.e. pipe can't fall down).

Irrespective of that, piping that is Seismic II per Burns and Roe Specification 2299-60 A, B and C is designed to normal building code practice with the addition of 0.05g horizontal applied to the piping. SQUG evaluations included an evaluation of spatial interaction due to a Seismic event. If there was an interaction, the interacting non Seismic component was evaluated and/or modified to ensure no interaction with the Safety Related SSC.

After the SQUG Evaluations were initially performed, spatial Seismic Interaction was included in modifications such that non-Nuclear Safety components that were added were designed to be anti-fall down criteria as stipulated above. This is evident from sections 4.3.3, and 4.5.1 of Modification Design Description MDD-OC-822-A, Revision 2 that is the Design documentation for the Hardened Vent System.

As part of the design requirements, the Hardened Vent path up to and including the second Drywell/Torus isolation barriers were designed consistent with the original design basis of the plant. In this case, the piping from the drywell and torus to valves V-23-13, -14, -15 & -16 is Seismic Cat I. The rest of 8" line inside the Reactor Building remained Seismic Cat II. As for the new 10" Vent pipe outside the building, it was supported in such a way that it would not fail during a seismic event and damage safety related pipe as was typical for modifications installed at that time.

There is no specific documentation that qualifies the entire Nitrogen

(b)(6)

(b)(6)

Purge piping within the Reactor Building as Seismic II over I nor did it need there be as there is no interaction with Nuclear Safety Equipment .

Immediate actions taken:

Contacted Fukushima Project Manager, Site Mechanical Design Manager, & Licensing Manager.

Recommended Actions:

Per Site Design Engineering . close this IR to the design engineering comments provided within "condition description."

Operable Basis:

n/a

Reportable Basis:

threshold not met

Functional Basis:

n/a

(b)(6)

Reviewed by: [REDACTED] 06/22/2015 21:44:55 CDT

Reviewer Comments:

This is a process IR and does not affect plant equipment. This IR is for trending only and identifies piping design categorization.

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From: Bowen, Jeremy
Sent: 2 Jun 2014 14:32:50 -0400
To: Hughey, John
Cc: Bailey, Stewart;Norton, Charles;Titus, Brett; [redacted] (b)(6)
Subject: FW: Oyster Creek Extension Request Submittal for NRC Order EA-13-109
Attachments: 140602, OYS, Request for Extension to Comply with NRC Order EA-13-109.pdf
Importance: High

John,

For action . . . please coordinate with Stu, Chuck, and Brett.

Jeremy

The attachment is publicly available in ADAMS at ML14153A421.

(b)(6) **From:** [redacted]
Sent: Monday, June 02, 2014 2:14 PM
To: Hughey, John; Lamb, John
(b)(6) **Cc:** [redacted]
Subject: Oyster Creek Extension Request Submittal for NRC Order EA-13-109

Attached is an advance copy of the Oyster Creek extension request submittal for the Hardened Vent Order, EA-13-109. This letter was submitted via EIE today, June 2, 2014.

Thanks.

(b)(6) [redacted]

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The attachment is publicly available in ADAMS at ML14153A421.

From: Lamb, John
Sent: 2 Jun 2014 14:18:29 -0400
To: Hughey, John
Subject: FW: Oyster Creek Extension Request Submittal for NRC Order EA-13-109
Attachments: 140602, OYS, Request for Extension to Comply with NRC Order EA-13-109.pdf

(b)(6) **From:** [REDACTED]
Sent: Monday, June 02, 2014 2:14 PM
To: Hughey, John; Lamb, John
(b)(6) **Cc:** [REDACTED]
Subject: Oyster Creek Extension Request Submittal for NRC Order EA-13-109

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Thanks.

(b)(6) [REDACTED]

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From: Boska, John
Sent: 2 Jun 2014 14:35:54 -0400
To: Hughey, John
Subject: FW: Oyster Creek Extension Request Submittal for NRC Order EA-13-109
Importance: High

Fyi (you have Oyster Creek).

John Boska
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/MSD
U.S. Nuclear Regulatory Commission
301-415-2901
email: john.boska@nrc.gov

From: Lamb, John
Sent: Monday, June 02, 2014 2:34 PM
To: Boska, John
Cc: Khanna, Meena; Ennis, Rick
Subject: RE: Oyster Creek Extension Request Submittal for NRC Order EA-13-109
Importance: High

I expect this to get a lot of local media coverage, followed by local public interest groups writing letters to their House of Representatives and Senatorial officials as well as the NRC Chairman.

From: Boska, John
Sent: Monday, June 02, 2014 2:23 PM
To: Lamb, John
Subject: RE: Oyster Creek Extension Request Submittal for NRC Order EA-13-109

Thanks John.

John Boska
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/MSD
U.S. Nuclear Regulatory Commission
301-415-2901
email: john.boska@nrc.gov

From: Lamb, John
Sent: Monday, June 02, 2014 2:22 PM
To: Skeen, David; Taylor, Robert; Bowen, Jeremy; Boska, John; Reckley, William; Mitchell, Matthew; Hughey, John
Cc: Khanna, Meena; Kulp, Jeffrey; Patel, Amar; Mangan, Kevin; McNamara, Nancy; Tiff, Doug; Screnci, Diane; Sheehan, Neil; Dacus, Eugene; Weil, Jenny; Ennis, Rick; Lund, Louise
Subject: FYI: Oyster Creek Extension Request Submittal for NRC Order EA-13-109
Importance: High

(b)(6) **From:** [redacted]

Sent: Monday, June 02, 2014 2:14 PM

To: Hughey, John; Lamb, John

(b)(6) **Cc:** [redacted]

Subject: Oyster Creek Extension Request Submittal for NRC Order EA-13-109

Attached is an advance copy of the Oyster Creek extension request submittal for the Hardened Vent Order, EA-13-109. This letter was submitted via EIE today, June 2, 2014.

Thanks.

(b)(6) [redacted]

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The attachment is publicly available in ADAMS at ML14272A323.

From: Hughey, John
Sent: 26 Sep 2014 14:48:57 +0000
To: Titus, Brett;Norton, Charles
Cc: Halter, Mandy;Bowman, Eric
Subject: FW: Oyster Creek Vent Order Extension Request RAI Response Submittal
Attachments: Oyster Creek Vent Order Extension Request RAI Response 09-26-14 RS-14-243.pdf

FYI

(b)(6) **From:** [REDACTED]
Sent: Friday, September 26, 2014 9:39 AM
To: Hughey, John
(b)(6) **Cc:** Lamb, John; [REDACTED]
Subject: Oyster Creek Vent Order Extension Request RAI Response Submittal

John – Attached is an advance copy of the Oyster Creek Vent Order extension request RAI response being submitted today via EIE.

Please let me know if any additional information is needed.

Thanks.

(b)(6) [REDACTED]

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From: Lamb, John
Sent: 2 Jun 2014 14:21:38 -0400
To: Skeen, David; Taylor, Robert; Bowen, Jeremy; Boska, John; Reckley, William; Mitchell, Matthew; Hughey, John
Cc: Khanna, Meena; Kulp, Jeffrey; Patel, Amar; Mangan, Kevin; McNamara, Nancy; Tifft, Doug; Screnci, Diane; Sheehan, Neil; Dacus, Eugene; Weil, Jenny; Ennis, Rick; Lund, Louise
Subject: FYI: Oyster Creek Extension Request Submittal for NRC Order EA-13-109
Attachments: 140602, OYS, Request for Extension to Comply with NRC Order EA-13-109.pdf
Importance: High

The attachment is publicly available in ADAMS at ML14153A421.

(b)(6) **From:** [redacted]
Sent: Monday, June 02, 2014 2:14 PM
To: Hughey, John; Lamb, John
(b)(6) **Cc:** [redacted]
Subject: Oyster Creek Extension Request Submittal for NRC Order EA-13-109

Attached is an advance copy of the Oyster Creek extension request submittal for the Hardened Vent Order, EA-13-109. This letter was submitted via EIE today, June 2, 2014.

(b)(6) Thanks.
[redacted]

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(b)(6)

From: [REDACTED]
Sent: 10 Jun 2015 16:27:09 +0000
To: Hughey, John
Subject: Oyster Creek Draft Seismic Evaluation
Attachments: Oyster Creek HCVS 8 and 10-inch Piping Seismic Capabilities.docx

John – I am emailing you the Oyster Creek seismic evaluation white paper summarizing the discussion today.

Thanks.

(b)(6)

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*****DRAFT*****

Similar capabilities provided by the 8" and 10" hardened vent piping

The Electric Power Research Institute (EPRI) has documented the effects of strong earthquakes of magnitude 5.9 to 7.6 in California on various facilities of different vintages in many reports (EPRI NP-7126, "The October 1, 1987, Whittier Earthquake: Effects on Selected Power, Industrial, and Commercial Facilities", prepared by EOE Engineering, December 1990. EPRI NP-7500-SL, "The October 17, 1989, Lorna Prieta Earthquake: Effects on Selected Power and Industrial Facilities", prepared by EOE Engineering, September 1991. EPRI Report TR-103477, "The Cape Mendocino Earthquake Sequence of April 25 and 26, 1992: Effects on Electric Power Facilities", prepared by EQE International, November 1994. EPRI Report TR-103454, "The June 1992, Landers and Big Bear Earthquakes: Effects on Power and Industrial Facilities", prepared by Engineering, December 1993). These reports concluded that welded steel piping generally performed well during earthquake, even for piping with only sporadic provisions for seismic loads in pipe support systems. EPRI Report 1014608, "Seismic Evaluation Guidelines for HVAC Duct and Damper Systems", has documented seismic experience data that show most types of HVAC duct and damper systems exhibit extremely good performance under strong motion seismic loading.

The favorable earthquake performance of piping systems and HVAC ductwork was recognized in the Expedited Seismic Evaluation Process (ESEP) performed under the Fukushima Near-Term Task Force Recommendation 2.1 – Seismic. The ESEP is an interim action to compensate for a schedule extension to complete seismic risk evaluation, until December 2020 for Group 3 low seismic hazard sites such as Oyster Creek. The ESEP evaluates the seismic margin of equipment. The guidance document for ESEP, EPRI Report 3002000704, considered piping and ductwork as equipment not required to be evaluated to compensate for the schedule extension. Since this request for extension to comply with NRC Order EA-13-109 is also for a schedule extension until 2020 for Oyster Creek, it is reasonable to follow the approach of the ESEP guidance on seismic issues for the purpose of evaluating interim action requirements to compensate for a similar schedule extension.

As part of the Fukushima NTTF Recommendation 2.1: Seismic, the seismic hazard at Oyster Creek was re-evaluated and the results submitted to NRC in a Seismic Hazard and Screening Report dated March 31, 2014 (RS-14-070). The Report was prepared in accordance with EPRI Report 1025287, Seismic Evaluation Guidance (SPID). The Report concluded that the peak seismic spectral acceleration of the re-evaluated seismic hazard at Oyster Creek is lower than the licensing basis SSE. The peak seismic spectral acceleration of the re-evaluated seismic hazard is also lower than the Low Hazard Threshold defined in the SPID Guidance, qualifying Oyster Creek as a Low Seismic Hazard Site.

Therefore, based on history of favorable earthquake performance and seismic margin exhibited by piping systems, coupled with Oyster Creek being listed as a Group 3, low seismic hazard site, it is reasonable to exclude the 8" and 10" piping from further evaluations for the purpose of evaluating interim action requirements to compensate for this specific request for extension to comply with NRC Order EA-13-109.

DRAFT

The 10" piping is attached to the outside faces of the exterior walls of the Reactor Building and the Truck Air-lock. The 8" piping is located inside the Reactor Building. Walkdowns were performed by the Fukushima Team including a SQUG qualified engineer on 5/19/15 and 5/20/15 to evaluate potential seismic interactions of the piping with adjacent equipment. It was observed that the equipment above the 8" piping was typically cable trays, conduits, and ventilation ducts. It was also observed that some HVAC ductwork was located above a 20' long segment of the 10" piping.

The Oyster Creek cable trays and conduits were seismically qualified with the Seismic Qualification Utility Group Generic Implementation Procedure (SQUG-GIP) methodology. The cable trays and conduits were walked down and the walkdown results were documented in seismic qualification document SQ-OC-770-003, Rev. 0, "USI A46 Cable Tray and Conduit Seismic Walkdown". As part of the SQUG-GIP requirements, a limited analytical review of selected cable trays and conduits was performed and documented in Calculation 42112-C-001, Rev. 0, "Oyster Creek USI A46 Cable Tray and Conduit Limited Analytical Review". All outliers identified by the walkdown and analytical review were evaluated, resolved and documented in Calculation 42112-C-002, Rev. 0, "Oyster Creek A46 Cable Tray Outlier evaluation". Therefore, the cable trays and conduits above the 8" piping will remain intact during and after a Safe Shutdown Earthquake (SSE) and will not affect the 8" piping.

An operability review was performed on the safety-related secondary containment ductwork inside the Oyster Creek Reactor Building. The ductwork was part of the Reactor Building normal ventilation supply system. The review was documented in EQE Report 240031-R-001, Rev. 0, "Operability Review of HVAC Ductwork OCNCS", dated November 1997. The ductwork was evaluated using the EQE earthquake experience database and procedures consistent with those in the SQUG-GIP. The report concluded that the ductwork will maintain operability in a seismic event. The ductwork will remain intact and maintain secondary containment pressure boundary during and after an SSE. In the 5/19/15 and 5/20/15 walkdown, the Fukushima Team observed that the ductwork above the 8" piping was constructed in a manner similar to the construction of the ductwork evaluated in EQE Report 240031-R-001. No seismic vulnerabilities were identified. Furthermore, based on history of favorable earthquake performance and seismic margin exhibited by HVAC ductwork, it is reasonable to exclude the ductwork from further evaluations for the purpose of evaluating interim action requirements to compensate for this specific request. Therefore, it is concluded that the ductwork above the 8" and 10" piping will remain intact during and after an SSE and will not affect the piping below.

Based on the documented favorable seismic performance of piping systems, the robustness of the cable trays, conduits and ventilation ductwork above the subject piping, and the low seismic hazard at Oyster Creek as confirmed by the present-day NRC requirements and guidance, it is expected that the 8" and 10" piping will provide capabilities similar to seismically robust piping during and after an SSE.

(b)(6) **From:** [redacted]
Sent: 2 Jun 2014 18:14:17 +0000
To: Hughey, John; Lamb, John
(b)(6) **Cc:** [redacted]
Subject: Oyster Creek Extension Request Submittal for NRC Order EA-13-109
Attachments: 140602, OYS, Request for Extension to Comply with NRC Order EA-13-109.pdf

Attached is an advance copy of the Oyster Creek extension request submittal for the Hardened Vent Order, EA-13-109. This letter was submitted via EIE today, June 2, 2014.

Thanks.

(b)(6) [redacted]

The attachment is publicly available in ADAMS at ML14153A421.

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From:

(b)(6)

Sent:

28 Apr 2014 16:38:15 +0000

To:

Hughey, John

(b)(6)

Cc:

(b)(6)

Subject:

Oyster Creek NJPDES Permit

Attachments:

oystercreekfinalpermit.pdf

John – Attached is the NJPDES Permit issued to Oyster Creek on December 21, 2011 based on the commitment to terminate operation by December 31, 2019. This letter is publicly available.

Please let me know if any additional information is needed.

Thanks.

(b)(6)

The letter is publicly available at
<http://www.state.nj.us/dep/dwq/pdf/oystercreekfinalpermit.pdf>

This e-mail and any attachments are confidential, may contain legal, professional or other privileged information, and are intended solely for the addressee. If you are not the intended recipient, do not use the information in this e-mail in any way, delete this e-mail and notify the sender. -EXCIP

From: (b)(6)
Sent: 25 Nov 2014 18:55:25 +0000
To: Hughey, John
Subject: Oyster Creek Vent Order Extension Request Supplemental RAI Response Submittal
Attachments: Supplemental Response to RAI Regarding Request for Extension to Comply w....pdf

John – Attached is an advance copy of the Oyster Creek Vent Order extension request supplemental RAI response submittal submitted today via EIE.

Please let me know if any additional information is needed.

Thanks.

(b)(6)

Attached document publicly available in ADAMS at ML14329A263.

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(b)(6) **From:** [REDACTED]
Sent: 11 Jun 2015 13:09:10 +0000
To: Hughey, John
Subject: RE: Oyster Creek Draft Seismic Evaluation

John – A question was asked about the pipe schedule for the 8" and 10" vent piping. Per C-1302-822-5320-041 RD, Hardened Vent Piping Stress Calc, both the 8" piping and the 10" piping are schedule 40.

Thanks.

(b)(6)

[REDACTED]

(b)(6) **From:** [REDACTED]
Sent: Wednesday, June 10, 2015 12:27 PM
To: 'Hughey, John'
Subject: Oyster Creek Draft Seismic Evaluation

John – I am emailing you the Oyster Creek seismic evaluation white paper summarizing the discussion today.

Thanks.

(b)(6)

[REDACTED]

This Email message and any attachment may contain information that is proprietary, legally privileged, confidential and/or subject to copyright belonging to Exelon Corporation or its affiliates ("Exelon"). This Email is intended solely for the use of the person(s) to which it is addressed. If you are not an intended recipient, or the employee or agent responsible for delivery of this Email to the intended recipient(s), you are hereby notified that any dissemination, distribution or copying of this Email is strictly prohibited. If you have received this message in error, please immediately notify the sender and permanently delete this Email and any copies. Exelon policies expressly prohibit employees from making defamatory or offensive statements and infringing any copyright or any other legal right by Email communication. Exelon will not accept any liability in respect of such communications. -EXCIP

From: Titus, Brett
Sent: 22 Jun 2015 14:59:49 -0400
To: Hughey, John
Subject: RE: Oyster Creek existng Vent Line CR Initiated

Ok. Thanks..

From: Hughey, John
Sent: Monday, June 22, 2015 2:58 PM
To: Titus, Brett
Subject: FW: Oyster Creek existng Vent Line CR Initiated

(b)(6) Bret, [redacted] just sent this.

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

(b)(6) **From:** [redacted]
Sent: Monday, June 22, 2015 2:56 PM
To: Norton, Charles; Hughey, John
Subject: [External_Sender] Oyster Creek existng Vent Line CR Initiated

Chuck and John – Per your request, the number of the Oyster Creek CR initiated for the existing vent line seismic design within the reactor building is CR # 2517869.

Please let me know if any additional information is needed.

(b)(6) [redacted]

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(b)(6) **From:** [REDACTED]
Sent: 6 May 2015 18:42:00 +0000
To: Hughey, John
Subject: RE: Oyster Creek Extension Request.

Thanks John.

(b)(6) [REDACTED]

From: Hughey, John [mailto:John.Hughey@nrc.gov]
Sent: Wednesday, May 06, 2015 2:32 PM
(b)(6) **To:** [REDACTED]
Subject: Oyster Creek Extension Request.

(b)(6) [REDACTED]

Below are the pertinent technical issues which remain that the NRC staff desires to discuss regarding the Oyster Creek Vent Order compliance date relaxation:

1. As stated in the RAI responses from 11/25/14, the 8" existing vent pipe inside the Reactor Building has not been evaluated for seismic loads. And, the existing 10" pipe outside the Reactor Building is only equipped with "anti-falldown pipe supports". As such, the existing vent has not been shown to be "robust". The calculation that is on the ePortal for 049 compliance (OC-MISC-010) also includes opening the containment vent at 35psig, and the 6-month updates from 8/28/14 and 2/27/15 specify the use of containment venting as a part of the 049 strategies in accordance with the EPG/SAG Rev.3. This issue pertains to both Orders (049 and 109).
2. The existing vent pipe discharges its effluent into the main plant stack. Combustible gases in the stack (or potentially being discharged into the reactor building in the event of the failure of the piping as discussed above) have not been evaluated or addressed in the information provided to date.

Pertinent information since the issuance of the Phase 2 guidance

1. Similar to Phase 1 RAIs, the staff will be evaluating Oyster Creek's request against the technical guidance of NEI 13-02, Rev. 1, as endorsed by ISG-2015-01. As such, the licensee should provide a discussion of the differences between Oyster Creek's Phase 2 hardware and procedural strategies during the period of extension and the requirements of Sections B.1 and B.2 of Order EA-13-109. Utilize information from NEI 13-02, Rev.1, Section 1.2, *HCVS Guiding Principles*, as appropriate. This discussion may include any proposed compensatory measures.
2. If hardware and procedural strategies described as Option 1 (SAWA) or Option 2 (SAWA with SAWM) of NEI 13-02, Rev.1, Section 1.2, *HCVS Guiding Principles*, are to be employed during the period of extension, the licensee should provide a discussion of the capabilities of Oyster Creek's hardware and procedural strategies as compared to the guidance of NEI 13-02, Rev. 1, Appendix C, *Severe Accident*

Water Management, and Appendix I – Severe Accident Water Addition. This discussion may also include any proposed compensatory measures.

Thanks,
John

John Hughey

Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

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From: Hughey, John
Sent: 3 Feb 2016 20:19:47 +0000
(b)(6) **To:** [REDACTED]
Subject: RE: RE: Oyster Creek Phase II Vent Order Relaxation Request

(b)(6) Thanks, [REDACTED]

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

(b)(6) **From:** [REDACTED]
Sent: Wednesday, February 03, 2016 3:19 PM
To: Hughey, John <John.Hughey@nrc.gov>
Subject: [External_Sender] RE: Oyster Creek Phase II Vent Order Relaxation Request

John – We are still targeting the submittal by 2/15/16.

(b)(6) Thanks, [REDACTED]

(b)(6) **From:** Hughey, John [<mailto:John.Hughey@nrc.gov>]
Sent: Wednesday, February 03, 2016 3:15 PM
To: [REDACTED]
Subject: [EXTERNAL] Oyster Creek Phase II Vent Order Relaxation Request

Hi, (b)(6) [REDACTED]

When do you expect the Oyster Creek Phase 2 vent Order submittal to be issued?

Thanks,
John

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

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From: Titus, Brett
Sent: 3 Feb 2016 15:21:56 -0500
To: Hughey, John
Subject: RE: RE: Oyster Creek Phase II Vent Order Relaxation Request

Great. Thanks.

From: Hughey, John
Sent: Wednesday, February 03, 2016 3:21 PM
To: Titus, Brett <Brett.Titus@nrc.gov>
Subject: FW: RE: Oyster Creek Phase II Vent Order Relaxation Request
Importance: High

Brett,

(b)(6) Per [redacted] note below – Exelon expects to submit the Oyster Creek Phase 2 Vent order Relaxation request by 2/15/16.

Thanks,
John

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

(b)(6) **From:** [redacted]
Sent: Wednesday, February 03, 2016 3:19 PM
To: Hughey, John <John.Hughey@nrc.gov>
Subject: [External_Sender] RE: Oyster Creek Phase II Vent Order Relaxation Request

John – We are still targeting the submittal by 2/15/16.

Thanks.

(b)(6) [redacted]

(b)(6) **From:** Hughey, John [<mailto:John.Hughey@nrc.gov>]
Sent: Wednesday, February 03, 2016 3:15 PM
To: [redacted]
Subject: [EXTERNAL] Oyster Creek Phase II Vent Order Relaxation Request

(b)(6) Hi, [redacted]

When do you expect the Oyster Creek Phase 2 vent Order submittal to be issued?

Thanks,

John

John Hughey

Mitigation Strategies & SFP Instrumentation

Project Manager, NRR/JLD/JOMB

US Nuclear Regulatory Commission

Phone: (301) 415-3204

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e-mail: john.hughey@nrc.gov

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From: Hughey, John
Sent: 31 Jul 2015 16:42:47 +0000
To: [REDACTED]
Subject: RE: RE: Oyster Creek Teleconference

(b)(6)

(b)(6) Thanks, [REDACTED] Meeting notice on the way.

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

(b)(6) **From:** [REDACTED]
Sent: Friday, July 31, 2015 12:41 PM.
To: Hughey, John
Subject: [External_Sender] RE: Oyster Creek Teleconference

John - 8/6 at 11am is good.

