

**From:** Eric Duncan *27*  
**To:** Geoffrey Grant; James Caldwell; Jared Heck  
**Date:** 03/19/2007 2:14:06 PM  
**Subject:** Fwd: DB Ltr fm NEIL on Their Safety Concerns on PWR