Thanks,

(b)(6)

From: Hughey, John [mailto:John.Hughey@nrc.gov]
Sent: Friday, July 31, 2015 12:22 PM
To: [REDACTED]
Subject: [EXTERNAL] Oyster Creek Teleconference

(b)(6)

(b)(6)

Will next Thursday, 8/6, at 11am work for Exelon?

Thanks,
John

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

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Revised 5/23/2016

SUMMARY OF PLANT-SPECIFIC ACTIONS IN RESPONSE TO THE JAPAN NUCLEAR ACCIDENT: OYSTER CREEK NUCLEAR GENERATING STATION

NOTE: By letter dated January 7, 2011 (ML110070507), Exelon certified contingently to permanently cease operations at Oyster Creek no later than December 31, 2019 in accordance with 10 CFR 50.82. The notification is contingent upon issuance of a New Jersey Pollution Discharge Elimination System (NJPDES) permit. Since the letter dated January 7, 2011, New Jersey issued the NJPDES permit to Oyster Creek, but Exelon has never sent in a letter removing the contingent determination. This raises a legal question of has Oyster Creek met 10 CFR 50.82 or does Oyster Creek need to send a follow-up letter removing "contingent?" JLD/MSD is looking into this.

Mitigation Strategies (Order)

Oyster Creek is fully implementing the mitigations strategies order. The onsite audit was conducted the week of May 2, 2016. The licensee was found to be on track for order implementation by the Fall 2016 due date.

Implementation of the order will be completed for Oyster Creek prior to start-up from Fall 2016 refueling outage (RFO) (ML12300A448).

Spent Fuel Pool Instrumentation (Order)

Oyster Creek is fully implementing the reliable spent fuel pool instrumentation (SFPI) order. The onsite audit was conducted the week of May 2, 2016. The licensee was found to be on track for order implementation by the Fall 2016 due date.

Oyster Creek will begin SFPI installation in second quarter 2016 and complete SFPI installation and put into service in fourth quarter 2016 (ML13059A266).

Hardened Vents and Filtration (Order)

By letter dated December 13, 2013 (ML13351A413), Exelon plans to permanently shut down Oyster Creek and cease operation no later than December 31, 2019. On June 2, 2014, Exelon Generation Company, LLC (Exelon) submitted a request for an extension to comply with the NRC order for severe accident capable reliable hardened vents for the Oyster Creek Nuclear Generating Station (Agencywide Document Access and Management System (ADAMS) Accession No. ML14153A421). Based on the timelines specified in the order, Exelon was required to implement Phase 1 of the order at Oyster Creek by startup from the fall 2016 refueling outage and Phase 2 by startup from the fall 2018 refueling outage. Exelon requested an extension for both phases of the order until January 31, 2020. Oyster Creek is expected to be permanently shut down at that time. On November 16, 2015, the NRC staff issued a letter (ADAMS Accession No. ML15092A159) approving the schedule relaxation for Phase 1 of the order. Exelon submitted the Phase 2 relaxation request information on February 15, 2016 (ADAMS Accession No. ML16047A094). The request for relaxation from Phase 2 of the order remains under review.

Revised 5/23/2016

Seismic Re-Evaluations (50.54(f))

In a letter dated February 17, 2016, (ML 15350A353) the NRC staff concluded that Oyster Creek responded appropriately and has completed its response to Enclosure 1, of the 50.54(f) letter. Furthermore, the NRC staff review concluded that the reevaluated seismic hazard is bounded by the plant licensing and design basis. As such, the NRC staff concluded that no further responses or regulatory actions associated with Phase 2 of Near-Term Task Force (NTTF) Recommendation 2.1 "Seismic" are required for Oyster Creek. The referenced letter closes out the NRC's efforts associated with Phase 1 and 2 of NTTF Recommendation 2.1 "Seismic" for Oyster Creek.

Flooding Re-Evaluations (50.54(f))

Oyster Creek submitted its flooding hazard re-evaluation report on March 12, 2015 (ML15085A046). On February 9, 2016 (ML16035A265), the NRC staff issued an interim hazard letter that provided a summary of the NRC staff's assessment of Oyster Creek's re-evaluated flood-causing mechanisms. The NRC staff expects to issue the Oyster Creek staff assessment by September 2016.

Emergency Preparedness (50.54(f))

Emergency Preparedness Communication

Oyster Creek's communications assessment submittal is complete (per letter dated February 22, 2013, ML13056A135), and the NRC staff determined that the assessment of communications is reasonable, as stated in its letter, dated July 12, 2013 (ML13114A067). Exelon submitted a revision to its commitment regarding implementation of communications enhancements by letter, dated October 14, 2014 (ML14287A659). This revision did not change the implementation dates (October 31, 2016) or affect the conclusion of the NRC staff's previously issued safety assessment.

Emergency Preparedness Staffing

Since Phase 1 is only for dual units, Oyster Creek was not required to respond. The Phase 2 staffing assessment was submitted to the NRC by letter dated May 11, 2016 (ML16132A208), and is currently being reviewed by the NRC staff. The NRC staff expects to complete its review and issue a response letter within approximately 4 months.

Walkdowns (50.54(f))

Flooding

NRC completed a flooding audit at Oyster Creek in the Summer of 2013 and documented it in a letter dated January 9, 2014 (ML13277A223).

Oyster Creek completed flooding walkdowns and submitted letters dated November 19, 2012 (ML12331A203), and March 19, 2013 (ML13078A330). The NRC staff issued its staff assessment to the flooding walkdowns for Oyster Creek on June 16, 2014 (ML14065A232).

Revised 5/23/2016

Seismic

Oyster Creek completed seismic walkdowns and submitted letters dated November 19, 2012 (ML12359A007), and April 26, 2013 (ML13120A185). By letter dated April 23, 2014 (ML14084A110), NRC staff completed its staff assessment of the seismic walkdowns at Oyster Creek and in the letter acknowledged that Oyster Creek would submit a supplemental letter by March 31, 2015, addressing the remaining inaccessible items consistent with the regulatory commitment. Oyster Creek provided the supplemental letter on February 27, 2015 (ML15070A021); this was closed out based on a memo dated September 25, 2015 (ML15268A477).

SUMMARY OF PLANT-SPECIFIC ACTIONS IN RESPONSE TO THE JAPAN NUCLEAR ACCIDENT: OYSTER CREEK NUCLEAR GENERATING STATION

NOTE: By letter dated January 7, 2011 (ML110070507), Exelon certified contingently to permanently cease operations at Oyster Creek no later than December 31, 2019 in accordance with 10 CFR 50.82. The notification is contingent upon issuance of a New Jersey Pollution Discharge Elimination System (NJPDES) permit. Since the letter dated January 7, 2011, New Jersey issued the NJPDES permit to Oyster Creek, but Exelon has never sent in a letter removing the contingent determination. This raises a legal question of has Oyster Creek met 10 CFR 50.82 or does Oyster Creek need to send a follow-up letter removing "contingent?" JLD/MSD is looking into this.

Mitigation Strategies (Order)

Oyster Creek is fully implementing the mitigations strategies order.

Implementation of the order will be completed for Oyster Creek prior to start-up from Fall 2016 refueling outage (RFO) (ML12300A448).

Spent Fuel Pool Instrumentation (Order)

Oyster Creek is fully implementing the reliable spent fuel pool instrumentation (SFPI) order.

Oyster Creek will begin SFPI installation in second quarter 2016 and complete SFPI installation and put into service in fourth quarter 2016 (ML13059A266).

Hardened Vents and Filtration (Order)

By letter dated December 13, 2013 (ML13351A413), Exelon plans to permanently shut down Oyster Creek and cease operation no later than December 31, 2019. Exelon stated they are currently evaluating whether compliance with the Phase 1 and Phase 2 requirements of this Order is necessary in the specific circumstances at Oyster Creek considering the existing plant safety features currently installed, additional potential containment vent enhancements being considered, and the additional FLEX strategies being implemented in accordance with Mitigation Strategies Order at Oyster Creek. Exelon stated they are currently evaluating the plant modifications that will be required to meet the Phase 1 and Phase 2 severe accident capable vent requirements specified in this Order. Exelon expects that their evaluation will identify the need for relief from this Order. If a need for relief is identified by Exelon, Exelon plans to submit a detailed request for relief from this Order and the detailed supporting justification by June 6, 2014.

Seismic Re-Evaluations (50.54(f))

Oyster Creek was "conditionally screened in" and placed in Category 2 by the NRC in a letter dated May 9, 2014 (ML14111A147).

Flooding Re-Evaluations (50.54(f))

Oyster Creek is in Category 3 and the Oyster Creek flooding re-evaluation is due March 12, 2015.

Emergency Preparedness (50.54(f))

Emergency Preparedness Communication

Oyster Creek is complete and NRC determined that the assessment of communications is reasonable as stated in the letter dated July 12, 2013 (ML13114A067).

Emergency Preparedness Staffing

Since Phase 1 is only for dual units, Oyster Creek was not required to respond. The Phase 2 response is due May 19, 2016 and Oyster Creek intends to meet that implementation date.

Walkdowns (50.54(f))

Flooding

NRC completed a flooding audit at Oyster Creek in the Summer of 2013 and documented it in a letter dated January 9, 2014 (ML13277A223).

Oyster Creek completed flooding walkdowns and submitted letters dated November 19, 2012 (ML12331A203), and March 19, 2013 (ML13078A330). The NRC staff is working on a staff assessment to the flooding walkdowns for Oyster Creek and expects to issue this public document in a couple of weeks.

Seismic

Oyster Creek completed seismic walkdowns and submitted letters dated November 19, 2012 (ML12359A007), and April 26, 2013 (ML13120A185). By letter dated April 23, 2014 (ML14084A110), NRC staff completed its staff assessment of the seismic walkdowns at Oyster Creek and in the letter acknowledged that Oyster Creek plans to submit a supplemental letter by March 31, 2015, addressing the remaining inaccessible items consistent with the regulatory commitment.

**SUMMARY OF PLANT-SPECIFIC ACTIONS IN
RESPONSE TO THE JAPAN NUCLEAR ACCIDENT:
OYSTER CREEK NUCLEAR GENERATING STATION
(AS OF MAY 20, 2015)**

NOTE: By letter dated January 7, 2011 (ML110070507), Exelon certified contingently to permanently cease operations at Oyster Creek no later than December 31, 2019 in accordance with 10 CFR 50.82. By letter dated December 30, 2014 (ML14365A067), Exelon submitted the Preliminary Decommissioning Cost Estimate and Spent Fuel Management Plan.

Mitigation Strategies (Order)

Oyster Creek is fully implementing the mitigations strategies order.

Implementation of the order will be completed for Oyster Creek prior to start-up from Fall 2016 refueling outage (RFO) (ML12300A448).

Spent Fuel Pool Instrumentation (Order)

Oyster Creek is fully implementing the reliable spent fuel pool instrumentation (SFPI) order.

Oyster Creek will begin SFPI installation in second quarter 2016 and complete SFPI installation and put into service in fourth quarter 2016 (ML13059A266).

Hardened Vents and Filtration (Order)

By letter dated December 13, 2013 (ML13351A413), Exelon plans to permanently shut down Oyster Creek and cease operation no later than December 31, 2019. Exelon stated they are currently evaluating whether compliance with the Phase 1 and Phase 2 requirements of this Order is necessary in the specific circumstances at Oyster Creek considering the existing plant safety features currently installed, additional potential containment vent enhancements being considered, and the additional FLEX strategies being implemented in accordance with Mitigation Strategies Order at Oyster Creek. Exelon submitted a letter, dated June 2, 2014 (ML14153A421), requesting an extension for the plant modifications that will be required to meet the Phase 1 and Phase 2 severe accident capable vent requirements specified in this Order. The NRC staff issued a Request for Additional Information (RAI) by letter dated August 27, 2014 (ML14220A027). Exelon responded to the RAI by letter dated September 26, 2014 (ML14272A323). Exelon provided a supplement to the RAI by letter dated November 25, 2014 (ML14329A263). The NRC staff is currently reviewing the extension requests and expects to make a decision in the next several months.

Seismic Re-Evaluations (50.54(f))

Oyster Creek was "conditionally screened in" and placed in Category 2 by the NRC in a letter dated May 9, 2014 (ML14111A147).

On June 17, 2014, the NRC staff held a Category 1 public meeting with Exelon to discuss issues resulting from the staff's screening and prioritization of Oyster Creek. The meeting summary is dated August 11, 2014 (ML14175A518). By letter dated August 21, 2014 (ML14234A124), Exelon provided supplemental information to address the NRC staff technical questions and issues resulting from the NRC's preliminary review of the seismic hazard re-evaluation report provided for Oyster Creek, as discussed at the NRC-Exelon meeting held on June 17, 2014.

By letter dated November 28, 2014 (ML14307A638), the NRC staff transmitted the result of the screening and prioritization of the seismic hazard submittal for Oyster Creek. Oyster Creek screened in and is Category 3. Risk evaluations for Category 3 plants are due by December 31, 2020. The NRC staff plans to issue an assessment for Oyster Creek on the reevaluated seismic hazard no later than the third quarter 2015.

By letter dated December 19, 2014 (ML14353A332), Oyster Creek provided the Expedited Seismic Evaluation Process Report.

Flooding Re-Evaluations (50.54(f))

Oyster Creek is in Category 3 and the Oyster Creek flooding re-evaluation was submitted March 12, 2015.

Emergency Preparedness (50.54(f))

Emergency Preparedness Communication

Oyster Creek is complete and NRC determined that the assessment of communications is reasonable as stated in the letter dated July 12, 2013 (ML13114A067).

Emergency Preparedness Staffing

Since Phase 1 is only for dual units, Oyster Creek was not required to respond. The Phase 2 response is due May 19, 2016 and Oyster Creek intends to meet that implementation date.

Walkdowns (50.54(f))

Flooding

NRC completed a flooding audit at Oyster Creek in the Summer of 2013 and documented it in a letter dated January 9, 2014 (ML13277A223).

Oyster Creek completed flooding walkdowns and submitted letters dated November 19, 2012 (ML12331A203), and March 19, 2013 (ML13078A330). The NRC staff issued a staff assessment to the flooding walkdowns for Oyster Creek by letter dated June 16, 2014 (ML14065A232).

Seismic

Oyster Creek completed seismic walkdowns and submitted letters dated November 19, 2012 (ML12359A007), and April 26, 2013 (ML13120A185). By letter dated April 23, 2014 (ML14084A110), NRC staff completed its staff assessment of the seismic walkdowns at Oyster Creek and in the letter acknowledged that Oyster Creek plans to submit a supplemental letter by March 31, 2015, addressing the remaining inaccessible items consistent with the regulatory commitment. By letter dated February 27, 2015 (ML15070A021), Exelon provided the updated information.

**SUMMARY OF PLANT-SPECIFIC ACTIONS IN
RESPONSE TO THE JAPAN NUCLEAR ACCIDENT:
OYSTER CREEK NUCLEAR GENERATING STATION
(AS OF JANUARY 14, 2015)**

NOTE: By letter dated January 7, 2011 (ML110070507), Exelon certified contingently to permanently cease operations at Oyster Creek no later than December 31, 2019 in accordance with 10 CFR 50.82. By letter dated December 30, 2014 (ML14365A067), Exelon submitted the Preliminary Decommissioning Cost Estimate and Spent Fuel Management Plan.

Mitigation Strategies (Order)

Oyster Creek is fully implementing the mitigations strategies order.

Implementation of the order will be completed for Oyster Creek prior to start-up from Fall 2016 refueling outage (RFO) (ML12300A448).

Spent Fuel Pool Instrumentation (Order)

Oyster Creek is fully implementing the reliable spent fuel pool instrumentation (SFPI) order.

Oyster Creek will begin SFPI installation in second quarter 2016 and complete SFPI installation and put into service in fourth quarter 2016 (ML13059A266).

Hardened Vents and Filtration (Order)

By letter dated December 13, 2013 (ML13351A413), Exelon plans to permanently shut down Oyster Creek and cease operation no later than December 31, 2019. Exelon stated they are currently evaluating whether compliance with the Phase 1 and Phase 2 requirements of this Order is necessary in the specific circumstances at Oyster Creek considering the existing plant safety features currently installed, additional potential containment vent enhancements being considered, and the additional FLEX strategies being implemented in accordance with Mitigation Strategies Order at Oyster Creek. Exelon submitted a letter, dated June 2, 2014 (ML14153A421), requesting an extension for the plant modifications that will be required to meet the Phase 1 and Phase 2 severe accident capable vent requirements specified in this Order. The NRC staff issued a Request for Additional Information (RAI) by letter dated August 27, 2014 (ML14220A027). Exelon responded to the RAI by letter dated September 26, 2014 (ML14272A323). Exelon provided a supplement to the RAI by letter dated November 25, 2014 (ML14329A263). The NRC staff is currently reviewing the extension requests and expects to make a decision in the next several months.

Seismic Re-Evaluations (50.54(f))

Oyster Creek was "conditionally screened in" and placed in Category 2 by the NRC in a letter dated May 9, 2014 (ML14111A147).

On June 17, 2014, the NRC staff held a Category 1 public meeting with Exelon to discuss issues resulting from the staff's screening and prioritization of Oyster Creek. The meeting summary is dated August 11, 2014 (ML14175A518). By letter dated August 21, 2014 (ML14234A124), Exelon provided supplemental information to address the NRC staff technical questions and issues resulting from the NRC's preliminary review of the seismic hazard re-evaluation report provided for Oyster Creek, as discussed at the NRC-Exelon meeting held on June 17, 2014.

By letter dated November 28, 2014 (ML14307A638), the NRC staff transmitted the result of the screening and prioritization of the seismic hazard submittal for Oyster Creek. Oyster Creek screened in and is Category 3. Risk evaluations for Category 3 plants are due by December 31, 2020. The NRC staff plans to issue an assessment for Oyster Creek on the reevaluated seismic hazard no later than the third quarter 2015.

By letter dated December 19, 2014 (ML14353A332), Oyster Creek provided the Expedited Seismic Evaluation Process Report.

Flooding Re-Evaluations (50.54(f))

Oyster Creek is in Category 3 and the Oyster Creek flooding re-evaluation is due March 12, 2015.

Emergency Preparedness (50.54(f))

Emergency Preparedness Communication

Oyster Creek is complete and NRC determined that the assessment of communications is reasonable as stated in the letter dated July 12, 2013 (ML13114A067).

Emergency Preparedness Staffing

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Walkdowns (50.54(f))

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Seismic

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Lamb, John

From: Lamb, John
Sent: Monday, May 23, 2016 4:04 PM
To: Cruz, Luis
Subject: RE: Question on JLD matters for Oyster Creek
Attachments: Summary of JLD Actions for Oyster Creek_May 2016.docx

Importance: High

Luis,

Silas asked me for an update last week of the Oyster Creek JLD activities. I told him last week we would get the update by Friday; however, the NRR computer system was down last Thursday. So, I sent Silas an email this morning with the info.

Attached is what I sent.

Thanks.
John

From: Cruz, Luis
Sent: Monday, May 23, 2016 3:57 PM
To: Lamb, John <John.Lamb@nrc.gov>
Subject: Question on JLD matters for Oyster Creek

Hi John,

Do you know who is the PM for Oyster Creek's JLD actions? I'm trying to get status on OC's implementation of Fukushima related orders, and I'm missing their most recent update. The public website shows their last 6-month updates for September/2015 and those indicate that there should've been one issued in February 2016. I'm trying to get that info to Silas in preparation for OC's annual assessment meeting this Thursday.

This is the website I'm referring to: <http://www.nrc.gov/reactors/operating/ops-experience/japan/plants/oc.html>

Thanks,

-Luis

Luis Cruz

Project Engineer
(Resident Inspector Program)
RI/DRP/TSAB
t. 610-337-5012
e. Luis.Cruz@nrc.gov

SUMMARY OF PLANT-SPECIFIC ACTIONS IN RESPONSE TO THE JAPAN NUCLEAR ACCIDENT: OYSTER CREEK NUCLEAR GENERATING STATION

NOTE: By letter dated January 7, 2011 (ML110070507), Exelon certified contingently to permanently cease operations at Oyster Creek no later than December 31, 2019 in accordance with 10 CFR 50.82. The notification is contingent upon issuance of a New Jersey Pollution Discharge Elimination System (NJPDES) permit. Since the letter dated January 7, 2011, New Jersey issued the NJPDES permit to Oyster Creek, but Exelon has never sent in a letter removing the contingent determination. This raises a legal question of has Oyster Creek met 10 CFR 50.82 or does Oyster Creek need to send a follow-up letter removing "contingent?" JLD/MSD is looking into this.

Mitigation Strategies (Order)

Oyster Creek is fully implementing the mitigations strategies order. The onsite audit was conducted the week of May 2, 2016. The licensee was found to be on track for order implementation by the Fall 2016 due date.

Implementation of the order will be completed for Oyster Creek prior to start-up from Fall 2016 refueling outage (RFO) (ML12300A448).

Spent Fuel Pool Instrumentation (Order)

Oyster Creek is fully implementing the reliable spent fuel pool instrumentation (SFPI) order. The onsite audit was conducted the week of May 2, 2016. The licensee was found to be on track for order implementation by the Fall 2016 due date.

Oyster Creek will begin SFPI installation in second quarter 2016 and complete SFPI installation and put into service in fourth quarter 2016 (ML13059A266).

Hardened Vents and Filtration (Order)

By letter dated December 13, 2013 (ML13351A413), Exelon plans to permanently shut down Oyster Creek and cease operation no later than December 31, 2019. On June 2, 2014, Exelon Generation Company, LLC (Exelon) submitted a request for an extension to comply with the NRC order for severe accident capable reliable hardened vents for the Oyster Creek Nuclear Generating Station (Agencywide Document Access and Management System (ADAMS) Accession No. ML14153A421). Based on the timelines specified in the order, Exelon was required to implement Phase 1 of the order at Oyster Creek by startup from the fall 2016 refueling outage and Phase 2 by startup from the fall 2018 refueling outage. Exelon requested an extension for both phases of the order until January 31, 2020. Oyster Creek is expected to be permanently shut down at that time. On November 16, 2015, the NRC staff issued a letter (ADAMS Accession No. ML15092A159) approving the schedule relaxation for Phase 1 of the order. Exelon submitted the Phase 2 relaxation request information on February 15, 2016 (ADAMS Accession No. ML16047A094). The request for relaxation from Phase 2 of the order remains under review.

Revised 5/23/2016

Seismic Re-Evaluations (50.54(f))

In a letter dated February 17, 2016, (ML 15350A353) the NRC staff concluded that Oyster Creek responded appropriately and has completed its response to Enclosure 1, of the 50.54(f) letter. Furthermore, the NRC staff review concluded that the reevaluated seismic hazard is bounded by the plant licensing and design basis. As such, the NRC staff concluded that no further responses or regulatory actions associated with Phase 2 of Near-Term Task Force (NTTF) Recommendation 2.1 "Seismic" are required for Oyster Creek. The referenced letter closes out the NRC's efforts associated with Phase 1 and 2 of NTTF Recommendation 2.1 "Seismic" for Oyster Creek.

Flooding Re-Evaluations (50.54(f))

Oyster Creek submitted its flooding hazard re-evaluation report on March 12, 2015 (ML15085A046). On February 9, 2016 (ML16035A265), the NRC staff issued an interim hazard letter that provided a summary of the NRC staff's assessment of Oyster Creek's re-evaluated flood-causing mechanisms. The NRC staff expects to issue the Oyster Creek staff assessment by September 2016.

Emergency Preparedness (50.54(f))

Emergency Preparedness Communication

Oyster Creek's communications assessment submittal is complete (per letter dated February 22, 2013, ML13056A135), and the NRC staff determined that the assessment of communications is reasonable, as stated in its letter, dated July 12, 2013 (ML13114A067). Exelon submitted a revision to its commitment regarding implementation of communications enhancements by letter, dated October 14, 2014 (ML14287A659). This revision did not change the implementation dates (October 31, 2016) or affect the conclusion of the NRC staff's previously issued safety assessment.

Emergency Preparedness Staffing

Since Phase 1 is only for dual units, Oyster Creek was not required to respond. The Phase 2 staffing assessment was submitted to the NRC by letter dated May 11, 2016 (ML16132A208), and is currently being reviewed by the NRC staff. The NRC staff expects to complete its review and issue a response letter within approximately 4 months.

Walkdowns (50.54(f))

Flooding

NRC completed a flooding audit at Oyster Creek in the Summer of 2013 and documented it in a letter dated January 9, 2014 (ML13277A223).

Oyster Creek completed flooding walkdowns and submitted letters dated November 19, 2012 (ML12331A203), and March 19, 2013 (ML13078A330). The NRC staff issued its staff assessment to the flooding walkdowns for Oyster Creek on June 16, 2014 (ML14065A232).

Revised 5/23/2016

Seismic

Oyster Creek completed seismic walkdowns and submitted letters dated November 19, 2012 (ML12359A007), and April 26, 2013 (ML13120A185). By letter dated April 23, 2014 (ML14084A110), NRC staff completed its staff assessment of the seismic walkdowns at Oyster Creek and in the letter acknowledged that Oyster Creek would submit a supplemental letter by March 31, 2015, addressing the remaining inaccessible items consistent with the regulatory commitment. Oyster Creek provided the supplemental letter on February 27, 2015 (ML15070A021); this was closed out based on a memo dated September 25, 2015 (ML15268A477).

Lamb, John

From: Lamb, John
Sent: Monday, May 23, 2016 11:30 AM
To: Kennedy, Silas
Cc: Khanna, Meena; Huffman, William; Patel, Amar; Andrews, Elizabeth; Titus, Brett; Hughey, John; Boska, John; Bamford, Peter; Govan, Tekia
Subject: Oyster Creek - Summary of JLD Actions - May 2016
Attachments: Summary of JLD Actions for Oyster Creek_May 2016.docx
Importance: High

Silas,

Attached, as requested, is the summary of all the JLD actions for Oyster Creek, as of today. I hope this helps.

Thanks,
John

Revised 5/23/2016

SUMMARY OF PLANT-SPECIFIC ACTIONS IN RESPONSE TO THE JAPAN NUCLEAR ACCIDENT: OYSTER CREEK NUCLEAR GENERATING STATION

NOTE: By letter dated January 7, 2011 (ML110070507), Exelon certified contingently to permanently cease operations at Oyster Creek no later than December 31, 2019 in accordance with 10 CFR 50.82. The notification is contingent upon issuance of a New Jersey Pollution Discharge Elimination System (NJPDES) permit. Since the letter dated January 7, 2011, New Jersey issued the NJPDES permit to Oyster Creek, but Exelon has never sent in a letter removing the contingent determination. This raises a legal question of has Oyster Creek met 10 CFR 50.82 or does Oyster Creek need to send a follow-up letter removing "contingent?" JLD/MSD is looking into this.

Mitigation Strategies (Order)

Oyster Creek is fully implementing the mitigations strategies order. The onsite audit was conducted the week of May 2, 2016. The licensee was found to be on track for order implementation by the Fall 2016 due date.

Implementation of the order will be completed for Oyster Creek prior to start-up from Fall 2016 refueling outage (RFO) (ML12300A448).

Spent Fuel Pool Instrumentation (Order)

Oyster Creek is fully implementing the reliable spent fuel pool instrumentation (SFPI) order. The onsite audit was conducted the week of May 2, 2016. The licensee was found to be on track for order implementation by the Fall 2016 due date.

Oyster Creek will begin SFPI installation in second quarter 2016 and complete SFPI installation and put into service in fourth quarter 2016 (ML13059A266).

Hardened Vents and Filtration (Order)

By letter dated December 13, 2013 (ML13351A413), Exelon plans to permanently shut down Oyster Creek and cease operation no later than December 31, 2019. On June 2, 2014, Exelon Generation Company, LLC (Exelon) submitted a request for an extension to comply with the NRC order for severe accident capable reliable hardened vents for the Oyster Creek Nuclear Generating Station (Agencywide Document Access and Management System (ADAMS) Accession No. ML14153A421). Based on the timelines specified in the order, Exelon was required to implement Phase 1 of the order at Oyster Creek by startup from the fall 2016 refueling outage and Phase 2 by startup from the fall 2018 refueling outage. Exelon requested an extension for both phases of the order until January 31, 2020. Oyster Creek is expected to be permanently shut down at that time. On November 16, 2015, the NRC staff issued a letter (ADAMS Accession No. ML15092A159) approving the schedule relaxation for Phase 1 of the order. Exelon submitted the Phase 2 relaxation request information on February 15, 2016 (ADAMS Accession No. ML16047A094). The request for relaxation from Phase 2 of the order remains under review.

Revised 5/23/2016

Seismic Re-Evaluations (50.54(f))

In a letter dated February 17, 2016, (ML 15350A353) the NRC staff concluded that Oyster Creek responded appropriately and has completed its response to Enclosure 1, of the 50.54(f) letter. Furthermore, the NRC staff review concluded that the reevaluated seismic hazard is bounded by the plant licensing and design basis. As such, the NRC staff concluded that no further responses or regulatory actions associated with Phase 2 of Near-Term Task Force (NTTF) Recommendation 2.1 "Seismic" are required for Oyster Creek. The referenced letter closes out the NRC's efforts associated with Phase 1 and 2 of NTTF Recommendation 2.1 "Seismic" for Oyster Creek.

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Emergency Preparedness (50.54(f))

Emergency Preparedness Communication

Oyster Creek's communications assessment submittal is complete (per letter dated February 22, 2013, ML13056A135), and the NRC staff determined that the assessment of communications is reasonable, as stated in its letter, dated July 12, 2013 (ML13114A067). Exelon submitted a revision to its commitment regarding implementation of communications enhancements by letter, dated October 14, 2014 (ML14287A659). This revision did not change the implementation dates (October 31, 2016) or affect the conclusion of the NRC staff's previously issued safety assessment.

Emergency Preparedness Staffing

Since Phase 1 is only for dual units, Oyster Creek was not required to respond. The Phase 2 staffing assessment was submitted to the NRC by letter dated May 11, 2016 (ML16132A208), and is currently being reviewed by the NRC staff. The NRC staff expects to complete its review and issue a response letter within approximately 4 months.

Walkdowns (50.54(f))

Flooding

NRC completed a flooding audit at Oyster Creek in the Summer of 2013 and documented it in a letter dated January 9, 2014 (ML13277A223).

Oyster Creek completed flooding walkdowns and submitted letters dated November 19, 2012 (ML12331A203), and March 19, 2013 (ML13078A330). The NRC staff issued its staff assessment to the flooding walkdowns for Oyster Creek on June 16, 2014 (ML14065A232).

Revised 5/23/2016

Seismic

Oyster Creek completed seismic walkdowns and submitted letters dated November 19, 2012 (ML12359A007), and April 26, 2013 (ML13120A185). By letter dated April 23, 2014 (ML14084A110), NRC staff completed its staff assessment of the seismic walkdowns at Oyster Creek and in the letter acknowledged that Oyster Creek would submit a supplemental letter by March 31, 2015, addressing the remaining inaccessible items consistent with the regulatory commitment. Oyster Creek provided the supplemental letter on February 27, 2015 (ML15070A021); this was closed out based on a memo dated September 25, 2015 (ML15268A477).

Lamb, John

From: Titus, Brett
Sent: Friday, May 20, 2016 5:47 PM
To: Hughey, John; Govan, Tekia
Cc: Lamb, John
Subject: RE: FYI - Oyster Creek JLD Summary
Attachments: Summary of JLD Actions for Oyster Creek_Titus Input.docx

Hey John,

I was running a little behind because of the issues with the data center, but I have the requested update in the attached file.

As you know, I will be attending the Oyster Creek AAM as a HQ rep on the Hardened Vent Order Extension, but, if something else comes up that I can confidently address, I will do so.

Let me know if you have any questions.

Thanks,
Brett

From: Hughey, John
Sent: Friday, May 20, 2016 2:10 PM
To: Titus, Brett <Brett.Titus@nrc.gov>; Govan, Tekia <Tekia.Govan@nrc.gov>
Cc: Lamb, John <John.Lamb@nrc.gov>
Subject: FW: FYI - Oyster Creek JLD Summary
Importance: High

Brett and Tekia,

With the computer outage most of yesterday I would imagine that you may need a little more time to finalize your updates for the attached summary. The annual assessment meeting is next Thursday and I will be out of the office next week. So, I thought that I would ask if you would please provide your updates directly to the DORL PM, John Lamb.

Brett Titus - **Seismic Re-Evaluations (50.54(f)); Walkdowns (50.54(f)) - Seismic**

Tekia Govan - **Flooding Re-Evaluations (50.54(f)); Walkdowns (50.54(f)) - Flooding**

All other sections related to the Orders (FLEX, SFPI, Hardened Vents) and EP Staffing have been updated in the Attached.

Thanks,
John

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204

Office: O13-H08
e-mail: john.hughey@nrc.gov

Revised 5/20/2016

SUMMARY OF PLANT-SPECIFIC ACTIONS IN RESPONSE TO THE JAPAN NUCLEAR ACCIDENT: OYSTER CREEK NUCLEAR GENERATING STATION

NOTE: By letter dated January 7, 2011 (ML110070507), Exelon certified contingently to permanently cease operations at Oyster Creek no later than December 31, 2019 in accordance with 10 CFR 50.82. The notification is contingent upon issuance of a New Jersey Pollution Discharge Elimination System (NJPDES) permit. Since the letter dated January 7, 2011, New Jersey issued the NJPDES permit to Oyster Creek, but Exelon has never sent in a letter removing the contingent determination. This raises a legal question of has Oyster Creek met 10 CFR 50.82 or does Oyster Creek need to send a follow-up letter removing "contingent?" JLD/MSD is looking into this.

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Oyster Creek is fully implementing the mitigations strategies order. The onsite audit was conducted the week of May 2, 2016. The licensee was found to be on track for order implementation by the Fall 2016 due date.

Implementation of the order will be completed for Oyster Creek prior to start-up from Fall 2016 refueling outage (RFO) (ML12300A448).

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Revised 5/20/2016

Seismic Re-Evaluations (50.54(f))

In a letter dated February 17, 2016, (ML 15350A353) the NRC staff concluded that Oyster Creek responded appropriately and has completed its response to Enclosure 1, of the 50.54(f) letter. Furthermore, the NRC staff review concluded that the reevaluated seismic hazard is bounded by the plant licensing and design basis. As such, the NRC staff concluded that no further responses or regulatory actions associated with Phase 2 of Near-Term Task Force (NTTF) Recommendation 2.1 "Seismic" are required for Oyster Creek. The referenced letter closes out the NRC's efforts associated with Phase 1 and 2 of NTTF Recommendation 2.1 "Seismic" for Oyster Creek.

Flooding Re-Evaluations (50.54(f))

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Emergency Preparedness (50.54(f))

Emergency Preparedness Communication

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Emergency Preparedness Staffing

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Walkdowns (50.54(f))

Flooding

NRC completed a flooding audit at Oyster Creek in the Summer of 2013 and documented it in a letter dated January 9, 2014 (ML13277A223).

Oyster Creek completed flooding walkdowns and submitted letters dated November 19, 2012 (ML12331A203), and March 19, 2013 (ML13078A330). The NRC staff is working on a staff assessment to the flooding walkdowns for Oyster Creek and expects to issue this public document in a couple of weeks.

Seismic

Revised 5/20/2016

Oyster Creek completed seismic walkdowns and submitted letters dated November 19, 2012 (ML12359A007), and April 26, 2013 (ML13120A185). By letter dated April 23, 2014 (ML14084A110), NRC staff completed its staff assessment of the seismic walkdowns at Oyster Creek and in the letter acknowledged that Oyster Creek plans to submit a supplemental letter by March 31, 2015, addressing the remaining inaccessible items consistent with the regulatory commitment.

Lamb, John

From: Hughey, John
Sent: Friday, May 20, 2016 2:16 PM
To: Govan, Tekia
Cc: Lamb, John
Subject: FW: FYI - Oyster Creek JLD Summary
Attachments: Summary of JLD Actions for Oyster Creek.docx

Importance: High

Thanks, Tekia. I was too quick to assume you would need more time due to the outage yesterday.

I am forwarding this on to John Lamb.

Thanks, again for the fantastic support!
John

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

From: Govan, Tekia
Sent: Friday, May 20, 2016 2:06 PM
To: Hughey, John <John.Hughey@nrc.gov>
Subject: FW: FYI - Oyster Creek JLD Summary
Importance: High

John,

Please find attached the updates for Oyster Creek as it relates to the review of the flood hazard reevaluation report and the flooding walk down.

Thanks
Tekia

From: Hughey, John
Sent: Wednesday, May 18, 2016 7:38 AM
To: Titus, Brett <Brett.Titus@nrc.gov>; Govan, Tekia <Tekia.Govan@nrc.gov>; Philpott, Stephen <Stephen.Philpott@nrc.gov>
Subject: FW: FYI - Oyster Creek JLD Summary
Importance: High

Good morning.

Oyster Creek is holding their annual assessment meeting and Region I has asked for an update to the attached Summary sheet.

Could you please update the section for your particular area by Friday (5/20)?

Brett Titus - **Seismic Re-Evaluations (50.54(f)); Walkdowns (50.54(f))** - Seismic

Tekia Govan - **Flooding Re-Evaluations (50.54(f)); Walkdowns (50.54(f))** - Flooding

Steve Philpott - **Emergency Preparedness (50.54(f))**

Thanks.
John

John Hughey

Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

From: Lamb, John
Sent: Wednesday, May 18, 2016 6:10 AM
To: Boska, John <John.Boska@nrc.gov>; Bamford, Peter <Peter.Bamford@nrc.gov>; Hughey, John <John.Hughey@nrc.gov>
Subject: FW: FYI - Oyster Creek JLD Summary
Importance: High

From: Kennedy, Silas
Sent: Tuesday, May 17, 2016 5:23 PM
To: Lamb, John <John.Lamb@nrc.gov>
Subject: FW: FYI - Oyster Creek JLD Summary
Importance: High

John,

Can you provide an updated version of the attached? Making preps for the public meeting and would like to give it to Dave Pelton.

Thanks,

Silas

From: Lamb, John
Sent: Tuesday, August 12, 2014 12:48 PM
To: Cline, Leonard <Leonard.Cline@nrc.gov>
Cc: Kennedy, Silas <Silas.Kennedy@nrc.gov>; Schaaf, Robert <Robert.Schaaf@nrc.gov>
Subject: FYI - Oyster Creek JLD Summary
Importance: High

Len,

Here is the summary of all the Fukushima activities related to Oyster Creek.

Thanks.
John

SUMMARY OF PLANT-SPECIFIC ACTIONS IN RESPONSE TO THE JAPAN NUCLEAR ACCIDENT: OYSTER CREEK NUCLEAR GENERATING STATION

NOTE: By letter dated January 7, 2011 (ML110070507), Exelon certified contingently to permanently cease operations at Oyster Creek no later than December 31, 2019 in accordance with 10 CFR 50.82. The notification is contingent upon issuance of a New Jersey Pollution Discharge Elimination System (NJPDES) permit. Since the letter dated January 7, 2011, New Jersey issued the NJPDES permit to Oyster Creek, but Exelon has never sent in a letter removing the contingent determination. This raises a legal question of has Oyster Creek met 10 CFR 50.82 or does Oyster Creek need to send a follow-up letter removing "contingent?" JLD/MSD is looking into this.

Mitigation Strategies (Order)

Oyster Creek is fully implementing the mitigations strategies order.

Implementation of the order will be completed for Oyster Creek prior to start-up from Fall 2016 refueling outage (RFO) (ML12300A448).

Spent Fuel Pool Instrumentation (Order)

Oyster Creek is fully implementing the reliable spent fuel pool instrumentation (SFPI) order.

Oyster Creek will begin SFPI installation in second quarter 2016 and complete SFPI installation and put into service in fourth quarter 2016 (ML13059A266).

Hardened Vents and Filtration (Order)

By letter dated December 13, 2013 (ML13351A413), Exelon plans to permanently shut down Oyster Creek and cease operation no later than December 31, 2019. Exelon stated they are currently evaluating whether compliance with the Phase 1 and Phase 2 requirements of this Order is necessary in the specific circumstances at Oyster Creek considering the existing plant safety features currently installed, additional potential containment vent enhancements being considered, and the additional FLEX strategies being implemented in accordance with Mitigation Strategies Order at Oyster Creek. Exelon stated they are currently evaluating the plant modifications that will be required to meet the Phase 1 and Phase 2 severe accident capable vent requirements specified in this Order. Exelon expects that their evaluation will identify the need for relief from this Order. If a need for relief is identified by Exelon, Exelon plans to submit a detailed request for relief from this Order and the detailed supporting justification by June 6, 2014.

Seismic Re-Evaluations (50.54(f))

Oyster Creek was "conditionally screened in" and placed in Category 2 by the NRC in a letter dated May 9, 2014 (ML14111A147).

Flooding Re-Evaluations (50.54(f))

Oyster Creek is in Category 3 and the Oyster Creek flooding re-evaluation is due March 12, 2015. submitted its flood hazard reevaluation report on March 12, 2015 (ML15085A046). On February 9, 2016 (ML16035A265), the NRC staff issued an interim hazard letter that provided a summary of the NRC staff's assessment of Oyster Creek's reevaluated flood-causing mechanisms. The NRC staff expects to issue the Oyster Creek staff assessment by September 2016.

Emergency Preparedness (50.54(f))

Emergency Preparedness Communication

Oyster Creek is complete and NRC determined that the assessment of communications is reasonable as stated in the letter dated July 12, 2013 (ML13114A067).

Emergency Preparedness Staffing

Since Phase 1 is only for dual units, Oyster Creek was not required to respond. The Phase 2 response is due May 19, 2016 and Oyster Creek intends to meet that implementation date.

Walkdowns (50.54(f))

Flooding

NRC completed a flooding audit at Oyster Creek in the Summer of 2013 and documented it in a letter dated January 9, 2014 (ML13277A223).

Oyster Creek completed flooding walkdowns and submitted letters dated November 19, 2012 (ML12331A203), and March 19, 2013 (ML13078A330). The NRC staff is working on a issued its staff assessment to the flooding walkdowns for Oyster Creek and expects to issue this public document in a couple of weeks. on June 16, 2014 (ML14065A232).

Seismic

Oyster Creek completed seismic walkdowns and submitted letters dated November 19, 2012 (ML12359A007), and April 26, 2013 (ML13120A185). By letter dated April 23, 2014 (ML14084A110), NRC staff completed its staff assessment of the seismic walkdowns at Oyster Creek and in the letter acknowledged that Oyster Creek plans to submit a supplemental letter by March 31, 2015, addressing the remaining inaccessible items consistent with the regulatory commitment.

Lamb, John

From: Lamb, John
Sent: Wednesday, May 18, 2016 6:10 AM
To: Boska, John; Bamford, Peter; Hughey, John
Subject: FW: FYI - Oyster Creek JLD Summary
Attachments: Summary of JLD Actions for Oyster Creek.docx

Importance: High

From: Kennedy, Silas
Sent: Tuesday, May 17, 2016 5:23 PM
To: Lamb, John <John.Lamb@nrc.gov>
Subject: FW: FYI - Oyster Creek JLD Summary
Importance: High

John,

Can you provide an updated version of the attached? Making preps for the public meeting and would like to give it to Dave Pelton.

Thanks,

Silas

From: Lamb, John
Sent: Tuesday, August 12, 2014 12:48 PM
To: Cline, Leonard <Leonard.Cline@nrc.gov>
Cc: Kennedy, Silas <Silas.Kennedy@nrc.gov>; Schaaf, Robert <Robert.Schaaf@nrc.gov>
Subject: FYI - Oyster Creek JLD Summary
Importance: High

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Lamb, John

From: Lamb, John
Sent: Monday, May 16, 2016 10:36 AM
To: Boska, John; Hughey, John; Bamford, Peter
Subject: FYI: Oyster Creek - Revision to Commitments Relating to Relaxation of the Phase 1 Schedule Requirements for Order EA-13-109: Order Modifying Licenses With Regard to Reliable Hardened Containment Vents Capable of Operation Under Severe Accident Conditions.
Attachments: gi3wj4pw.1ip.rtf

FYI.

From: Greene, Louis
Sent: Monday, May 16, 2016 10:30 AM
To: Wilkins, Lynnea <Lynnea.Wilkins@nrc.gov>; Titus, Brett <Brett.Titus@nrc.gov>; Sturzebecher, Karl <Karl.Sturzebecher@nrc.gov>; RidsNrrPMOysterCreek Resource <RidsNrrPMOysterCreek.Resource@nrc.gov>; RidsNrrPMCooper Resource <RidsNrrPMCooper.Resource@nrc.gov>; RidsNrrDssScvb Resource <RidsNrrDssScvb.Resource@nrc.gov>; RidsNrrDss Resource <RidsNrrDss.Resource@nrc.gov>; RidsNrrDorlLpl4-1 Resource <RidsNrrDorlLpl4-1.Resource@nrc.gov>; RidsNrrDorlLpl1-2 Resource <RidsNrrDorlLpl1-2.Resource@nrc.gov>; Reckley, William <William.Reckley@nrc.gov>; Pettis, Robert <Robert.Pettis@nrc.gov>; Olmstead, Joan <Joan.Olmstead@nrc.gov>; Lyon, Fred <Fred.Lyon@nrc.gov>; Lamb, Taylor <Taylor.Lamb@nrc.gov>; Lamb, John <John.Lamb@nrc.gov>; Khanna, Meena <Meena.Khanna@nrc.gov>; Karipineni, Nageswara <Nageswara.Karipineni@nrc.gov>; Huffman, William <William.Huffman@nrc.gov>; Fuller, Edward <Edward.Fuller@nrc.gov>; Dennig, Robert <Robert.Dennig@nrc.gov>; Cruz, Zahira <Zahira.Cruz@nrc.gov>; Bettle, Jerome <Jerome.Bettle@nrc.gov>; Basu, Sudhamay <Sudhamay.Basu@nrc.gov>; Auluck, Rajender <Rajender.Auluck@nrc.gov>
Subject: Oyster Creek - Revision to Commitments Relating to Relaxation of the Phase 1 Schedule Requirements for Order EA-13-109: Order Modifying Licenses With Regard to Reliable Hardened Containment Vents Capable of Operation Under Severe Accident Conditions.

ADAMS Distribution Notification

A153 - NRC Order EA-13-109 entitled "Issuance of Order to Modify Licenses with Regard to Reliable Hardened Containment Vents Capable of Operation Under Severe Conditions", dated June 6, 2013

[Open ADAMS P8 Document\(Oyster Creek - Revision to Commitments Relating to Relaxation of the Phase 1 Schedule Requirements for Order EA-13-109: Order Modifying Licenses With Regard to Reliable Hardened Containment Vents Capable of Operation Under Severe Accident Conditions.\)](#)

[View ADAMS P8 Properties ML16132A220](#)

Accession Number	ML16132A220
Title	Oyster Creek - Revision to Commitments Relating to Relaxation of the Phase 1 Schedule Requirements for Order EA-13-109: Order Modifying Licenses With Regard to Reliable Hardened Containment Vents Capable of Operation Under Severe Accident Conditions.
Docket Number	05000219

Document Date	05/11/2016
Author Name	Barstow J
Author Affiliation	Exelon Generation Co. LLC
Addressee Name	
Addressee Affiliation	NRC/Document Control Desk NRC/NRR
Document Type	Letter
Availability	Publicly Available
Date to be Released	05/19/2016
Document Sensitivity	Non-Sensitive
Comment	EIE-Submittal
Date Added	05/11/2016
Keyword	dnd EIEAutoPop

Lamb, John

From: Lamb, John
Sent: Thursday, February 18, 2016 12:46 PM
To: Hughey, John
Subject: FW: Oyster Creek - Response to Request for Additional Information Regarding Request for Extension to Comply with Phase 2 of NRC Order EA-13-109: Order Modifying Licenses with Regard to Reliable Hardened Containment Vents Capable of Operation Under Severe.
Attachments: c4qm4o01.el3.rtf

FYI.

From: E-RIDS1 Resource
Sent: Thursday, February 18, 2016 9:49 AM
To: Wilkins, Lynnea <Lynnea.Wilkins@nrc.gov>; Titus, Brett <Brett.Titus@nrc.gov>; Sturzebecher, Karl <Karl.Sturzebecher@nrc.gov>; RidsNrrPMOysterCreek Resource <RidsNrrPMOysterCreek.Resource@nrc.gov>; RidsNrrPMCooper Resource <RidsNrrPMCooper.Resource@nrc.gov>; RidsNrrDssScvb Resource <RidsNrrDssScvb.Resource@nrc.gov>; RidsNrrDss Resource <RidsNrrDss.Resource@nrc.gov>; RidsNrrDorlLpl4-1 Resource <RidsNrrDorlLpl4-1.Resource@nrc.gov>; RidsNrrDorlLpl1-2 Resource <RidsNrrDorlLpl1-2.Resource@nrc.gov>; Reckley, William <William.Reckley@nrc.gov>; Pettis, Robert <Robert.Pettis@nrc.gov>; Olmstead, Joan <Joan.Olmstead@nrc.gov>; Lyon, Fred <Fred.Lyon@nrc.gov>; Lamb, Taylor <Taylor.Lamb@nrc.gov>; Lamb, John <John.Lamb@nrc.gov>; Karipineni, Nageswara <Nageswara.Karipineni@nrc.gov>; Fuller, Edward <Edward.Fuller@nrc.gov>; Dennig, Robert <Robert.Dennig@nrc.gov>; Cruz, Zahira <Zahira.Cruz@nrc.gov>; Bettie, Jerome <Jerome.Bettie@nrc.gov>; Basu, Sudhamay <Sudhamay.Basu@nrc.gov>; Auluck, Rajender <Rajender.Auluck@nrc.gov>
Subject: Oyster Creek - Response to Request for Additional Information Regarding Request for Extension to Comply with Phase 2 of NRC Order EA-13-109: Order Modifying Licenses with Regard to Reliable Hardened Containment Vents Capable of Operation Under Severe....

ADAMS Distribution Notification

A153 - NRC Order EA-13-109 entitled "Issuance of Order to Modify Licenses with Regard to Reliable Hardened Containment Vents Capable of Operation Under Severe Conditions", dated June 6, 2013

[Open ADAMS P8 Document\(Oyster Creek - Response to Request for Additional Information Regarding Request for Extension to Comply with Phase 2 of NRC Order EA-13-109: Order Modifying Licenses with Regard to Reliable Hardened Containment Vents Capable of Operation Under Severe....\)](#)

[View ADAMS P8 Properties ML16047A094](#)

Accession Number	ML16047A094
Title	Oyster Creek - Response to Request for Additional Information Regarding Request for Extension to Comply with Phase 2 of NRC Order EA-13-109: Order Modifying Licenses with Regard to Reliable Hardened Containment Vents Capable of Operation Under Severe....
Docket Number	05000219

Document Date	02/15/2016
Author Name	Barstow J
Author Affiliation	Exelon Generation Co, LLC
Addressee Name	
Addressee Affiliation	NRC/Document Control Desk NRC/NRR
Document Type	Letter Response to Request for Additional Information (RAI)
Availability	Publicly Available
Date to be Released	02/24/2016
Document Sensitivity	Non-Sensitive
Comment	EIE-Submittal
Date Added	02/16/2016
Keyword	dnd EIEAutoPop

Hughey, John

From: Hughey, John
Sent: Monday, April 28, 2014 3:04 PM
To: Bowen, Jeremy
Cc: Lamb, John; Khanna, Meena; Titus, Brett; Bailey, Stewart; Reckley, William
Subject: Summary of Oyster Creek Call Regarding Proposed Request for Relief from Order EA-12-109
Attachments: Oyster Creek NJPDES Permit [Attachment (e-mail) Withheld Per Exemption 4]

Jeremy,

A teleconference was held today between NRC staff and Exelon representatives regarding the notification that Exelon plans to submit a request for relief from Order EA-12-109 for Oyster Creek. The major points discussed were as follows:

- Exelon would prefer to schedule a public meeting after they have submitted the request and the NRC staff has had an opportunity to take a look at it. This approach would involve submittal of the request mid-May with the public meeting taking place at the end of May. **{Note: the Oyster Creek annual assessment meeting is scheduled to occur on 5/24/2013.}**
- Exelon will be submitting an extension request as opposed to a rescission request. Exelon noted that their submittal will be requesting relief from Phase I and Phase II Order requirements including submission of an OIP and the subsequent 6-month updates.
- The licensee's technical justification will focus on the following 3 areas: 1) existing ice condenser capabilities; 2) Flex strategies being implemented; 3) existing GL 89-16 hardened vent capabilities. These are the same 3 areas that the NRC staff was looking to be addressed in the submittal as well.
- If it becomes clear that the NRC staff will not make a final decision on the request by the end of June, then we will communicate with Exelon regarding how we want them to address the Order deadline for submission of the hardened vent OIP.
- The Exelon letter dated January 7, 2011 [ML110070507], certifying, per 10 CFR 50.82, the determination to permanently cease operations at Oyster Creek by 12/31/2019, is characterized as "contingent" upon issuance of an NJPDES permit from the state of NJ. The NJPDES permit has been issued (see attached) and the NRC staff needs to determine if Exelon needs to send a revised certification letter with the contingency removed.
- Exelon does not intend to request relief from the mitigating strategies Order (EA-13-49), but they recognize that the mitigating strategies OIP will need to be revised to remove references to hardened vent modifications

(b)(6) The Exelon representatives were led by the [redacted] with several personnel participating from both Exelon Corporate and the site. The participating NRC staff were as follows:

Bill Reckley – JLD
Stu Bailey – MSD
Bret Titus – MSD
John Hughey - MSD
John Lamb – DORL PM
Meena Khanna – DORL BC
Robert Gladney – DORL PM (NSPDP)

Please let me know if you have any questions,
John

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/MSD
US Nuclear Regulatory Commission
Phone: (301) 415-3204

Hughey, John

From: McNamara, Nancy
Sent: Monday, October 26, 2015 12:41 PM
To: Hughey, John
Subject: Automatic reply: Pre-decisional Information: Oyster Creek Hardened Vent Order Phase I Relaxation

I will be on travel and returning on Tuesday, November 2, 2015. If you need RSLC assistance, please call my cell at [PJI Redacted]. I will also be checking email. Thank you.

Hughey, John

From: Norton, Charles
Sent: Monday, June 22, 2015 4:13 PM
To: Hughey, John
Subject: Oyster Creek

John,

Please give me a call when you can so I can go over the work I did on the Oyster Creek relaxation request.

Chuck

415-7818 or [PII REDACTED]

From: NRR-OWFN-08B04-25p
Sent: Tuesday, June 09, 2015 7:41 AM
To: Hughey, John
Subject: Accepted: Oyster Creek Vent Order Extension Request

From: Titus, Brett
Sent: Wednesday, June 18, 2014 4:43 PM
To: Hughey, John
Subject: Accepted: Oyster Creek Vent Order Extension Request

From: Dennig, Robert
Sent: Monday, June 23, 2014 11:48 AM
To: Hughey, John
Subject: Accepted: FW: Oyster Creek Vent Order Extension Request

From: Halter, Mandy
Sent: Tuesday, June 09, 2015 7:49 AM
To: Hughey, John
Subject: Accepted: Oyster Creek Vent Order Extension Request

From: Norton, Charles
Sent: Wednesday, June 18, 2014 3:15 PM
To: Hughey, John
Subject: Accepted: Oyster Creek Vent Order Extension Request

From: NRR-OWFN-08B04-25p
Sent: Wednesday, June 18, 2014 3:07 PM
To: Hughey, John
Subject: Accepted: Oyster Creek Vent Order Extension Request

From: NRR-OWFN-08B04-25p
Sent: Wednesday, June 18, 2014 1:12 PM
To: Hughey, John
Subject: Accepted: Oyster Creek Vent Order Extension Request

From: Titus, Brett
Sent: Tuesday, June 09, 2015 8:14 AM
To: Hughey, John
Subject: Accepted: Oyster Creek Vent Order Extension Request

From: NRR-OWFN-08804-25p
Sent: Thursday, May 07, 2015 7:27 AM
To: Hughey, John
Subject: Accepted: Teleconference to discuss Oyster Creek Vent Order Issues.

From: NRR-OWFN-08B04-25p
Sent: Monday, August 03, 2015 7:22 AM
To: Hughey, John
Subject: Accepted: Teleconference With Exelon Regarding Oyster Creek Vent Order Relaxation Request

From: Hughey, John
Sent: Wednesday, February 03, 2016 3:15 PM
(b)(6) To: [REDACTED]
Subject: Oyster Creek Phase II Vent Order Relaxation Request

(b)(6) Hi, [REDACTED]

When do you expect the Oyster Creek Phase 2 vent Order submittal to be issued?

Thanks,
John

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

(b)(6) **From:** [REDACTED]
Sent: Thursday, October 01, 2015 9:50 AM
To: Hughey, John
(b)(6) **Cc:** [REDACTED]
Subject: [External_Sender] FW: [EXTERNAL] General Form Submission Received (EIE for Oyster Creek Order 13-109 HCV RAI response)

John,

The submittal EIE info is provided below. Please let us know if you have any questions. Thanks, John.

(b)(6) [REDACTED]

-----Original Message-----

From: mshd.resource@nrc.gov [mailto:mshd.resource@nrc.gov]

Sent: Thursday, October 01, 2015 6:31 AM

(b)(6) **To:** [REDACTED]
Subject: [EXTERNAL] General Form Submission Received

The NRC received your General Form submission on: 10/01/2015 at 06:31 AM. It is being tracked as submission ID# 6945.

If it is a 'Publicly Available' submission after 6 work days from today the submission's attached document(s) will be available for viewing and download from the Agency's Public Web Based ADAMS website (<http://adams.nrc.gov/wba>) by searching for the following document accession number(s): [ML15274A010]. If this is a 'Non-Public submission the submission's attachment(s) will be retained in NRC's document management system (ADAMS) and will not be published to the public website.

Should you have questions about this submission please contact our Help Desk by phone at 866-672-7640 or by e-mail at mshd.resource@nrc.gov. When doing so, please refer to the Submission ID# shown above.

Note: The Help Desk is staffed daily from 9:00AM to 7:00PM Eastern Time Monday through Friday (except for Federal holidays) This Email message and any attachment may contain information that is proprietary, legally privileged, confidential and/or subject to copyright belonging to Exelon Corporation or its affiliates ("Exelon"). This Email is intended solely for the use of the person(s) to which it is addressed. If you are not an intended recipient, or the employee or agent responsible for delivery of this Email to the intended recipient(s), you are hereby notified that any dissemination, distribution or copying of this Email is strictly prohibited. If you have received this message in error, please immediately notify the sender and permanently delete this Email and any copies. Exelon policies expressly prohibit employees from making defamatory or offensive statements and infringing any copyright or any other legal right by Email communication. Exelon will not accept any liability in respect of such communications. -EXCIP

From: Gibson, Lauren
Sent: Tuesday, November 24, 2015 2:38 PM
To: Hughey, John
Subject: FW: Fwd: BREAKING: New Jersey nuclear plant can ignore safety fix

From: Burnell, Scott
Sent: Tuesday, November 24, 2015 11:30 AM
To: Matthew Bandyk <mbandyk@snl.com>; Sheehan, Neil <Neil.Sheehan@nrc.gov>
Subject: RE: Fwd: BREAKING: New Jersey nuclear plant can ignore safety fix

Hi Matt;

Just to clarify, EA-12-050 was superseded by the March 2013 Order, EA-13-109.

The staff took more than a year to carefully consider Exelon's request, including asking for more supporting information. Our letter to Oyster Creek is plainly available in ADAMS --
<https://adamswebsearch2.nrc.gov/webSearch2/main.jsp?AccessionNumber=ML15092A159>

The letter clearly explains why Exelon's actions following the Order will enhance the plant's venting ability by the fall 2016 refueling outage. Oyster Creek is also on track to comply with the Mitigation Strategies Order, which reduced the possibility the plant would need the vent at all.

To this point, Oyster Creek is the only operating plant to request a schedule relaxation for the vent order.

Scott

From: Matthew Bandyk [<mailto:mbandyk@snl.com>]
Sent: Tuesday, November 24, 2015 10:54 AM
To: Sheehan, Neil <Neil.Sheehan@nrc.gov>; Burnell, Scott <Scott.Burnell@nrc.gov>
Subject: [External_Sender] Fwd: BREAKING: New Jersey nuclear plant can ignore safety fix

Hi Neil and Scott,

I think this could fall under either of your guys' specialties. I was wondering if you all had any comment on Beyond Nuclear's claim here that what Exelon is given credit for to relax the compliance with EA-12-050 is allowing them to have the same thing the Fukushima plants had.

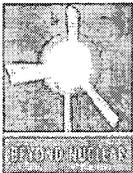
Also, are they accurate that Oyster Creek is the only reactor to ask for a relaxation of this order? I believe Vermont Yankee did as well, but since it closed maybe they are not counting that.

Thank you,
Matt

----- Forwarded message -----

From: Linda Gunter <news@meltwaterpress.com>
Date: Tue, Nov 24, 2015 at 9:55 AM

Subject: BREAKING: New Jersey nuclear plant can ignore safety fix
To: mbandyk@snl.com



NEWS FROM BEYOND NUCLEAR

For immediate release

Contact: Paul Gunter, [301.523.0201](tel:301.523.0201) (cell) [301.270.2209](tel:301.270.2209) (o)

Documents Reveal Oyster Creek NJ Nuclear Plant To Get Pass On Federal Safety Order

Nuclear regulator bows to industry demand to let country's oldest "Fukushima" reactor operate outside safety compliance

TAKOMA PARK, MD -- November 24, 2015 --Beyond Nuclear, a national anti-nuclear and environmental advocacy group, today blasted the U.S. Nuclear Regulatory Commission for giving the country's oldest nuclear reactor a pass to avoid an essential safety retrofit that the federal agency itself had ordered.

Agency documents uncovered by Beyond Nuclear show that the NRC will allow Exelon, the Oyster Creek owner, to remain in violation of the agency's own Fukushima "lessons learned" Order issued by the Commission on June 6, 2013.

The Order had mandated Exelon to install a "severe accident capable" hardened containment vent, to be completed during next summer's scheduled refueling outage and before restart in fall 2016.

Instead, the NRC will allow Oyster Creek, the same General Electric Mark I boiling water reactor design as Fukushima, to continue operation outside compliance until the scheduled closure date of December 31, 2019 as agreed with the State of New Jersey.

Documents showed the NRC had capitulated to Exelon's June 2, 2014 written request for an "extension to comply" with the Order until January 31, 2020, one month after the plant's planned closure date.

In separate conversations with a source, Beyond Nuclear learned that the NRC decision was based on Oyster Creek's original license extension, potentially allowing the plant to avoid safety fixes until its federally licensed operation termination date of April 9, 2029. However, all indications are that the plant will close in four years.

"This is an extremely serious Fukushima lesson being unlearned by the regulator and industry that gambles with New Jersey's health, safety and economy for Exelon's limited financial gain," said Paul Gunter, Director of the Reactor Oversight Project at Beyond Nuclear. "The oldest Fukushima-style reactor in the world is being given a pass to allow willful violation of codified safety requirements," he said. "Instead of dealing Exelon a 'Get Out of Safety-Fix Free' card, the NRC should permanently shut down Oyster Creek," he continued.

The NRC's decision to exempt Oyster Creek follows a disturbing pattern of collusion between the regulatory agency and the industry it is supposed to regulate, a problem that Japanese authorities identified as a cause of its own Fukushima nuclear disaster.

"The NRC's waiver of enforcement for Oyster Creek's willful violations is symptomatic of a deeper 'nuclear regulatory capture' that risks public health and safety to maximize industry production and profit," said Gunter. "This is the same collusion of government, regulator and industry that Japan's independent investigation into the 2011 accident found to be the principle cause of 'a profoundly manmade disaster' at Fukushima," Gunter concluded.

BACKGROUND

A November 16, 2015 NRC letter to the Chicago-based Exelon Generation Company excuses the Oyster Creek operator from complying with the federal Order (EA 2013-109) that modified Oyster Creek's operating license along with 29 more

General Electric Mark I and Mark II boiling water reactors and scheduled safety upgrades to their containment structures.

Exelon argued that because Oyster Creek plans to operate for two more refueling cycles until the end of 2019 it "is not necessary" to comply with the Fukushima Order.

While the NRC's November 16th letter states that "the licensee has presented good cause for a relaxation of the order," Exelon is crediting "special conditions" that pre-existed the Order and "compensatory measures" none of which measure up to the "severe accident conditions" explicit in the 2013 Order. These conditions, after fuel damage would have already occurred, include the ability to "reliably" manage extreme steam pressure spikes, out of control temperatures, large volumes of non-condensable explosive gases and deadly fields of radiation generated by the melting reactor core.

Exelon is crediting a pre-existing Direct Torus Vent System that was voluntarily installed by most Mark I boiling water reactor operators in 1992 at an earlier request of the NRC.

Japan similarly responded by installing the same hardened containment vent system that failed to save the three Mark I containments at Fukushima.

The 1989 NRC letter revealed that the Mark I's small containment design (one-sixth the volume of Three Mile Island) is highly prone to failure in the event of a nuclear accident. The NRC had recommended that operators voluntarily install a venting system to temporarily defeat containment to save it from permanent rupture. However, this torus containment venting system was not designed, constructed or analyzed to be "severe accident capable." Oyster Creek's credited containment vent for the Fall 2016 restart will not be "severe accident capable."

Under the NRC Order's mandated schedule, Exelon was to have completed its Phase 1 installation of an upgraded "severe accident capable" hardened vent on the 18-foot diameter donut-shaped containment component called the "wetwell" or "torus" before restarting in fall 2016. The Order requires an additional Phase 2 upgrade with the installation of "severe accident water addition" and "severe accident water management" systems on the large "drywell" containment component by the fall 2018 restart from refueling. Oyster Creek is the only reactor to request and receive a waiver for compliance of remaining 30 units that originally consented to the Order in June 26, 2013.

The NRC 2013 Order explicitly states that the scheduled two-phase "severe accident capable" upgrades are required because "the NRC finds that the public health, safety and interest require this Order be made immediately effective."

NRC November 16, 2015 compliance relaxation letter to Exelon Generating Company

http://www.beyondnuclear.org/storage/mark-1-campaign/fof/oyster-creek/oyst_order_11162015_relaxed-Revised-ML15092A159.pdf

-30-

Beyond Nuclear aims to educate and activate the public about the connections between nuclear power and nuclear weapons and the need to abandon both to safeguard our future. Beyond Nuclear advocates for an energy future that is sustainable, benign and democratic. The Beyond Nuclear team works with diverse partners and allies to provide the public, government officials, and the media with the critical information necessary to move humanity toward a world beyond nuclear. Beyond Nuclear: 6930 Carroll Avenue, Suite 400, Takoma Park, MD 20912. Info@beyondnuclear.org. www.beyondnuclear.org.

Disclaimer: If you do not wish to receive further news/releases from Beyond Nuclear (EST), please click the following link: [\[Remove Me\]](#). Requests will take a maximum of 2 business days to process.

Contact information: Linda Gunter, Beyond Nuclear (EST), 6930 Carroll Avenue, Suite 400, Takoma Park, MD 20912.

--

Matt Bandyk

Energy Reporter

SNL Financial LC and S&P Capital IQ

(b)(6) (usually best #)

703-373-0667 office phone

703-373-0159 fax

mbandyk@snl.com

Follow me on twitter @MatthewBandyk

From: Boska, John
Sent: Tuesday, November 17, 2015 10:01 AM
To: Weil, Jenny; Screnci, Diane; Gladney, Robert; Dacus, Eugene; Sheehan, Neil; McNamara, Nancy; Tiff, Doug; Kennedy, Silas; Werkheiser, David; Heinly, Justin; Burnell, Scott; Broaddus, Doug
Cc: Hughey, John; Brown, Tony; Halter, Mandy
Subject: NRC issues vent order relaxation for Oyster Creek
Attachments: 2015-11-16 NRC relaxation of Oyster Creek wetwell vent ML15092A159.pdf
Importance: High

Attached is the order relaxation for Oyster Creek, for Phase 1 (wetwell vent) of the vent order. Phase 2 (drywell vent) is still under review. It has been emailed to the licensee.

John Boska
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
U.S. Nuclear Regulatory Commission
301-415-2901
email: john.boska@nrc.gov

Document attached to this email is publicly available in ADAMS at ML15092A159.

From: Cho, Esther
Sent: Thursday, August 28, 2014 10:08 AM
To: RidsRgn1MailCenter Resource; RidsAcrsAcnw_MailCTR Resource;
RidsNrrPMOysterCreek Resource; RidsNrrLaSLent Resource; RidsNrrDorlLpl1-2
Resource; Bowen, Jeremy; Bailey, Stewart; Titus, Brett
Cc: DeFrancisco, Anne; Hughey, John
Subject: Oyster Creek, Request for Additional Information Regarding Request for Extension to
Comply with NRC Order EA-13-109: Order Modifying Licenses with Regard to Reliable
Hardened Containment Vents Capable of Operation Under Severe Accident Conditions

Good Morning,

Please follow the link below for the electronic distribution of:

DATE: August 27, 2014

TO: Michael Pacilio

FROM: John Hughey

SUBJECT: Oyster Creek, Request for Additional Information Regarding Request for
Extension to Comply with NRC Order EA-13-109: Order Modifying Licenses with Regard to
Reliable Hardened Containment Vents Capable of Operation Under Severe Accident Conditions

[View ADAMS P8 Properties ML14220A027](#)

[Open ADAMS P8 Document \(Oyster Creek, Request for Additional Information Regarding Request for
Extension to Comply with NRC Order EA-13-109: Order Modifying Licenses with Regard to Reliable
Hardened Containment Vents Capable of Operation Under Severe Accident Conditions.\)](#)

Sincerely,
Esther Cho

Contract Administrative Assistant
U.S. Nuclear Regulatory Commission
NRR/JLD, Location: O-13H18
Main: 301-415-2239 Direct: 301-415-0618
Esther.Cho@nrc.gov

From: Firefly_Support@nrc.gov
Sent: Monday, August 04, 2014 9:27 AM
To: NRR_JLD_DPR.Resource@nrc.gov; Hughey, John
Cc: Titus, Brett; Titus, Brett; Bailey, Stewart
Subject: Green Sheet Receipt: OYSTER CREEK - Oyster Creek Request for Extension to Comply With Order EA-13-109 (Hardened Vents) (MF4352)

Dear JOHNNY HUGHEY,

A Green Sheet has been submitted for the following project:
 OYSTER CREEK - Oyster Creek Request for Extension to Comply With Order EA-13-109 (Hardened Vents) (MF4352).

The following information is for your records.

Your Green Sheet Has Been Submitted			
Application Information			
TAC Manager: HUGHEY,JOHNNY	ORG: JLD	ACCESSION No.:ML14153A421	App Date:06/02/2014
Reviewer's Plan and Schedule			
Reviewer's Level of Effort (Hours): 100	Scope of Review: All	Plan Start Date: 06/02/2014	
Reviewer's Name: TITUS,BRETT	Reviewer Branch: JCBB		
Comments:			
Reviewer's Milestone Target Dates			
1. RAI to PM	08/08/2014		
2. SE to PM	10/15/2014		

If you have any problems or questions, please contact Firefly Support at Firefly_Support@nrc.gov.

Subject: Meeting Forward Notification: Oyster Creek Vent Order Extension Request
Start: Wed 07/02/2014 2:00 PM
End: Wed 07/02/2014 3:00 PM
Show Time As: Tentative
Recurrence: (none)
Meeting Status: Not yet responded
Organizer: Bowen, Jeremy

Your meeting was forwarded

Bowen, Jeremy has forwarded your meeting request to additional recipients.
Meeting

Oyster Creek Vent Order Extension Request

Meeting Time
Wednesday, July 02, 2014 2:00 PM-3:00 PM.

Recipients
Dennig, Robert

All times listed are in the following time zone: (GMT-05:00) Eastern Time (US & Canada)

Sent by Microsoft Exchange Server 2007

Subject: Meeting Forward Notification: Oyster Creek Vent Order Extension Request
Location: O8-B04

Start: Wed 06/10/2015 11:30 AM
End: Wed 06/10/2015 12:30 PM

Recurrence: (none)

Organizer: Lee, Brian

Your meeting was forwarded

Lee, Brian has forwarded your meeting request to additional recipients.
Meeting

Oyster Creek Vent Order Extension Request

Meeting Time
Wednesday, June 10, 2015 11:30 AM-12:30 PM.

Recipients
Norton, Charles

All times listed are in the following time zone: (UTC-05:00) Eastern Time (US & Canada)

Sent by Microsoft Exchange Server 2013

From: Norton, Charles
Sent: Wednesday, June 18, 2014 2:55 PM
To: Hughey, John
Subject: New Time Proposed: Oyster Creek Vent Order Extension Request

I am going to be at Duane Arnold all week. If we can't change the meeting time, I might be able to call in but I would rather be there.

Chuck Norton

From: Kennedy, Silas
Sent: Monday, April 25, 2016 2:30 PM
To: Hughey, John
Subject: RE: Oyster Creek Annual Assessment Meeting

Thanks much for the follow up John.

Standing by...

From: Hughey, John
Sent: Monday, April 25, 2016 12:35 PM
To: Kennedy, Silas <Silas.Kennedy@nrc.gov>
Cc: Patel, Amar <Amar.Patel@nrc.gov>; Lamb, John <John.Lamb@nrc.gov>; Shaffer, Steve <Steve.Shaffer@nrc.gov>; Brown, Tony <Tony.Brown@nrc.gov>; Titus, Brett <Brett.Titus@nrc.gov>
Subject: RE: Oyster Creek Annual Assessment Meeting

Silas,

We have identified a person (the main technical reviewer for the Hardened Vent Order Relaxation, Brett Titus) who can support the OCNCS annual assessment public meeting on May 26th. We are now awaiting a decision from the NRR Leadership Team regarding approval for the travel funds.

I will keep you posted,
John

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

From: Hughey, John
Sent: Friday, April 22, 2016 8:42 AM
To: Kennedy, Silas <Silas.Kennedy@nrc.gov>
Cc: Patel, Amar <Amar.Patel@nrc.gov>; Lamb, John <John.Lamb@nrc.gov>; Shaffer, Steve <Steve.Shaffer@nrc.gov>; Brown, Tony <Tony.Brown@nrc.gov>
Subject: RE: Oyster Creek Annual Assessment Meeting

Silas,

I'm in Nebraska that week, but I'm beating the bushes to see if we have someone that can attend. I will get back with you soon.

Thanks,
John

John Hughey
Mitigation Strategies & SFP Instrumentation

Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

From: Kennedy, Silas
Sent: Thursday, April 21, 2016 5:39 PM
To: Hughey, John <John.Hughey@nrc.gov>
Cc: Patel, Amar <Amar.Patel@nrc.gov>; Lamb, John <John.Lamb@nrc.gov>; Shaffer, Steve <Steve.Shaffer@nrc.gov>
Subject: Oyster Creek Annual Assessment Meeting

John,

The Oyster Creek Annual Assessment Public Meeting is scheduled for May 26, 2016. Please let me know if you are able to provide someone to support this.

Thanks,

Silas

From: Patel, Amar
Sent: Tuesday, December 01, 2015 3:33 PM
To: Lamb, John <John.Lamb@nrc.gov>; Hughey, John <John.Hughey@nrc.gov>
Cc: Broaddus, Doug <Doug.Broaddus@nrc.gov>; Andrews, Elizabeth <Elizabeth.Andrews@nrc.gov>; Wilson, George <George.Wilson@nrc.gov>; Kennedy, Silas <Silas.Kennedy@nrc.gov>; Shaffer, Steve <Steve.Shaffer@nrc.gov>
Subject: RE: FYI - News - Oyster Creek

Thank you all for your support and we will let John know when we schedule the meeting.

Thanks

Amar Patel
OC SRI

From: Lamb, John
Sent: Tuesday, December 01, 2015 3:10 PM
To: Hughey, John <John.Hughey@nrc.gov>
Cc: Broaddus, Doug <Doug.Broaddus@nrc.gov>; Patel, Amar <Amar.Patel@nrc.gov>; Andrews, Elizabeth <Elizabeth.Andrews@nrc.gov>; Wilson, George <George.Wilson@nrc.gov>
Subject: RE: FYI - News - Oyster Creek

Will do.

From: Hughey, John
Sent: Tuesday, December 01, 2015 3:09 PM
To: Lamb, John <John.Lamb@nrc.gov>
Cc: Broaddus, Doug <Doug.Broaddus@nrc.gov>; Patel, Amar <Amar.Patel@nrc.gov>; Andrews, Elizabeth <Elizabeth.Andrews@nrc.gov>; Wilson, George <George.Wilson@nrc.gov>
Subject: RE: FYI - News - Oyster Creek

John,

Please let me know when the Oyster Creek annual assessment meeting is scheduled and we will make sure the right people from HQ-JLD are there.

Thanks,
Hughey

John Hughey

Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

From: Lamb, John
Sent: Monday, November 30, 2015 11:24 AM
To: Hughey, John <John.Hughey@nrc.gov>
Cc: Broaddus, Doug <Doug.Broaddus@nrc.gov>; Patel, Amar <Amar.Patel@nrc.gov>; Andrews, Elizabeth <Elizabeth.Andrews@nrc.gov>; Wilson, George <George.Wilson@nrc.gov>
Subject: FW: FYI - News - Oyster Creek
Importance: High

John,

Region I is requesting that a JLD Hardened Vent expert attend the Oyster Creek Annual Assessment Meeting this year (typically in April or May) since this will be a topic of great interest to the stakeholders.

Thanks.
John

From: Patel, Amar
Sent: Monday, November 30, 2015 11:18 AM
To: Lamb, John <John.Lamb@nrc.gov>
Subject: RE: FYI - News - Oyster Creek

I hope an NRC expert comes up from HQ to talk about this during the annual assessment meeting

From: Lamb, John
Sent: Monday, November 30, 2015 11:17 AM
To: Broaddus, Doug <Doug.Broaddus@nrc.gov>
Cc: Patel, Amar <Amar.Patel@nrc.gov>; Andrews, Elizabeth <Elizabeth.Andrews@nrc.gov>; Hughey, John <John.Hughey@nrc.gov>
Subject: FYI - News - Oyster Creek

NRC Criticized For Granting Requirement Exception To Oyster Creek Plant. The [Asbury Park \(NJ\) Press](#) (11/25, Oglesby, 324K) reported that anti-nuclear power group Beyond Nuclear "says public health is at risk due to Oyster Creek Generating Station's recent exclusion from rules that require similar nuclear facilities to install new vents that would prevent explosions." The new vents "were ordered in 2013" in the wake of the Fukushima disaster to "help prevent an explosion from the buildup of pressure and hydrogen gas in the rare case of a meltdown." But Exelon "received an exemption" in a November letter from the NRC. Plant's had "until fall 2016 to install the first phase of the new venting system and until fall 2018 to install the second phase." But under the NRC's exemption, Exelon "will not have to add the first phase vents." Beyond Nuclear "criticized the

commission's exemption and described it as a 'pass to avoid an essential safety retrofit that the federal agency itself had ordered.'"

From: Hughey, John
Sent: Thursday, July 30, 2015 8:51 AM
To: Titus, Brett
Subject: RE: Oyster Creek Relaxation.

Hey man,

Just spoke with (b)(6) said that Exelon has a final internal call today to discuss the results of their (b)(6) evaluations thus far. (b)(6) is going to call me tomorrow to provide the status and date they project that the supplement will be sent to us.

John

John Hughey

Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

From: Titus, Brett
Sent: Thursday, July 30, 2015 8:33 AM
To: Hughey, John
Subject: RE: Oyster Creek Relaxation.

Much appreciated, John. I know you were at Beaver Valley last week and have all kinds of other stuff going on. This is just one of the high-visibility things that Jeremy likes to ask me about at meetings.

From: Hughey, John
Sent: Thursday, July 30, 2015 6:58 AM
To: Titus, Brett
Subject: RE: Oyster Creek Relaxation.

Hi Brett,

Just as I was reading your e-mail, I had a calendar tickler come up reminding me to call Exelon about this today. Last word from Exelon was that the end of July was the very earliest that they would have the analysis (b)(6) completed. I will get in touch with (b)(6) this morning and get back to you.

Thanks for chinking in with me on this,
John

John Hughey

Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

From: Titus, Brett
Sent: Wednesday, July 29, 2015 4:09 PM
To: Hughey, John
Subject: Oyster Creek Relaxation.

Hey John,

Have we heard back from them regarding our outstanding questions on the seismic design/capability of the vent pipe and the potential repowering of their stack dilution fans for combustible gas control? We're pretty much to the end of July now, and that tracker item is getting more attention because we've moved it a couple of times.

Thanks,

Brett Titus
NRR/JLD/JCBB
Office O-13C04
Mail Stop O-13A01
301-415-3075

From: Hughey, John
Sent: Friday, July 31, 2015 2:24 PM
To: Bailey, Stewart; Titus, Brett
Subject: RE: Oyster Creek Vent Order Relaxation Request Update

Gents,

I just wasn't hitting on all cylinders this morning when I set this up – Brett is on an audit next week. If Brett can't be there, then the meeting is a bust. Thursday morning is the worst time on an audit to try and break off for a call.

I am going to see if Exelon can move the call to Monday, 8/10, at 2pm. Everyone's Outlook shows as available then. I will be at TMI and I may be able to participate on the call if the day 1 presentation is done. If I can't make the call, there will be tears, but you can soldier on without me. Hopefully, Downtown Tony Brown will be able to cover any PM related issues.

Thanks,
John

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

From: Bailey, Stewart
Sent: Friday, July 31, 2015 12:58 PM
To: Titus, Brett; Hughey, John
Subject: RE: Oyster Creek Vent Order Relaxation Request Update

Thanks John. Sounds like we are making progress. I will make every effort to attend (which is not to say that my attendance is mandatory). I think my calendar is up to date.

From: Titus, Brett
Sent: Friday, July 31, 2015 12:20 PM
To: Hughey, John
Cc: Bailey, Stewart
Subject: RE: Oyster Creek Vent Order Relaxation Request Update

Thanks for the update, John. I'm at Dresden next week, but I'll try to support as best I can.

From: Hughey, John
Sent: Friday, July 31, 2015 12:13 PM
To: Titus, Brett; Bailey, Stewart; Brown, Tony; Lee, Brian; Lamb, John
Cc: Norton, Charles; Halter, Mandy
Subject: Oyster Creek Vent Order Relaxation Request Update

(b)(6)

[redacted] called me this morning to discuss Exelon's status regarding the Oyster Creek Vent Order Relaxation Request. We communicated to Exelon that we needed them to address 2 outstanding issues related to the Phase I relaxation: 1) robustness of 8-inch piping in the Reactor Building; 2) vent stack dilution flow.

Exelon contracted with a vendor to analyze the 8-inch piping and this evaluation has been completed with favorable results. Exelon is conducting their internal review of the vendor's analysis and this review will be completed early next week. With regard to vent stack dilution, Exelon acknowledges that dilution flow needs to be provided. Options being pursued include energizing fans for forced flow and removing panels to enhance natural flow or a combination of both.

Exelon has requested a teleconference late next week to discuss the piping analysis and stack dilution flow evaluation results as well as the anticipated date for submission of a supplement containing this information. Exelon will not be able to discuss submission of a separate Phase II relaxation request next week as they will be addressing this effort after the Phase I supplement is submitted.

I will be coordinating a date/time for the requested teleconference with Exelon and sending out a meeting notice today or Monday.

Thanks,
John

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

From: Shams, Mohamed
Sent: Monday, April 25, 2016 8:38 AM
To: Quichocho, Jessie
Cc: Titus, Brett; Hughey, John; Brown, Tony
Subject: RE: Request for support for Oyster Creek Annual Assessment Meeting May 26

Jessie – I am happy to have Brett support this meeting. Let me know if you need anything else. Mo

From: Quichocho, Jessie
Sent: Monday, April 25, 2016 8:36 AM
To: Shams, Mohamed <Mohamed.Shams@nrc.gov>
Cc: Titus, Brett <Brett.Titus@nrc.gov>; Hughey, John <John.Hughey@nrc.gov>; Brown, Tony <Tony.Brown@nrc.gov>
Subject: FW: Request for support for Oyster Creek Annual Assessment Meeting May 26

Mo, email string on request for Hardened Vent expert to attend Oyster Creek Annual Assessment on May 26, from Region I.

Greg is seeking LT approval for travel funds. Brian is not available to attend this meeting since he will be out of the office.

Thanks for your help in supporting the region on this.

Jessie

Jessie Quichocho, Chief
Containment and Balance of Plant Branch
NRR/JLD/JCBB
415-0209

From: Hughey, John
Sent: Friday, April 22, 2016 8:36 AM
To: Titus, Brett <Brett.Titus@nrc.gov>; Lee, Brian <Brian.Lee@nrc.gov>; Quichocho, Jessie <Jessie.Quichocho@nrc.gov>; Brown, Tony <Tony.Brown@nrc.gov>
Cc: Proffitt, Andrew <Andrew.Proffitt@nrc.gov>
Subject: FW: Oyster Creek Annual Assessment Meeting
Importance: High

Gents,

Please see e-mails at bottom of string. Last year, before we were concerned about travel budget, we told Region I that we would send someone to support the Oyster Creek Annual Assessment meeting. Region I requested a JLD "hardened vent expert" to field any questions about the Phase 1 relaxation that was granted last November.

Last night I received the e-mail below letting me know that the Oyster Creek annual assessment meeting will be held on May 26th and they are asking for a JLD representative to attend and field questions from the public and stakeholders regarding the hardened vent relaxation. Of course, today is the last day to make travel plans in ETS2. I was thinking the logical choice is Brett or Brian. Not that I'm an expert in anything, but I can't go because I'll be in Nebraska on the Cooper audit that week.

So, the question is, can we send someone or do we need to tell Region I that the travel budget crisis precludes us from supporting the meeting? If we don't send someone, then I would imagine they would want us to provide a briefing paper with Q/As.

Sorry to plop this on you on a Friday,
Hughey

John Hughey

Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

From: Kennedy, Silas
Sent: Thursday, April 21, 2016 5:39 PM
To: Hughey, John <John.Hughey@nrc.gov>
Cc: Patel, Amar <Amar.Patel@nrc.gov>; Lamb, John <John.Lamb@nrc.gov>; Shaffer, Steve <Steve.Shaffer@nrc.gov>
Subject: Oyster Creek Annual Assessment Meeting

John,

The Oyster Creek Annual Assessment Public Meeting is scheduled for May 26, 2016. Please let me know if you are able to provide someone to support this.

Thanks,

Silas

From: Patel, Amar
Sent: Tuesday, December 01, 2015 3:33 PM
To: Lamb, John <John.Lamb@nrc.gov>; Hughey, John <John.Hughey@nrc.gov>
Cc: Broaddus, Doug <Doug.Broaddus@nrc.gov>; Andrews, Elizabeth <Elizabeth.Andrews@nrc.gov>; Wilson, George <George.Wilson@nrc.gov>; Kennedy, Silas <Silas.Kennedy@nrc.gov>; Shaffer, Steve <Steve.Shaffer@nrc.gov>
Subject: RE: FYI - News - Oyster Creek

Thank you all for your support and we will let John know when we schedule the meeting.

Thanks

Amar Patel
OC SRI

From: Lamb, John
Sent: Tuesday, December 01, 2015 3:10 PM
To: Hughey, John <John.Hughey@nrc.gov>
Cc: Broaddus, Doug <Doug.Broaddus@nrc.gov>; Patel, Amar <Amar.Patel@nrc.gov>; Andrews, Elizabeth <Elizabeth.Andrews@nrc.gov>; Wilson, George <George.Wilson@nrc.gov>
Subject: RE: FYI - News - Oyster Creek

Will do.

From: Hughey, John
Sent: Tuesday, December 01, 2015 3:09 PM
To: Lamb, John <John.Lamb@nrc.gov>
Cc: Broaddus, Doug <Doug.Broaddus@nrc.gov>; Patel, Amar <Amar.Patel@nrc.gov>; Andrews, Elizabeth <Elizabeth.Andrews@nrc.gov>; Wilson, George <George.Wilson@nrc.gov>
Subject: RE: FYI - News - Oyster Creek

John,

Please let me know when the Oyster Creek annual assessment meeting is scheduled and we will make sure the right people from HQ-JLD are there.

Thanks,
Hughey

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

From: Lamb, John
Sent: Monday, November 30, 2015 11:24 AM
To: Hughey, John <John.Hughey@nrc.gov>
Cc: Broaddus, Doug <Doug.Broaddus@nrc.gov>; Patel, Amar <Amar.Patel@nrc.gov>; Andrews, Elizabeth <Elizabeth.Andrews@nrc.gov>; Wilson, George <George.Wilson@nrc.gov>
Subject: FW: FYI - News - Oyster Creek
Importance: High

John,

Region I is requesting that a JLD Hardened Vent expert attend the Oyster Creek Annual Assessment Meeting this year (typically in April or May) since this will be a topic of great interest to the stakeholders.

Thanks.
John

From: Patel, Amar
Sent: Monday, November 30, 2015 11:18 AM
To: Lamb, John <John.Lamb@nrc.gov>
Subject: RE: FYI - News - Oyster Creek

I hope an NRC expert comes up from HQ to talk about this during the annual assessment meeting

From: Lamb, John
Sent: Monday, November 30, 2015 11:17 AM
To: Broaddus, Doug <Doug.Broaddus@nrc.gov>
Cc: Patel, Amar <Amar.Patel@nrc.gov>; Andrews, Elizabeth <Elizabeth.Andrews@nrc.gov>; Hughey, John <John.Hughey@nrc.gov>
Subject: FYI - News - Oyster Creek

NRC Criticized For Granting Requirement Exception To Oyster Creek Plant. The Asbury Park (NJ) Press (11/25, Oglesby, 324K) reported that anti-nuclear power group Beyond Nuclear "says public health is at risk due to Oyster Creek Generating Station's recent exclusion from rules that require similar nuclear facilities to install new vents that would prevent explosions." The new vents "were ordered in 2013" in the wake of the Fukushima disaster to "help prevent an explosion from the buildup of pressure and hydrogen gas in the rare case of a meltdown." But Exelon "received an exemption" in a November letter from the NRC. Plant's had "until fall 2016 to install the first phase of the new venting system and until fall 2018 to install the second phase." But under the NRC's exemption, Exelon "will not have to add the first phase vents." Beyond Nuclear "criticized the commission's exemption and described it as a 'pass to avoid an essential safety retrofit that the federal agency itself had ordered.'"

From: Cho, Esther
Sent: Wednesday, October 29, 2014 7:48 AM
To: paul@beyondnuclear.org
Cc: Hughey, John
Subject: Response to Request for Additional Information Regarding Request for Extension to Comply with NRG Order EA-13-109: Order Modifying Licenses with Regard to Reliable Hardened Containment Vents Capable of Operation Under Severe Accident Conditions
Attachments: ML14272A323.pdf

Good Morning Mr. Paul Gunter,

The document attached to this email is publicly available in ADAMS at ML14272A323.
--

Please follow the attached document for the electronic distribution of:

DATE: September 26, 2014

TO: U.S. Nuclear Regulatory Commission

FROM: James Barstow

SUBJECT: Response to Request for Additional Information Regarding Request for Extension to Comply with NRG Order EA-13-109: Order Modifying Licenses with Regard to Reliable Hardened Containment Vents Capable of Operation Under Severe Accident Conditions

Please let me know if there is anything else I can assist you with. Thank you! Have a great day!

Sincerely,
Esther Cho

Administrative Assistant
U.S. Nuclear Regulatory Commission
NRR/JLD, Location: O-13H18
Main: 301-415-2239 Direct: 301-415-0618
Esther.Cho@nrc.gov

From: Torres, Andrea
Sent: Thursday, July 03, 2014 9:00 AM
To: Lamb, John; Hughey, John
Subject: WPC - TAC Request has been approved

HUGHEY, JOHNNY D.:

Your TAC request has been approved.

Your new TAC number(s) are as follows:

MF4352, OYSTER CREEK - Oyster Creek Request for Extension to Comply With Order EA-13-109
(Hardened Vents)

If you have any problems or questions please contact
the Work Planning Center at (301) 415-3494.

From: Hughey, John
Sent: Friday, April 25, 2014 10:18 AM
To: Bowen, Jeremy
Subject: Oyster Creek
Attachments: ML110070507.pdf

The document attached to this email is publicly available in ADAMS at ML110070507.

Jeremy,

I did a little digging and discovered that Exelon has, in fact, submitted a certification of permanent cessation of operation, pursuant to 10 CFR 50.82(a)(1)(i) and 10 CFR 50.4(b)(8) by letter dated January 7, 2011 [see attached]. The title of the letter doesn't convey the formality of the submittal but the content is clear.

So, contrary to what we thought before, Oyster Creek has formally docketed their intention to cease permanent operations under oath and affirmation.

For what it's worth...

Hughey

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/MSD
US Nuclear Regulatory Commission
Phone: (301) 415-3204

From: ADAMS IM
Sent: Monday, October 05, 2015 12:24 PM
To: Lamb, John
Cc: Hughey, John
Subject: RE: For Your Action - ML15274A010

Done. ML15274A010 has been changed to public available.

Thanks
Melissa

From: Lamb, John
Sent: Monday, October 05, 2015 11:58 AM
To: ADAMS IM <ADAMSSupport.Email@nrc.gov>
Cc: Hughey, John <John.Hughey@nrc.gov>
Subject: For Your Action - ML15274A010

Dear ADAMS IM:

I performed a SUNSI review for the Exelon letter dated September 30, 2015 (ML15274A010) for Oyster Creek Supplemental Response to Request for Additional Information Regarding Request for Extension to Comply with NRC Order EA-13-109: Order Modifying Licenses with Regard to Reliable Hardened Containment Vents Capable of Operation Under Severe Accident Conditions (TAC No. MF4352).

ADAMS Accession No. ML15274A010 does not contain any sensitive information and can be made available to the public.

Thanks.
John

From: Bowen, Jeremy
Sent: Tuesday, June 03, 2014 8:56 AM
To: Dennig, Robert
Cc: Bailey, Stewart; Titus, Brett; Karipineni, Nageswara; Bettie, Jerome; McGinty, Tim; Pelton, David; Norton, Charles; Anderson, Shaun; Hughey, John; Boska, John; Paige, Jason; Polickoski, James; Monarque, Stephen
Subject: RE: Oyster Creek - Request for Extension to Comply with NRC Order EA-13-109, "Order Modifying Licenses With Regard To Reliable Hardened Containment Vents Capable of Operation Under Severe Accident Conditions".
Attachments: Nuclear Regulatory Commission Audits of Licensee Responses to Phase 1 of the Order to Modify Licenses with Regard to Reliable Hardened Containment Vents Capable of Operation Under Severe Accident Conditions, EA-13-109

Bob,

Yes, we (JLD) have this for action.

Any support needed for specific "matrixed work" activities will be handled by the PMs in the Orders Management Branch – they will identify TACs and issue Green Sheets (this is currently the plan for the phase 1 reviews – see attached e-mail for the audit plan that went out last week).

If we need to reach out for general technical advice or questions, we'll coordinate that through Stu and Brett.

Thanks,
Jeremy

From: Dennig, Robert
Sent: Tuesday, June 03, 2014 8:43 AM
To: Bailey, Stewart
Cc: Titus, Brett; Karipineni, Nageswara; Bettie, Jerome; McGinty, Tim; Pelton, David; Norton, Charles; Anderson, Shaun
Subject: FW: Oyster Creek - Request for Extension to Comply with NRC Order EA-13-109, "Order Modifying Licenses With Regard To Reliable Hardened Containment Vents Capable of Operation Under Severe Accident Conditions".

My understanding is that you have this for action, we (DSS/SCVB) have it for information unless you request our review.

In the big scheme of things, how will the new organization manage the "matrixing back" to the line organization? Will your project managers take out TACs and issue Green Sheets?

From: E-RIDS2 Resource
Sent: Tuesday, June 03, 2014 8:20 AM
To: Wilkins, Lynnea; Titus, Brett; Szabo, Aaron; Sturzebecher, Karl; RidsNrrPMOysterCreek Resource; RidsNrrPMCooper Resource; RidsNrrDssScvb Resource; RidsNrrDss Resource; RidsNrrDorLpl4-1 Resource; RidsNrrDorLpl1-2 Resource; Reckley, William; Pettis, Robert; Olmstead, Joan; Lyon, Fred; Karipineni, Nageswara; Fuller, Edward; Dennig, Robert; Bettie, Jerome; Basu, Sudhamay; Auluck, Rajender
Subject: Oyster Creek - Request for Extension to Comply with NRC Order EA-13-109, "Order Modifying Licenses With Regard To Reliable Hardened Containment Vents Capable of Operation Under Severe Accident Conditions".

ADAMS Distribution Notification

A153 - NRC Order EA-13-109 entitled "Issuance of Order to Modify Licenses with Regard to Reliable

Hardened Containment Vents Capable of Operation Under Severe Conditions", dated June 6, 2013

Open ADAMS P8 Document(Oyster Creek - Request for Extension to Comply with NRC Order EA-13-109, "Order Modifying Licenses With Regard To Reliable Hardened Containment Vents Capable of Operation Under Severe Accident Conditions".)

View ADAMS P8 Properties ML14153A421

Accession Number	ML14153A421
Title	Oyster Creek - Request for Extension to Comply with NRC Order EA-13-109, "Order Modifying Licenses With Regard To Reliable Hardened Containment Vents Capable of Operation Under Severe Accident Conditions".
Docket Number	05000219
Document Date	06/02/2014
Author Name	Barstow J
Author Affiliation	Exelon Generation Co, LLC
Addressee Name	
Addressee Affiliation	NRC/Document Control Desk NRC/NRR
Document Type	Letter
Availability	Publicly Available
Date to be Released	06/10/2014
Document Sensitivity	Non-Sensitive
Comment	EIE-Submittal
Date Added	06/02/2014
Keyword	EIEAutoPop gjn1 tjb2

From: Cho, Esther
Sent: 3 Jun 2014 08:54:17 -0400
To: Bowen, Jeremy
Subject: Nuclear Regulatory Commission Audits of Licensee Responses to Phase 1 of the Order to Modify Licenses with Regard to Reliable Hardened Containment Vents Capable of Operation Under Severe Accident Conditions, EA-13-109

Good Morning,

Please follow the link below for the electronic distribution of:

DATE: May 27, 2014

TO: The Operating Boiling-Water Reactor Mark I and Mark II Licensees

FROM: Jack Davis

SUBJECT: Nuclear Regulatory Commission Audits of Licensee Responses to Phase 1 of the Order to Modify Licenses with Regard to Reliable Hardened Containment Vents Capable of Operation Under Severe Accident Conditions, EA-13-109

[View ADAMS P8 Properties ML14126A545](#)

[Open ADAMS P8 Document \(Nuclear Regulatory Commission Audits of Licensee Responses to Phase 1 of the Order to Modify Licenses with Regard to Reliable Hardened Containment Vents Capable of Operation Under Severe Accident Conditions, EA-13-109.\)](#)

Sincerely,

Esther Cho

Contract Administrative Assistant

U.S. Nuclear Regulatory Commission

NRR/DPR/MSD, Location: O-13H18

Main: 301-415-2239 Direct: 301-415-0618

Esther.Cho@nrc.gov

From: [Hughey, John](#)
To: [Bowman, Eric](#); [Bailey, Stewart](#); [Norton, Charles](#); [Titus, Brett](#); [Bowen, Jeremy](#); NRR-OWFN-08B04-25p
Cc: [Dennig, Robert](#); [Reckley, William](#); [McHale, John](#); [Franovich, Mike](#); [Lamb, John](#); [Auluck, Rajender](#)
Subject: FW: Oyster Creek Vent Order Extension Request
Attachments: [ML14153A421.pdf](#)

Eric,

I thought you were already on the invite to this meeting – I hope you can attend.

The document attached to this email is publicly available in ADAMS at ML14153A421.

-----Original Appointment-----

From: Hughey, John
Sent: Wednesday, June 18, 2014 12:59 PM
To: Hughey, John; Bailey, Stewart; Norton, Charles; Titus, Brett; Bowen, Jeremy; NRR-OWFN-08B04-25p
Cc: Dennig, Robert; Reckley, William; McHale, John; Franovich, Mike; Lamb, John; Auluck, Rajender
Subject: Oyster Creek Vent Order Extension Request
When: Wednesday, July 02, 2014 2:00 PM-3:00 PM (UTC-05:00) Eastern Time (US & Canada).
Where: O8B04

Meeting date moved to Wednesday, 7/02/2014, to accommodate schedules conflicts.

The purpose of this meeting is to discuss the Oyster Creek EA-13-109 Hardened Vent Order extension request (ML14153A421 – see attached). During this initial meeting, I would like to accomplish 4 things:

- 1) Develop a list of the key items that will need to be reviewed to evaluate and disposition the extension request;
- 2) Determine what the final product will be (i.e., letter, SE, or both?);
- 3) Determine who will be reviewing and providing the input for a particular item;
- 4) Establish a schedule for the interim inputs and final consolidated document.

Once we accomplish these 4 items, we can spend some time in general discussion regarding the request.

Thanks and please give me a call at 415-3204 with any questions,
John

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/ILD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov <<mailto:john.hughey@nrc.gov>>

From: [Khanna, Meena](#)
To: [Hughey, John](#)
Subject: FW: Oyster Creek
Date: Friday, April 25, 2014 3:17:59 PM
Attachments: [ML110070507.pdf](#)

The document attached to this email is publicly available in ADAMS at ML110070507.

-----Original Message-----

From: Bowen, Jeremy
Sent: Friday, April 25, 2014 2:32 PM
To: Khanna, Meena
Subject: FW: Oyster Creek

Meena,

FYI . . .

I think John Hughey and John Lamb have been communicating well on this issue; and I've asked the PMs to make sure DORL is always in the loop. But if you feel that you or your staff aren't aware of what's going on with MSD/JLD activities (now, or in the future), please let me know.

Have a great weekend!

Jeremy

From: Hughey, John
Sent: Friday, April 25, 2014 10:17 AM
To: Bowen, Jeremy
Subject: Oyster Creek

Jeremy,

I did a little digging and discovered that Exelon has, in fact, submitted a certification of permanent cessation of operation, pursuant to 10 CFR 50.82(a)(1)(i) and 10 CFR 50.4(b)(8) by letter dated January 7, 2011 [see attached]. The title of the letter doesn't convey the formality of the submittal but the content is clear.

So, contrary to what we thought before, Oyster Creek has formally docketed their intention to cease permanent operations under oath and affirmation.

For what it's worth . . .

Hughey

John Hughey
Mitigation Strategies & SFP Instrumentation Project Manager, NRR/JLD/MSD US Nuclear Regulatory
Commission
Phone: (301) 415-3204

From: [Boska, John](#)
To: [Weil, Jenny](#); [Screnci, Diane](#); [Gladney, Robert](#); [Dacus, Eugene](#); [Sheehan, Neil](#); [McNamara, Nancy](#); [Tift, Doug](#); [Kennedy, Silas](#); [Werkheiser, David](#); [Heinly, Justin](#); [Burnell, Scott](#); [Broaddus, Doug](#)
Cc: [Hughes, John](#); [Brown, Tony](#); [Halter, Mandy](#)
Subject: NRC issues vent order relaxation for Oyster Creek
Date: Tuesday, November 17, 2015 10:00:46 AM
Attachments: [2015-11-16 NRC relaxation of Oyster Creek wetwell vent ML15092A159.pdf](#)
Importance: High

Attached is the order relaxation for Oyster Creek, for Phase 1 (wetwell vent) of the vent order. Phase 2 (drywell vent) is still under review. It has been emailed to the licensee.

John Boska
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
U.S. Nuclear Regulatory Commission
301-415-2901
email: john.boska@nrc.gov

The document attached to this email is publicly available at ML15092A159.

From: Hughey, John
To: NRR-OWFN-08B04-25g; Cho, Esther; Titus, Brett; Bailey, Stewart; Norton, Charles; Lee, Brian; Brown, Tony;

(b)(6)

Subject: Teleconference With Exelon Regarding Oyster Creek Vent Order Relaxation Request

Teleconference With Exelon Regarding Oyster Creek Vent Order Relaxation Request

Bridge Line: 1-866-610-7051

(b)(6)

Pass Code:

Thanks,
John

Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/IOB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov <mailto:john.hughey@nrc.gov>

From: Hughey, John
To: NRR-OWFN-08B04-25p; Cho, Esther; Titus, Brett; Bailey, Stewart; Norton, Charles; Lee, Brian; Brown, Tony;

(b)(6) Subject: [REDACTED]
Teleconference With Exelon Regarding Oyster Creek Vent Order Relaxation Request

Rescheduled to Monday, 8/10, at 2:00pm.

Teleconference With Exelon Regarding Oyster Creek Vent Order Relaxation Request

(b)(6) Bridge Line: 1-866-610-7051
Pass Code: [REDACTED]

Thanks,
John

Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov <mailto:john.hughey@nrc.gov>

From: Hughey, John
Sent: Tuesday, September 01, 2015 8:53 AM
To: Halter, Mandy
Subject: FW: Oyster Creek Pre-Submittal Public Meeting Regarding Decommissioning Licensing Actions
Attachments: Oyster Creek Pre-Submittal Public Meeting Regarding Decommissioning Licensing Actions
Importance: High

Mandy,

Do you think someone from JLD should go to this meeting for relevance to the hardened vent extension request?

John Hughey

Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

From: Lamb, John
Sent: Tuesday, September 01, 2015 8:33 AM
To: Dusaniwskyj, Michael <Michael.Dusaniwskyj@nrc.gov>; Turtill, Richard <Richard.Turtill@nrc.gov>; Hughey, John <John.Hughey@nrc.gov>; Halter, Mandy <Mandy.Halter@nrc.gov>; Watson, Bruce <Bruce.Watson@nrc.gov>; Sampson, Michele <Michele.Sampson@nrc.gov>; Wastler, Sandra <Sandra.Wastler@nrc.gov>; Felts, Russell <Russell.Felts@nrc.gov>; Wittick, Brian <Brian.Wittick@nrc.gov>; Diaz-Sanabria, Yaira <Yaira.Diaz-Sanabria@nrc.gov>; Dean, Jeremy <Jeremy.Dean@nrc.gov>; Jackson, Christopher <Christopher.Jackson@nrc.gov>; Elliott, Robert <Robert.Elliott@nrc.gov>; Shoop, Undine <Undine.Shoop@nrc.gov>; Weerakkody, Sunil <Sunil.Weerakkody@nrc.gov>
Cc: Broaddus, Doug <Doug.Broaddus@nrc.gov>; Khanna, Meena <Meena.Khanna@nrc.gov>
Subject: FW: Oyster Creek Pre-Submittal Public Meeting Regarding Decommissioning Licensing Actions
Importance: High

From: Hughey, John
Sent: Friday, September 26, 2014 10:49 AM
To: Titus, Brett; Norton, Charles
Cc: Halter, Mandy; Bowman, Eric
Subject: FW: Oyster Creek Vent Order Extension Request RAI Response Submittal
Attachments: Oyster Creek Vent Order Extension Request RAI Response 09-26-14 RS-14-243 .pdf

FYI

(b)(6) **From:** [REDACTED]
Sent: Friday, September 26, 2014 9:39 AM
To: Hughey, John
(b)(6) **Cc:** Lamb, John; [REDACTED]
Subject: Oyster Creek Vent Order Extension Request RAI Response Submittal

John – Attached is an advance copy of the Oyster Creek Vent Order extension request RAI response being submitted today via EIE.

Please let me know if any additional information is needed.

Thanks.

(b)(6) [REDACTED]

This e-mail and any attachments are confidential, may contain legal, professional or other privileged information, and are intended solely for the addressee. If you are not the intended recipient, do not use the information in this e-mail in any way, delete this e-mail and notify the sender. -EXCIP

From: Halter, Mandy
Sent: Tuesday, November 17, 2015 10:05 AM
To: Titus, Brett
Subject: FW: NRC issues vent order relaxation for Oyster Creek
Attachments: 2015-11-16 NRC relaxation of Oyster Creek wetwell vent ML15092A159.pdf

Importance: High

The document attached to this email is publicly available in ADAMS at ML15092A0159.

From: Boska, John
Sent: Tuesday, November 17, 2015 10:01 AM
To: Weil, Jenny; Screnci, Diane; Gladney, Robert; Dacus, Eugene; Sheehan, Neil; McNamara, Nancy; Tift, Doug; Kennedy, Silas; Werkheiser, David; Heinly, Justin; Burnell, Scott; Broaddus, Doug
Cc: Hughey, John; Brown, Tony; Halter, Mandy
Subject: NRC issues vent order relaxation for Oyster Creek
Importance: High

Attached is the order relaxation for Oyster Creek, for Phase 1 (wetwell vent) of the vent order. Phase 2 (drywell vent) is still under review. It has been emailed to the licensee.

John Boska
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
U.S. Nuclear Regulatory Commission
301-415-2901
email: john.boska@nrc.gov

From: Hughey, John
Sent: Wednesday, June 10, 2015 12:39 PM
To: Bailey, Stewart; Titus, Brett; Lee, Brian; Halter, Mandy
Subject: FW: Oyster Creek Draft Seismic Evaluation
Attachments: Oyster Creek HCVS 8 and 10-inch Piping Seismic Capabilities.docx

FYI

John Hughey

Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

(b)(6) **From:** [REDACTED]
Sent: Wednesday, June 10, 2015 12:27 PM
To: Hughey, John
Subject: Oyster Creek Draft Seismic Evaluation

John – I am emailing you the Oyster Creek seismic evaluation white paper summarizing the discussion today.

Thanks.

[REDACTED] (b)(6)

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From: Hughey, John
Sent: Friday, February 20, 2015 10:09 AM
To: Norton, Charles; Titus, Brett
Cc: Bailey, Stewart; Halter, Mandy
Subject: Oyster Creek Relaxation DEcision Due Date

Chuck and Brett,

Back in January we said that we changed the decision due date to 3/31/2015 for the Oyster Creek vent order relaxation request. The status at that time was that Brett had recommended granting the relaxation for Phase 1 only and Stew was reviewing his recommendation.

Have we finalized the technical decision on the Oyster Creek relaxation? I just wanted to get this back on our radar with the decision due date coming up.

Thanks,
Hughey

From: Proffitt, Andrew
Sent: Monday, January 05, 2015 7:39 AM
To: Roque-Cruz, Carla
Cc: Halter, Mandy; Hughey, John
Subject: RE: Request for Input for Next Biweekly Memo

The due date has been changed to 3/31/15 in the task tracker.

-Andrew

From: Roque-Cruz, Carla
Sent: Wednesday, December 31, 2014 11:54 AM
To: Proffitt, Andrew
Cc: Halter, Mandy; Hughey, John
Subject: FW: Request for Input for Next Biweekly Memo

Andrew,

Can you change the date for this task to March 31, 2015? See below.

From: Hughey, John
Sent: Wednesday, December 31, 2014 11:09 AM
To: Bernardo, Robert; Roque-Cruz, Carla
Cc: Halter, Mandy; Titus, Brett; Bailey, Stewart; Norton, Charles
Subject: RE: Request for Input for Next Biweekly Memo

Greg,

The Oyster Creek relaxation for EA-13-109 decision has not been made yet and won't be for a while. So, no letters will be going out any time soon.

Carla,

Per our discussion with Brett, he has completed the review of the revised RAI responses and provided that to Stew, along with draft slides for discussion with JLD management regarding the phase 2 issue and suggested paths forward. I recommend that a new decision due date of March 31, 2015, be set as the decision making due date. Oyster Creek is not required to be in compliance with Order EA-13-109 until the Fall of 2016.

Thanks,
John

John Hughey

Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

From: Bernardo, Robert
Sent: Wednesday, December 31, 2014 10:22 AM
To: Roque-Cruz, Carla; Hughey, John
Cc: Halter, Mandy
Subject: RE: Request for Input for Next Biweekly Memo

Greg Bowman had a comment on the biweekly:

- The task tracker has a due date of 12/31 for deciding on the Oyster Creek relaxation for EA-13-109 (assigned to John Hughey). It might be a good idea to explicitly check with Carla or John to see if we think it'll be going out before 1/16. We wouldn't want to be in a position where we need to hold that letter until the next memo, so if we think there's a possibility it might go out, we probably ought to go ahead and add it now.

Bob Bernardo

Policy and Support Branch
Japan Lessons-Learned Division
US Nuclear Regulatory Commission
O-13E11; MS O-13F15M
301-415-2621
Robert.Bernardo@nrc.gov

From: Roque-Cruz, Carla
Sent: Wednesday, December 31, 2014 9:52 AM
To: Bernardo, Robert
Cc: Halter, Mandy
Subject: RE: Request for Input for Next Biweekly Memo

Bob,
Here is JOMB's input for the biweekly memo.

Browns Ferry onsite audit the week of January 5th
Browns Ferry Units 2 and 3 relaxation request approved for Order 49 (to coincide with mods required for Order 109)
ML14281A198
Surry onsite audit the week of January 12th

We will be issuing the Braidwood Audit Plan by this Friday, 1/2/15 (maybe sooner).

From: Bernardo, Robert
Sent: Wednesday, December 31, 2014 8:13 AM
To: Roque-Cruz, Carla
Subject: RE: Request for Input for Next Biweekly Memo

Just a friendly reminder for input by noon today. With the early dismissal today, if you can make it earlier, that would be great. Thanks.

Bob Bernardo

Policy and Support Branch
Japan Lessons-Learned Division
US Nuclear Regulatory Commission
O-13E11; MS O-13F15M
301-415-2621
Robert.Bernardo@nrc.gov

From: Bernardo, Robert
Sent: Monday, December 29, 2014 7:16 AM
To: Gibson, Lauren; Kuntz, Robert; DiFrancesco, Nicholas; Gamberoni, Marsha; Auluck, Rajender; Inverso, Tara; Reckley, William; Vega, Frankie; Witt, Kevin
Cc: Whaley, Sheena; Roque-Cruz, Carla; Bowman, Gregory; Bowen, Jeremy; Franovich, Mike
Subject: Request for Input for Next Biweekly Memo

Good morning,

Please provide input to me for the next Commission Status Update Memo by **NOON Wednesday, December 31, 2014**. I'm asking for the input by noon (as opposed to COB) to help get the memo to OEDO Friday morning, considering the New Years holiday on Thursday, January 1, 2015. Please let me know of any issues with the earlier time. Please let me know if you have nothing to input for this cycle as well.

The last biweekly memo as issued (December 24, 2014) is attached.

As a reminder, what we're looking for are:

- 1) Significant accomplishments since the last memo (December 22– January 2). Please include a brief description of any public meetings and their significant outcomes. Please also include any extension/relief requests received. Please include any correspondence with industry that was issued since the last memo. This should include: letters to NEI, letters from NEI, letters to multiple licensees, letters to individual licensees when the issue is particularly of interest (for example, Indian Point), and the first and last issuances of significant documents (such as staff assessments, etc.).
- 2) Expected upcoming activities/accomplishments/correspondence for the next two weeks (January 5 – January 16). For the sake of being complete, please also include any correspondence with industry that you think will be issued or received by January 23rd—three weeks out. We want to make sure that the Commission gets sufficient heads up in case the documents end up being issued or received earlier.
- 3) A review of the table in Enclosure 2 of the link to make sure it is up to date and best represents the status of each item.

- 4) A review of the information in Enclosure 3 of the link to make sure it is up to date regarding the status of rescissions, relaxations, and reliefs to Order and 50.54(f) letter requirements.

In addition to any items/changes you provide, I will reach out to you individually if we come up with any items for which we believe we need an input.

Thanks,

Bob Bernardo

Policy and Support Branch
Japan Lessons-Learned Division
US Nuclear Regulatory Commission
O-13E11; MS O-13F15M
301-415-2621
Robert.Bernardo@nrc.gov

From: Hughey, John
Sent: Tuesday, August 18, 2015 9:43 AM
To: Halter, Mandy
Subject: Possibility of Public Meeting Regarding Oyster Creek Hardened Vent Order Relaxation

Mandy,

Yesterday, you asked me to write up the background regarding Paul Gunter's interest in the Oyster Creek Hardened Vent Order Extension Request. My recollections are all from memory of discussions that others have had with him, namely Jeremy, John Lamb and Esther.

Back when OC submitted the request June, 2014, I recall that Jeremy was contacted directly by Paul Gunter, inquiring/requesting that NRC hold a public meeting to discuss the OC request. I believe that Jeremy was contacted again in September 2014 and November 2014 when Exelon provided supplements to the request. My understanding from Jeremy is that Mr. Gunter had repeated the request for a public meeting regarding the OC HV Order Relaxation each time they talked. Mr. Gunter contacted John Lamb last November inquiring about a meeting and then he contacted my voicemail as well and spoke with Esther as I was on an audit trip.

So, all of this is simply to say that we can anticipate that Mr. Gunter will be contacting us again when Exelon provides their supplement in the next few weeks. I can't remember if Jeremy did or did not want a public meeting. If we are going to hold a public meeting, then we need to decide if it's to be held before or after we issue the OC Relaxation decision. My understanding of Mr. Gunter's request is for a meeting before we make the decision.

Thanks,
John

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

From: Halter, Mandy
Sent: Friday, November 06, 2015 8:40 AM
To: Titus, Brett
Subject: FW: query: Oyster Creek extension request

From: Bowen, Jeremy
Sent: Friday, November 06, 2015 8:34 AM
To: Halter, Mandy
Subject: RE: query: Oyster Creek extension request

Thanks. Greg and I had a brief phone conversation with Jessie yesterday right before I left. Got some more insight on what Johnson wants us to do, so I'll share that with Brett this am.

From: Halter, Mandy
Sent: Friday, November 06, 2015 8:22 AM
To: Bowen, Jeremy <Jeremy.Bowen@nrc.gov>
Subject: FW: query: Oyster Creek extension request

Heads up on this correspondence with Jessie.

Brett said you and he are talking today about the one pager/walkaround.

From: Quichocho, Jessie
Sent: Friday, November 06, 2015 7:28 AM
To: Halter, Mandy
Subject: RE: query: Oyster Creek extension request

This is perfect, thanks!!

From: Halter, Mandy
Sent: Friday, November 06, 2015 7:15 AM
To: Quichocho, Jessie <Jessie.Quichocho@nrc.gov>
Cc: Titus, Brett <Brett.Titus@nrc.gov>
Subject: RE: query: Oyster Creek extension request

Hi Jessie,

The letter is in final stages of concurrence but is not yet ready to be signed out; we slowed our review given the CA walkaround.

There is no impact to delaying the issuance by a week or two.

The duration of our review has been for due diligence. Our review involved comparing the requirements of the order and the NRC-endorsed industry guidance with the plant design and the licensee's planned compensatory measures in order to determine whether the licensee was meeting the intent of the order. Initially, Exelon did not provide adequate information for the staff to complete this type of review.

Let me know if you have any additional questions.

Mandy

From: Quichocho, Jessie
Sent: Friday, November 06, 2015 7:00 AM
To: Halter, Mandy
Subject: query: Oyster Creek extension request

Some questions I have...

Is the ltr ready to be issued?

Any impact to delaying its issuance a week or two?

Why has it been so long for us to respond? (just a sentence or two on this one)

Thanks,
Jessie

From: Hughey, John
Sent: Wednesday, August 27, 2014 10:18 AM
To: Lamb, John; Kulp, Jeffrey; Patel, Amar; Kennedy, Silas; Cline, Leonard
Cc: Halter, Mandy
Subject: Oyster Creek RAIs Regarding Hardened Vent Order
Attachments: Oyster Creek RAI(ML14220A27).docx

The document attached to this email is publicly available in ADAMS at ML14220A027.

Morning,

I just wanted to give you all a heads up that the Oyster Creek RAIs regarding the Hardened Vent Order will be issued later today. An advanced copy is attached. (DORL concurred on the letter back on 8/13.)

(b)(6) [redacted] the Exelon [redacted], is also aware that the RAIs are being issued today.

Please give me a call with any questions, (b)(6)
John

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

From: Halter, Mandy
Sent: Monday, November 09, 2015 12:44 PM
To: Bowen, Jeremy; Bowman, Gregory
Cc: Titus, Brett
Subject: RE: ACTION: Oyster Creek EA-13-109 Relaxation One-Pager

I made copies to bring to the briefing.

Mandy

From: Quichocho, Jessie
Sent: Monday, November 09, 2015 9:03 AM
To: Bowen, Jeremy <Jeremy.Bowen@nrc.gov>; Bowman, Gregory <Gregory.Bowman@nrc.gov>
Cc: Halter, Mandy <Mandy.Halter@nrc.gov>; Titus, Brett <Brett.Titus@nrc.gov>
Subject: Re: ACTION: Oyster Creek EA-13-109 Relaxation One-Pager

Please bring copies. I'll try and provide them advanced copies.

I'll see if I can get questions from them early.

Jessie

From: Bowen, Jeremy
Sent: Monday, November 9, 2015 8:47:58 AM
To: Quichocho, Jessie; Bowman, Gregory
Cc: Halter, Mandy; Titus, Brett
Subject: RE: ACTION: Oyster Creek EA-13-109 Relaxation One-Pager

Did you provide the one-pager to the TAs already, or do we need to bring copies?

Jeremy

From: Quichocho, Jessie
Sent: Friday, November 06, 2015 4:36 PM
To: Bowman, Gregory <Gregory.Bowman@nrc.gov>
Cc: Halter, Mandy <Mandy.Halter@nrc.gov>; Titus, Brett <Brett.Titus@nrc.gov>; Bowen, Jeremy <Jeremy.Bowen@nrc.gov>
Subject: ACTION: Oyster Creek EA-13-109 Relaxation One-Pager
Importance: High

I edited the one-pager and moved things around.

Please confirm I did not change the intent of the wording/messaging.

I will be putting this in front of Mike on Monday at 7 am and hopefully get approval before the CA briefing.

If the one-pager is approved by Mike before the Tier2/3 CA briefing, the CAs will hold over for 15 minutes to hear about Oyster Creek.

Thanks,
Jessie

Jessie Quichocho
301-415-0209

From: Bowman, Gregory
Sent: Friday, November 06, 2015 3:42 PM
To: Quichocho, Jessie <Jessie.Quichocho@nrc.gov>
Cc: Halter, Mandy <Mandy.Halter@nrc.gov>; Titus, Brett <Brett.Titus@nrc.gov>; Bowen, Jeremy <Jeremy.Bowen@nrc.gov>
Subject: Re: Oyster Creek EA-13-109 Relaxation One-Pager

It actually might be a little tight from a timing standpoint to try to fit it in after the briefing on Tier 2 and 3, but I guess we can see how it goes.

Greg Bowman
Sent from my NRC Blackberry

(b)(6)

From: Quichocho, Jessie
Sent: Friday, November 06, 2015 03:20 PM
To: Bowen, Jeremy
Cc: Halter, Mandy; Titus, Brett; Bowman, Gregory
Subject: RE: Oyster Creek EA-13-109 Relaxation One-Pager

There was a suggestion to have it as part of the Tier2/3 briefing with them next week. I am trying to see what Mike's thoughts are on the one -pager but have not had any luck in getting to him today. Will talk to him after the 7:45 mtg on Monday morning.

Will let you know what happens.

Jessie

From: Bowen, Jeremy
Sent: Friday, November 06, 2015 12:01 PM
To: Quichocho, Jessie <Jessie.Quichocho@nrc.gov>
Cc: Halter, Mandy <Mandy.Halter@nrc.gov>; Titus, Brett <Brett.Titus@nrc.gov>; Bowman, Gregory <Gregory.Bowman@nrc.gov>
Subject: Oyster Creek EA-13-109 Relaxation One-Pager

Jessie,

The subject document is attached.

Please provide this to the Commission TAs and let us know when they are ready for Mandy and Brett to conduct the walk-around.

Thanks,
Jeremy

From: Halter, Mandy
Sent: Thursday, November 05, 2015 4:54 PM
To: Quichocho, Jessie; Titus, Brett
Subject: RE: Driver for Oyster Creek Walkaround

Hi Jessie,

Thanks for the info.

We're talking to Jeremy tomorrow morning about the one pager and we should be able to get it to you shortly thereafter.

The plan is still for Brett and I to do the walk around, as we are best equipped to answer any questions that come up.

Thanks and have a great evening,
Mandy

From: Quichocho, Jessie
Sent: Thursday, November 05, 2015 4:01 PM
To: Halter, Mandy; Titus, Brett
Subject: Driver for Oyster Creek Walkaround

Mandy,

To close the loop with you, the driver for this is just a status update given that the date has always been end of October on all the biweekly updates.

I do need the one-pager quickly so I can get it in front of Mike Johnson for approval. I think he is in tomorrow.

Let's look to do the walkaround Mon/Tue/Thu next week. Also, because the CAs may have questions, who will be doing the walkaround?

Thanks,
Jessie

From: Halter, Mandy
Sent: Wednesday, December 02, 2015 9:39 AM
To: Bowman, Gregory
Cc: Gibson, Lauren
Subject: RE: JLD_Relaxation_blog.docx

Sounds good, Greg. I have not had a chance to look at it yet, so I will wait until you're through it.

Mandy

From: Bowman, Gregory
Sent: Wednesday, December 02, 2015 7:21 AM
To: Halter, Mandy <Mandy.Halter@nrc.gov>
Cc: Bamford, Peter <Peter.Bamford@nrc.gov>; Gibson, Lauren <Lauren.Gibson@nrc.gov>
Subject: RE: JLD_Relaxation_blog.docx

Mandy,

I'm not sure if you've looked at the blog post yet, but I started on it yesterday evening and it might make sense for you to let me get through it before you look it over. I have a few changes I'm going to propose to Lauren and it might make it easier from a version control standpoint if we review it in series rather than in parallel. I'll try to get through it today, such that Lauren can have an updated version ready for you to look at tomorrow.

Greg

From: Gibson, Lauren
Sent: Monday, November 30, 2015 8:59 AM
To: Bowman, Gregory <Gregory.Bowman@nrc.gov>; Halter, Mandy <Mandy.Halter@nrc.gov>
Cc: Bamford, Peter <Peter.Bamford@nrc.gov>
Subject: JLD_Relaxation_blog.docx

Greg and Mandy,

Here is the blog post on relaxations/relief requests, as edited by OPA. As you may know, the Oyster Creek relaxation got some media attention last week. Beyond Nuclear issued a negative press release, and OPA got questions from the media about it. Therefore, Scott would like to get this blog post up sooner rather than later.

Thanks,
Lauren

Lauren K. Gibson
Project Manager
Policy and Support Branch
Japan Lessons Learned Division
(301) 415-1056

From: Halter, Mandy
Sent: Wednesday, August 13, 2014 8:29 PM
To: Gibson, Lauren
Subject: RE: Next Biweekly Memo to the Commission

New item for Attachment 3:

- On August 1, 2014, Union Electric Company (Ameren Missouri), submitted a relaxation request for Callaway Unit 1 (ADAMS Accession No. ML ML14217A236). The licensee is requesting relaxation of the requirement for completion of full implementation as prescribed in Section IV.A.2 of the order. Specifically, the licensee is requesting permission to design and construct a new hardened Condensate Storage Tank and FLEX storage building to Regulatory Guide 1.76, Revision 1, rather than Regulatory Guide 1.76, Revision 2. The NRC staff is currently evaluating this request.

Note: The Salem MS order request and Oyster Creek hardened vent order requests are still being reviewed.

Mandy

From: Gibson, Lauren
Sent: Monday, August 11, 2014 11:57 AM
To: Kuntz, Robert; DiFrancesco, Nicholas; Monarque, Stephen; Harris, Brian; Reckley, William; Halter, Mandy; Inverso, Tara; Whaley, Sheena; Orders, William; Sebrosky, Joseph; Balazik, Michael; Uribe, Juan; Bowman, Gregory; Norton, Charles
Subject: FW: Next Biweekly Memo to the Commission

To all:

Please provide input to me for the next Commission Status Update Memo by **COB Wednesday, August 13, 2014**

Attached is the draft of the last memo. It has not yet been issued.

As a reminder, what we're looking for are:

- 1) Significant accomplishments since the last memo (August 4 – August 15). Please include a brief description of any public meetings and their significant outcomes. Please also include any extension/relief requests received.
- 2) Expected upcoming activities/accomplishments for the next two weeks (August 18—August 29)
- 3) A review of the table in Enclosure 2 of the link to make sure it is up to date and best represents the status of each item.
- 4) A review of the information in Enclosure 3 of the link to make sure it is up to date regarding the status of rescissions, relaxations, and reliefs to Order and 50.54(f) letter requirements.

In addition to any items/changes you provide, I will reach out to you individually if we come up with any items for which we believe we need an input.

Thanks,

Lauren

From: Halter, Mandy
Sent: Thursday, March 12, 2015 6:30 PM
To: Hughey, John
Cc: Bernardo, Robert; Auluck, Rajender
Subject: RE: Question

___ Thanks, John!

From: Hughey, John
Sent: Thursday, March 12, 2015 3:16 PM
To: Halter, Mandy
Cc: Bernardo, Robert; Auluck, Rajender
Subject: RE: Question

The latest status I have is that Brett Titus has reviewed the request and sent a recommendation to Stew Bailey that we accept the OC extension request for Phase 1 venting, but that we will need additional information regarding the extension for Phase 2 venting. This recommendation now under review by Stew Bailey. We have a deadline on some list somewhere that says that we will make the OC extension request decision by 3/31/2015. In order to be able to issue the extension/request for additional information as soon as possible after the decision is made, I am currently working on the basic package now and will add the details as they become available.

John Hughey
Mitigation Strategies & SFP Instrumentation Project Manager, NRR/JLD/JOMB US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

From: Halter, Mandy
Sent: Thursday, March 12, 2015 2:41 PM
To: Hughey, John
Cc: Bernardo, Robert; Auluck, Rajender
Subject: FW: Question

John – can you provide a status update on our review of the OC extension request? I know you are actively working on this.

Thanks!

Mandy

From: Bernardo, Robert
Sent: Thursday, March 12, 2015 2:39 PM
To: Halter, Mandy
Cc: Auluck, Rajender
Subject: Question

Mike F. had a question on the following paragraph in the 6 month SECY paper:

Oyster Creek submitted a request for extension to comply with Order EA-13-109 until January 31, 2020. The plant is expected to be shut down permanently at that time. Oyster Creek is currently required to be in compliance with Phase 1 (wetwell venting system) of the order by startup after the fall 2016 refueling outage and Phase 2 (drywell venting system) of the order by startup after the fall 2018 refueling outage. The NRC staff is evaluating the request.

His question: Where are we with this request?

Do either of you know where we are with this request? If not, who should I contact? Thanks!

Bob Bernardo

Policy and Support Branch
Japan Lessons-Learned Division
US Nuclear Regulatory Commission
O-13E11; MS O-13F15M
301-415-2621
Robert.Bernardo@nrc.gov<mailto:Robert.Bernardo@nrc.gov>

From: Halter, Mandy
Sent: Thursday, October 15, 2015 7:08 AM
To: 'Paul Gunter'
Subject: RE: Re: Talk about Oyster Creek's compliance request

Great. I'll block my calendar for 8:00 am. Thanks, Paul.

Mandy

From: Paul Gunter [mailto:paul@beyondnuclear.org]
Sent: Thursday, October 15, 2015 7:08 AM
To: Halter, Mandy <Mandy.Halter@nrc.gov>
Subject: [External_Sender] Re: Talk about Oyster Creek's compliance request

10:30 am works but so would 8:00 am.

Thanks,
Paul

Sent from my iPhone

On Oct 15, 2015, at 6:28 AM, Halter, Mandy <Mandy.Halter@nrc.gov> wrote:

Paul,

I have meetings from 9:00-9:30 and 10:00-10:30. How about 9:30 or 10:30?

Mandy

From: Paul Gunter [mailto:paul@beyondnuclear.org]
Sent: Wednesday, October 14, 2015 4:42 PM
To: Halter, Mandy <Mandy.Halter@nrc.gov>
Subject: [External_Sender] Re: Talk about Oyster Creek's compliance request

Mandy,

Thanks for the reply.

I have some time in the early part of Friday 10/16.
Can I call you at 9 AM or 10 AM ET?

Paul

On Wed, Oct 14, 2015 at 4:37 PM, Halter, Mandy <Mandy.Halter@nrc.gov> wrote:

Hi Paul,

Sorry I missed your calls today. I'd be happy to speak with you. Tomorrow is pretty packed for me, and I'm on vacation next week. Are you available this Friday, October 16?

Mandy

From: Paul Gunter [mailto:paul@beyondnuclear.org]
Sent: Wednesday, October 14, 2015 4:34 PM
To: Halter, Mandy <Mandy.Halter@nrc.gov>
Subject: [External_Sender] Talk about Oyster Creek's compliance request

Hi Mandy,

Dr. Rajender Auluck gave me your name as the point of contact for some questions regarding Exelon's request for an "extension to comply" with EA 13-109 Phase I and Phase 2 requirements for severe accident capable containment vent and SAMA/SAWA.

I would like to arrange a time to discuss over the telephone how the NRC is progressing towards resolving Exelon's request.

We now anticipate that the agency might also receive a request from Entergy for a similar waiver for the Pilgrim nuclear power station which recently announced that it will close the plant no later than June 2019. Pilgrim has a Phase I compliance deadline following the Spring 2017 refueling outage. Similarly, we are anticipating an upcoming announcement regarding the early closure of the Fitzpatrick nuclear power station that might also conflict with Current Licensing Basis as modified by the Order.

Many thanks,

Paul

--

Paul Gunter, Director
Reactor Oversight Project
Beyond Nuclear
6930 Carroll Avenue Suite 400
Takoma Park, MD 20912

Tel. 301 270 2209
www.beyondnuclear.org

--

Paul Gunter, Director
Reactor Oversight Project
Beyond Nuclear
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Takoma Park, MD 20912
Tel. 301 270 2209
www.beyondnuclear.org

From: Titus, Brett
Sent: Friday, November 06, 2015 1:47 PM
To: Halter, Mandy; Hughey, John
Subject: RE: Oyster Creek EA-13-109 Relaxation One-Pager

Nah. I take minimal credit there. I think every bullet had contributions from every person, so, if ever there was a team effort...

From: Halter, Mandy
Sent: Friday, November 06, 2015 1:43 PM
To: Hughey, John
Cc: Titus, Brett
Subject: RE: Oyster Creek EA-13-109 Relaxation One-Pager

Hat tip to Brett.

From: Hughey, John
Sent: Friday, November 06, 2015 1:42 PM
To: Halter, Mandy
Cc: Titus, Brett
Subject: RE: Oyster Creek EA-13-109 Relaxation One-Pager

Thanks, Mandy. I like what you guys did with the Phase 2 review item.

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

From: Halter, Mandy
Sent: Friday, November 06, 2015 1:32 PM
To: Hughey, John <John.Hughey@nrc.gov>
Cc: Titus, Brett <Brett.Titus@nrc.gov>
Subject: FW: Oyster Creek EA-13-109 Relaxation One-Pager

John – FYI, this is the final version that we sent up to OEDO. Thanks for putting this together!

Jessie Q. is currently the OEDO ETA for NRR. He will accompany Brett and I on the walk around next week.

Mandy

From: Bowen, Jeremy
Sent: Friday, November 06, 2015 12:01 PM
To: Quichocho, Jessie
Cc: Halter, Mandy; Titus, Brett; Bowman, Gregory
Subject: Oyster Creek EA-13-109 Relaxation One-Pager

Jessie,

The subject document is attached.

Please provide this to the Commission TAs and let us know when they are ready for Mandy and Brett to conduct the walk-around.

Thanks,
Jeremy

From: Halter, Mandy
Sent: Monday, May 18, 2015 11:36 AM
To: Brown, Tony
Subject: RE: Request for Inputs for Next Memo

The OC relaxation is already in the memo. It says we're reviewing the request so we shouldn't need to update the wording for that one.

Separate topic - can you please ask Jason and Steve P if anyone approved their time and if not ask one of the other BCs to do it? They were the only two who weren't ready when I left Thursday evening. Esther may already be on top of this.

Thanks!

Mandy

From: Brown, Tony
Sent: Monday, May 18, 2015 11:20 AM
To: Boska, John; Bamford, Peter; Monarque, Stephen; Hughey, John; Philpott, Stephen; Norton, Charles; Paige, Jason
Cc: Halter, Mandy
Subject: REQ: Request for Inputs for Next Memo

PMs,

If you have any input for the biweekly memo, please provide to me by COB today, Monday, May 18th. The two items I have are the Oyster Creek relaxation (with JCBB for review) and the TI-191 exit meeting at Watts Bar.

Thanks.

Respectfully,

Tony Brown
Project Manager, Orders Management Branch Japan Lessons-Learned Division
Office: 301-415-1924
Email: tony.brown@nrc.gov<<mailto:tony.brown@nrc.gov>>

From: Gibson, Lauren
Sent: Monday, May 18, 2015 11:04 AM
To: Auluck, Rajender; Oesterle, Eric; Reckley, William; Vega, Frankie; Witt, Kevin; Philpott, Stephen; Hall, Victor; Brown, Tony
Cc: Bowman, Gregory; Halter, Mandy; Shams, Mohamed; Inverso, Tara; DiFrancesco, Nicholas; Kuntz, Robert
Subject: Request for Inputs for Next Memo

Good morning,

Please provide input to me for the next biweekly Commission Status Update Memo by COB Tuesday, May 19, 2015.

Here is the link to the last biweekly memo:

ADAMS Accession No.:

ML15131A375<https://adamsxt.nrc.gov/WorkplaceXT/getContent?objectStoreName=Main.____.Library&id=current&vsId=%7bD2107CAA-10B6-4FFB-AFD2-010A4C1C4D67%7d&objectType=document>

As a reminder, what we're looking for are:

- 1) Significant accomplishments since the last memo (May 11—May 22). Please include a brief description of any public meetings and their significant outcomes. Please also include any extension/relief requests received. Please include any correspondence with industry that was issued since the last memo. This should include: letters to NEI, letters from NEI, letters to multiple licensees, letters to individual licensees when the issue is particularly of interest (for example, Indian Point), and the first and last issuances of significant documents (such as staff assessments, etc.).
- 2) Expected upcoming activities/accomplishments/correspondence for the next two weeks (May 26—June 5). For the sake of being complete, please also include any correspondence with industry that you think will be issued or received by June 12—three weeks out. We want to make sure that the Commission gets sufficient heads up in case the documents end up being issued or received earlier.
- 3) A review of the table in Enclosure 2 of the link to make sure it is up to date and best represents the status of each item.
- 4) A review of the information in Enclosure 3 of the link to make sure it is up to date regarding the status of rescissions, relaxations, and reliefs to Order and 50.54(f) letter requirements.
- 5) For flooding, a review of the information in Enclosure 4 to ensure that it is accurate as of May 22, 2015.

In addition to any items/changes you provide, I will reach out to you individually if we come up with any items for which we believe we need an input.

Thanks,

Lauren K. Gibson
Project Manager
Policy and Support Branch
Japan Lessons Learned Division
(301) 415-1056

From: Halter, Mandy
Sent: Wednesday, November 04, 2015 7:23 AM
To: Titus, Brett; Hughey, John
Subject: RE: RE-Worked Talking Points For Oyster Creek Commissioner TA's Walkaround

I like Brett's suggestions. Thanks for putting this together, John. I'll let you know if we need any additional info before our walkaround.

Mandy

From: Titus, Brett
Sent: Monday, November 02, 2015 4:18 PM
To: Hughey, John; Halter, Mandy
Subject: RE: RE-Worked Talking Points For Oyster Creek Commissioner TA's Walkaround

Thanks for getting this document going, John.

I'm sure we'll strategize some more in-person before we start walking and talking, but I just threw a few ideas onto the working copy.

See what you all think, and we'll go from there.

~BT

From: Hughey, John
Sent: Monday, November 02, 2015 3:13 PM
To: Halter, Mandy <Mandy.Halter@nrc.gov>; Titus, Brett <Brett.Titus@nrc.gov>
Subject: RE-Worked Talking Points For Oyster Creek Commissioner TA's Walkaround
Importance: High

Mandy and Brett,

I have re-worked the Oyster Creek talking points elaborate on the Phase 2 review and place them in a format that the Commissioner TA's would be more familiar with.

Let me know if you have any comments. I am out on Tuesday on SL, but will be back on Wednesday.

Thanks,
John

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

From: Halter, Mandy
Sent: Wednesday, June 17, 2015 1:26 PM
To: Quinones-Navarro, Joylynn
Subject: Re: Request for inputs for biweekly memo

No, please leave this in.

Thanks,
Mandy

From: Quinones-Navarro, Joylynn
Sent: Wednesday, June 17, 2015 1:21 PM
To: Halter, Mandy
Subject: FW: Request for inputs for biweekly memo

Should we delete this bullet from the memo?

- On June 2, 2014, Exelon submitted a request for an extension to comply with the NRC order for severe accident capable reliable hardened vents for the Oyster Creek Nuclear Generating Station (Agencywide Document Access and Management System (ADAMS) Accession No. ML14153A421). Based on the timelines specified in the order, Exelon is currently required to implement Phase 1 of the order at Oyster Creek by startup from the fall 2016 refueling outage and Phase 2 by startup from the fall 2018 refueling outage. Exelon requested an extension for both phases of the order until January 31, 2020. Oyster Creek is expected to be permanently shutdown at that time. The NRC staff is currently evaluating Exelon's request.

Please let me know... I think I got the rest. I will send you the input as soon as you respond to this email for your review. Lauren requested the input by noon, and I got behind with my travel issue... I called everyone trying to get the issue fixed. ☺ I am so sorry.

Joylynn M. Quinones-Navarro

Reactor Operations Engineer/Orders Management Branch
Japan Lessons-Learned Division
Phone: 301-415-0857

From: Gibson, Lauren
Sent: Monday, June 15, 2015 3:07 PM
To: Quinones-Navarro, Joylynn; Govan, Tekia; Vega, Frankie; Oesterle, Eric
Cc: Bowman, Gregory; Halter, Mandy; Shams, Mohamed; Inverso, Tara
Subject: Request for inputs for biweekly memo

Good afternoon,

Please provide input to me for the next biweekly Commission Status Update Memo by **noon Wednesday, June 17, 2015.**

Here is the link to the last biweekly memo:

[View ADAMS P8 Properties ML15155B712](#)

Open ADAMS P8 Document (06/08/15 Periodic Commission Update on Status of Tier 1 and Tier 2 Near-Term Task Force Recommendations (Memorandum To: The Commissioners; From: Michael R. Johnson))

As a reminder, what we're looking for are:

- 1) Significant accomplishments since the last memo (June 8—June 19). Please include a brief description of any public meetings and their significant outcomes. Please also include any extension/relief requests received. Please include any correspondence with industry that was issued since the last memo. This should include: letters to NEI, letters from NEI, letters to multiple licensees, letters to individual licensees when the issue is particularly of interest (for example, Indian Point), and the first and last issuances of significant documents (such as staff assessments, etc.).
- 2) Expected upcoming activities/accomplishments/correspondence for the next two weeks (June 22—July 3). For the sake of being complete, please also include any correspondence with industry that you think will be issued or received by July 10th—three weeks out. We want to make sure that the Commission gets sufficient heads up in case the documents end up being issued or received earlier.
- 3) A review of the table in Enclosure 2 of the link to make sure it is up to date and best represents the status of each item.
- 4) A review of the information in Enclosure 3 of the link to make sure it is up to date regarding the status of rescissions, relaxations, and reliefs to Order and 50.54(f) letter requirements.
- 5) For flooding, a review of the information in Enclosure 4 to ensure that it is accurate as of June 5, 2015.

In addition to any items/changes you provide, I will reach out to you individually if we come up with any items for which we believe we need an input.

Thanks,

Lauren K. Gibson
Project Manager
Policy and Support Branch
Japan Lessons Learned Division
(301) 415-1056

- maintain
- Hardened Vents - 2 phases, P1 - wetwell, P2 - Strategy for a WW
- P1 - Fall 2016 • Oyster Creek has a Hardened Vent (GL-89-16)^{vent}
 - P2 - Fall 2018 • Extension Request Committed to Compensatory Measures
 - Modification to Isol Vlv's to ensure opening even w/ no AC/DC or normal pneumatics
 - Seismic addressed
 - Combustible Gases Addressed
 - Phase 2 info submitted, under review

Oyster Creek Relaxation of Order EA-13-109 Schedule Requirements

Document: Approval of Exelon's request for relaxation of Phase 1 schedule requirements for Oyster Creek Nuclear Generating Station associated with NRC Order EA-13-109

Date of issuance: November 13, 2015 (Tentative)

Background:

- Order EA-13-109, "Issuance of Order to Modify Licenses with Regard to Reliable Hardened Containment Vents Capable of Operation Under Severe Accident Conditions," directs operating boiling-water reactor licensees with Mark I and Mark II containment designs to install a reliable hardened containment vent system in two phases:
 - Phase 1 requires the installation of a wetwell venting capability.
 - Phase 2 requires the installation of a drywell venting capability or a strategy that makes it unlikely that venting from the drywell would be needed.
- Exelon is currently required to implement Phase 1 at Oyster Creek by startup from the fall 2016 refueling outage and Phase 2 by startup from the fall 2018 refueling outage.
- On June 2, 2014 (ADAMS Accession No. ML14153A421) Exelon requested an extension for both phases of the order until January 31, 2020. Exelon has indicated intent to cease operations at Oyster Creek at the end of 2019.
- The NRC staff has evaluated the request and expects to issue approval for relaxation of Phase 1 requirements by November 13, 2015 (ADAMS Accession No. ML15092A159).

Key Messages:

- The NRC staff has been performing the review with due diligence and appropriate prioritization. NRC staff compared the requirements of the order and the NRC-endorsed industry guidance with the plant design and the licensee's planned compensatory measures. In the initial request, Exelon did not provide sufficient information for the staff to complete this type of review.
- Oyster Creek is voluntarily installing plant modifications to provide compensatory measures during the relaxed time period that the fully-compliant Phase 1 hardened vent is not installed, including additional compressed gas capability to remotely operate the existing hardened containment vent system during an extended loss of all ac power.
- The approved schedule relaxation applies only to Phase 1 of the hardened vent order.
- The NRC staff is reviewing Exelon's request for schedule relief for Phase 2 of the order using a similar approach to that used for the Phase 1 request. The industry guidance for compliance with Phase 2 and the NRC staff's endorsement of that guidance were issued in mid-2015, subsequent to the Oyster Creek relaxation request.
- At this time, the NRC is not rescinding the order. By granting relaxation vice rescission, should Exelon change its decision to cease operations at the plant, the order requirements will remain in effect at the end of the period of relaxation. Exelon has indicated intent to request rescission of the EA-13-109 order requirements after Oyster Creek is permanently shut down.

From: Quichocho, Jessie
Sent: Monday, April 25, 2016 7:16 AM
To: Titus, Brett
Subject: RE: Oyster Creek Annual Assessment Meeting

Alright thanks. I'll give him a heads up at the 8 am meeting. I think Greg will bring it up since he will have to ask for travel funds from the LT.

Jessie

From: Titus, Brett
Sent: Friday, April 22, 2016 4:37 PM
To: Quichocho, Jessie <Jessie.Quichocho@nrc.gov>
Subject: RE: Oyster Creek Annual Assessment Meeting

I don't know of any activities near that date, but I'll have to check with Nick and Mo to find out for sure what could be going on then.

From: Quichocho, Jessie
Sent: Friday, April 22, 2016 2:52 PM
To: Titus, Brett <Brett.Titus@nrc.gov>; Lee, Brian <Brian.Lee@nrc.gov>
Subject: RE: Oyster Creek Annual Assessment Meeting

Please let me know if you are (or not) able to attend this meeting as early as possible. I suspect a drive up, overnight and return the next day type of travel. If this travel conflicts with some other higher level action you are working on to meet a deliverable date, please let me know as well.

Greg will be going to the LT on Monday to obtain approval of travel funds. I would think they would say yes.

Thanks,
Jessie

Jessie Quichocho, Chief
Containment and Balance of Plant Branch
NRR/JLD/JCBB
415-0209

From: Hughey, John
Sent: Friday, April 22, 2016 8:36 AM
To: Titus, Brett <Brett.Titus@nrc.gov>; Lee, Brian <Brian.Lee@nrc.gov>; Quichocho, Jessie <Jessie.Quichocho@nrc.gov>; Brown, Tony <Tony.Brown@nrc.gov>
Cc: Proffitt, Andrew <Andrew.Proffitt@nrc.gov>
Subject: FW: Oyster Creek Annual Assessment Meeting
Importance: High

Gents,

Please see e-mails at bottom of string. Last year, before we were concerned about travel budget, we told Region I that we would send someone to support the Oyster Creek Annual Assessment meeting. Region I

requested a JLD "hardened vent expert" to field any questions about the Phase 1 relaxation that was granted last November.

Last night I received the e-mail below letting me know that the Oyster Creek annual assessment meeting will be held on May 26th and they are asking for a JLD representative to attend and field questions from the public and stakeholders regarding the hardened vent relaxation. Of course, today is the last day to make travel plans in ETS2. I was thinking the logical choice is Brett or Brian. Not that I'm an expert in anything, but I can't go because I'll be in Nebraska on the Cooper audit that week.

So, the question is, can we send someone or do we need to tell Region I that the travel budget crisis precludes us from supporting the meeting? If we don't send someone, then I would imagine they would want us to provide a briefing paper with Q/As.

Sorry to plop this on you on a Friday,
Hughey

John Hughey

Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

From: Kennedy, Silas
Sent: Thursday, April 21, 2016 5:39 PM
To: Hughey, John <John.Hughey@nrc.gov>
Cc: Patel, Amar <Amar.Patel@nrc.gov>; Lamb, John <John.Lamb@nrc.gov>; Shaffer, Steve <Steve.Shaffer@nrc.gov>
Subject: Oyster Creek Annual Assessment Meeting

John,

The Oyster Creek Annual Assessment Public Meeting is scheduled for May 26, 2016. Please let me know if you are able to provide someone to support this.

Thanks,

Silas

From: Patel, Amar
Sent: Tuesday, December 01, 2015 3:33 PM
To: Lamb, John <John.Lamb@nrc.gov>; Hughey, John <John.Hughey@nrc.gov>
Cc: Broaddus, Doug <Doug.Broaddus@nrc.gov>; Andrews, Elizabeth <Elizabeth.Andrews@nrc.gov>; Wilson, George <George.Wilson@nrc.gov>; Kennedy, Silas <Silas.Kennedy@nrc.gov>; Shaffer, Steve <Steve.Shaffer@nrc.gov>
Subject: RE: FYI - News - Oyster Creek

Thank you all for your support and we will let John know when we schedule the meeting.

Thanks

Amar Patel
OC SRI

From: Lamb, John
Sent: Tuesday, December 01, 2015 3:10 PM
To: Hughey, John <John.Hughey@nrc.gov>
Cc: Broaddus, Doug <Doug.Broaddus@nrc.gov>; Patel, Amar <Amar.Patel@nrc.gov>; Andrews, Elizabeth <Elizabeth.Andrews@nrc.gov>; Wilson, George <George.Wilson@nrc.gov>
Subject: RE: FYI - News - Oyster Creek

Will do.

From: Hughey, John
Sent: Tuesday, December 01, 2015 3:09 PM
To: Lamb, John <John.Lamb@nrc.gov>
Cc: Broaddus, Doug <Doug.Broaddus@nrc.gov>; Patel, Amar <Amar.Patel@nrc.gov>; Andrews, Elizabeth <Elizabeth.Andrews@nrc.gov>; Wilson, George <George.Wilson@nrc.gov>
Subject: RE: FYI - News - Oyster Creek

John,

Please let me know when the Oyster Creek annual assessment meeting is scheduled and we will make sure the right people from HQ-JLD are there.

Thanks,
Hughey

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

From: Lamb, John
Sent: Monday, November 30, 2015 11:24 AM
To: Hughey, John <John.Hughey@nrc.gov>
Cc: Broaddus, Doug <Doug.Broaddus@nrc.gov>; Patel, Amar <Amar.Patel@nrc.gov>; Andrews, Elizabeth <Elizabeth.Andrews@nrc.gov>; Wilson, George <George.Wilson@nrc.gov>
Subject: FW: FYI - News - Oyster Creek
Importance: High

John,

Region I is requesting that a JLD Hardened Vent expert attend the Oyster Creek Annual Assessment Meeting this year (typically in April or May) since this will be a topic of great interest to the stakeholders.

Thanks.
John

From: Patel, Amar
Sent: Monday, November 30, 2015 11:18 AM
To: Lamb, John <John.Lamb@nrc.gov>
Subject: RE: FYI - News - Oyster Creek

I hope an NRC expert comes up from HQ to talk about this during the annual assessment meeting

From: Lamb, John

Sent: Monday, November 30, 2015 11:17 AM

To: Broaddus, Doug <Doug.Broaddus@nrc.gov>

Cc: Patel, Amar <Amar.Patel@nrc.gov>; Andrews, Elizabeth <Elizabeth.Andrews@nrc.gov>; Hughey, John <John.Hughey@nrc.gov>

Subject: FYI - News - Oyster Creek

NRC Criticized For Granting Requirement Exception To Oyster Creek Plant. The Asbury Park (NJ) Press (11/25, Oglesby, 324K) reported that anti-nuclear power group Beyond Nuclear "says public health is at risk due to Oyster Creek Generating Station's recent exclusion from rules that require similar nuclear facilities to install new vents that would prevent explosions." The new vents "were ordered in 2013" in the wake of the Fukushima disaster to "help prevent an explosion from the buildup of pressure and hydrogen gas in the rare case of a meltdown." But Exelon "received an exemption" in a November letter from the NRC. Plant's had "until fall 2016 to install the first phase of the new venting system and until fall 2018 to install the second phase." But under the NRC's exemption, Exelon "will not have to add the first phase vents." Beyond Nuclear "criticized the commission's exemption and described it as a 'pass to avoid an essential safety retrofit that the federal agency itself had ordered.'"

From: Bowen, Jeremy
Sent: Friday, November 06, 2015 11:57 AM
To: Titus, Brett
Cc: Halter, Mandy
Subject: RE: One-Pager on Oyster Creek.

Thanks. Great work – looks really good!

I made just a few tweaks to some of the language (redline/strikeout attached). I'll send the final version to Jessie and copy you both.

Thanks,
Jeremy

From: Titus, Brett
Sent: Friday, November 06, 2015 11:26 AM
To: Bowen, Jeremy <Jeremy.Bowen@nrc.gov>
Cc: Halter, Mandy <Mandy.Halter@nrc.gov>
Subject: One-Pager on Oyster Creek.

Jeremy,

We worked hard to get all the information onto a true one-pager.

Please see the attached file and provide comments/feedback as you see fit.

Thanks,
Brett

From: Bowen, Jeremy
Sent: Tuesday, December 01, 2015 2:40 PM
To: Titus, Brett
Subject: RE: FYI - News - Oyster Creek

No training needed. We'll see if the request still stands in the spring.

From: Titus, Brett
Sent: Tuesday, December 01, 2015 1:15 PM
To: Bowen, Jeremy <Jeremy.Bowen@nrc.gov>
Subject: RE: FYI - News - Oyster Creek

If the need is still there in 5 months (or whatever), then, yeah, I can be available.

In all seriousness, do I need any training or anything to do this? Clearly, I've participated as the main NRC representative in several public meetings (mostly on vents), but this would appear to have a different level of publicity.

From: Bowen, Jeremy
Sent: Tuesday, December 01, 2015 12:55 PM
To: Titus, Brett <Brett.Titus@nrc.gov>
Subject: FW: FYI - News - Oyster Creek
Importance: High

I realize this is pretty far out, but would you tentatively be willing/able to support this?

From: Hughey, John
Sent: Tuesday, December 01, 2015 8:03 AM
To: Lamb, John <John.Lamb@nrc.gov>
Cc: Broaddus, Doug <Doug.Broaddus@nrc.gov>; Patel, Amar <Amar.Patel@nrc.gov>; Andrews, Elizabeth <Elizabeth.Andrews@nrc.gov>; Wilson, George <George.Wilson@nrc.gov>; Halter, Mandy <Mandy.Halter@nrc.gov>; Titus, Brett <Brett.Titus@nrc.gov>; Lee, Brian <Brian.Lee@nrc.gov>; Bowen, Jeremy <Jeremy.Bowen@nrc.gov>
Subject: RE: FYI - News - Oyster Creek
Importance: High

Thanks, John. I will pass the request on to JLD management.

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: Q13-H08
e-mail: john.hughey@nrc.gov

From: Lamb, John
Sent: Monday, November 30, 2015 11:24 AM
To: Hughey, John <John.Hughey@nrc.gov>

Cc: Broaddus, Doug <Doug.Broaddus@nrc.gov>; Patel, Amar <Amar.Patel@nrc.gov>; Andrews, Elizabeth <Elizabeth.Andrews@nrc.gov>; Wilson, George <George.Wilson@nrc.gov>

Subject: FW: FYI - News - Oyster Creek

Importance: High

John,

Region I is requesting that a JLD Hardened Vent expert attend the Oyster Creek Annual Assessment Meeting this year (typically in April or May) since this will be a topic of great interest to the stakeholders.

Thanks.

John

From: Patel, Amar

Sent: Monday, November 30, 2015 11:18 AM

To: Lamb, John <John.Lamb@nrc.gov>

Subject: RE: FYI - News - Oyster Creek

I hope an NRC expert comes up from HQ to talk about this during the annual assessment meeting

From: Lamb, John

Sent: Monday, November 30, 2015 11:17 AM

To: Broaddus, Doug <Doug.Broaddus@nrc.gov>

Cc: Patel, Amar <Amar.Patel@nrc.gov>; Andrews, Elizabeth <Elizabeth.Andrews@nrc.gov>; Hughey, John <John.Hughey@nrc.gov>

Subject: FYI - News - Oyster Creek

NRC Criticized For Granting Requirement Exception To Oyster Creek Plant. The Asbury Park (NJ) Press (11/25, Oglesby, 324K) reported that anti-nuclear power group Beyond Nuclear "says public health is at risk due to Oyster Creek Generating Station's recent exclusion from rules that require similar nuclear facilities to install new vents that would prevent explosions." The new vents "were ordered in 2013" in the wake of the Fukushima disaster to "help prevent an explosion from the buildup of pressure and hydrogen gas in the rare case of a meltdown." But Exelon "received an exemption" in a November letter from the NRC. Plant's had "until fall 2016 to install the first phase of the new venting system and until fall 2018 to install the second phase." But under the NRC's exemption, Exelon "will not have to add the first phase vents." Beyond Nuclear "criticized the commission's exemption and described it as a 'pass to avoid an essential safety retrofit that the federal agency itself had ordered.'"

From: Hughey, John
Sent: Tuesday, October 28, 2014 1:46 PM
To: Cho, Esther
Cc: Norton, Charles; Titus, Brett; Roque-Cruz, Carla; Bowen, Jeremy
Subject: RE: Call from Paul Gunter (Beyond Nuclear)

Hi Esther,

I have sent the request to have the subject document re-profiled in ADAMS as publicly available. Please send a pdf copy to Mr. Gunter once the profile has been changed in ADAMS.

Thanks,
John

(b)(6)

From: Cho, Esther
Sent: Tuesday, October 28, 2014 9:47 AM
To: Hughey, John
Subject: Call from Paul Gunter (Beyond Nuclear)

Good Morning Mr. John Hughey,

Hope you are having a great trip! I just wanted to let you know that I received a call from Mr. Paul Gunter from Beyond Nuclear. He is looking for a response letter provided by Exelon to a RAI, dated September 26, 2014. I was able to find this letter in ADAMS (Accession No. ML14272A323). Currently, it is Non-Publicly Available. Mr. Gunter was wondering whether we could make this Publicly Available for him to view. I can process the document to make it available, but I just wanted your confirmation to do so and make sure that it does not contain any sensitive information. Please let me know. Thank you!

Sincerely,
Esther Cho

Administrative Assistant
U.S. Nuclear Regulatory Commission
NRR/JLD, Location: O-13H18
Main: 301-415-2239 Direct: 301-415-0618
Esther.Cho@nrc.gov

From: Gibson, Lauren
Sent: Thursday, November 19, 2015 1:38 PM
To: Quinones-Navarro, Joylynn; Hughey, John
Cc: Titus, Brett; Bowman, Gregory
Subject: Question from OEDO on biweekly

Good afternoon,

OEDO would like to know if there is anything more that we can say about the ongoing Phase 2 review for Oyster Creek. Do we have an estimated completion date? Have we issued RAIs? Are we waiting for the licensee? Things like that...

Thanks,
Lauren

From: Titus, Brett
Sent: Wednesday, February 03, 2016 3:22 PM
To: Hughey, John
Subject: RE: RE: Oyster Creek Phase II Vent Order Relaxation Request

Great. Thanks.

From: Hughey, John
Sent: Wednesday, February 03, 2016 3:21 PM
To: Titus, Brett <Brett.Titus@nrc.gov>
Subject: FW: RE: Oyster Creek Phase II Vent Order Relaxation Request
Importance: High

Brett,

(b)(6) Per [redacted] note below – Exelon expects to submit the Oyster Creek Phase 2 Vent order Relaxation request by 2/15/16.

Thanks,
John

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

(b)(6) **From:** [redacted]
Sent: Wednesday, February 03, 2016 3:19 PM
To: Hughey, John <John.Hughey@nrc.gov>
Subject: [External_Sender] RE: Oyster Creek Phase II Vent Order Relaxation Request

John – We are still targeting the submittal by 2/15/16.

Thanks.

(b)(6) [redacted]

From: Hughey, John [<mailto:John.Hughey@nrc.gov>]
Sent: Wednesday, February 03, 2016 3:15 PM

(b)(6) **To:** [redacted]
Subject: [EXTERNAL] Oyster Creek Phase II Vent Order Relaxation Request

(b)(6) Hi, [redacted]

When do you expect the Oyster Creek Phase 2 vent Order submittal to be issued?

Thanks,

John

John Hughey

Mitigation Strategies & SFP Instrumentation

Project Manager, NRR/JLD/JOMB

US Nuclear Regulatory Commission

Phone: (301) 415-3204

Office: O13-H08

e-mail: john.hughey@nrc.gov

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From: Hughey, John
Sent: Friday, August 08, 2014 6:40 PM
To: Titus, Brett
Subject: RE: RAIs for Oyster Creek Extension Request.

No worries, man. Your stuff was so clear and well written that it's just a quick and simple cut and paste job to one of my old templates.

From: Titus, Brett
Sent: Friday, August 08, 2014 3:32 PM
To: Hughey, John
Subject: RE: RAIs for Oyster Creek Extension Request.

Thanks, John. Everything looks good to me. Thanks for all the clarifications and formatting improvements. If I would've known more about the standards, I could've given you a better starting point. Sorry about that.

From: Hughey, John
Sent: Friday, August 08, 2014 12:21 PM
To: Titus, Brett
Subject: RE: RAIs for Oyster Creek Extension Request.

Hi Brett,

I have drafted the RAI letter and enclosure and it has been added to ADAMS under ML14220A027. I have incorporated all of the changes you provided and I also made just a few non-substantive edits and checked all the quotes. I did make a lot of format changes to follow standard quote notation, define acronyms, and number the RAIs to keep us on the same page with the licensee's responses. So, please take a look at the ADAMS file and let me know if I need to make any other changes.

The plan is to pass the package on to Susan Lent for the LA review on Monday and then start the concurrence routing when she's done.

Thanks,
John

From: Titus, Brett
Sent: Thursday, August 07, 2014 3:50 PM
To: Hughey, John
Cc: Bettie, Jerome; Bailey, Stewart
Subject: RAIs for Oyster Creek Extension Request.

John,

Please see the attached document. I have incorporated comments from both of the individuals on Cc.

If there's another way to format the document or if you have other suggestions/questions, feel free to rearrange the items accordingly.

Thanks,

Brett Titus
NRR/DSS/SCVB
Office O-10F04
Mail Stop O-10A01
301-415-3075

From: Hughey, John
Sent: Tuesday, October 28, 2014 5:05 PM
To: Titus, Brett
Cc: Bailey, Stewart; Roque-Cruz, Carla; Norton, Charles
Subject: RE: Oyster Creek Relaxation call tomorrow.

Since the issue is their response to the RAIs I was expecting you and Stew to guide the discussion similar to our meeting with Jack Davis. I will do the kick off and intros etc..

From: Titus, Brett
Sent: Tuesday, October 28, 2014 4:01 PM
To: Hughey, John
Subject: RE: Oyster Creek Relaxation call tomorrow.

Ok. Will you also be doing the logistics and running the call...or, if not, do you know who is running the show for this? I'm trying to figure out what's needed from me (if anything) and for whom.

From: Hughey, John
Sent: Tuesday, October 28, 2014 4:00 PM
To: Titus, Brett
Subject: RE: Oyster Creek Relaxation call tomorrow.

Yes, I will be calling in on the bridge line.

From: Titus, Brett
Sent: Tuesday, October 28, 2014 3:59 PM
To: Hughey, John
Subject: Oyster Creek Relaxation call tomorrow.

Will you be dialing in from Limerick on this, John?

From: Lamb, John
Sent: Wednesday, July 23, 2014 4:28 PM
To: Titus, Brett; Hughey, John
Subject: RE: Oyster Creek FSAR.

MF4487, OYSTER CREEK - Hope Creek Hardened Vent Order - Extension Request

The licensee is mailing the latest FSAR on CD. As soon as I get it, O will pass it on.

From: Titus, Brett
Sent: Wednesday, July 23, 2014 3:36 PM
To: Hughey, John; Lamb, John
Subject: RE: Oyster Creek FSAR.

Also, did we ever get a TAC for this request?

From: Hughey, John
Sent: Wednesday, July 16, 2014 9:31 AM
To: Titus, Brett; Lamb, John
Subject: RE: Oyster Creek FSAR.

I will defer to Lambo

Hughey

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

From: Titus, Brett
Sent: Wednesday, July 16, 2014 9:23 AM
To: Hughey, John; Lamb, John
Subject: Oyster Creek FSAR.

Gentlemen,

I'm currently putting together my RAIs for the Oyster Creek extension proposal associated with the Hardened Vent Order. Can either of you help me confirm that the version of the FSAR that we have on our common NRC drive is the latest and most appropriate to use? This is the version to which I am currently working...

<\\nrc.gov\NRC\HQ\Apps\APPS\CDIMAGES\FSAR\Oyster Creek>

Thanks,

Brett Titus

NRR/DSS/SCVB
Office O-10F04
Mail Stop O-10A01
301-415-3075

From: Hughey, John
Sent: Friday, May 13, 2016 11:15 AM
To: Lee, Brian
Subject: FW: Oyster Creek Commitment Revision

Brian - FYI

John Hughey

Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov

From: Bowman, Eric
Sent: Thursday, May 12, 2016 9:22 AM
To: Hughey, John <John.Hughey@nrc.gov>
Subject: Oyster Creek Commitment Revision

FYI.

R/E

[View ADAMS P8 Properties ML16132A220](#)
[Open ADAMS P8 Document \(E160511t105420\)](#)

Eric E. Bowman
Special Advisor
Japan Lessons-Learned Division
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
301-415-2963
Eric.Bowman@nrc.gov

From: Lee, Brian
Sent: Monday, January 04, 2016 3:21 PM
To: Auluck, Rajender
Subject: FW: Oyster Creek Phase 2 Notification
Attachments: Phase 2 Notification.pdf

FYI

From: Hughey, John
Sent: Monday, January 04, 2016 3:16 PM
To: Lee, Brian <Brian.Lee@nrc.gov>
Subject: Oyster Creek Phase 2 Notification

Please see attached as discussed.

John Hughey
Mitigation Strategies & SFP Instrumentation
Project Manager, NRR/JLD/JOMB
US Nuclear Regulatory Commission
Phone: (301) 415-3204
Office: O13-H08
e-mail: john.hughey@nrc.gov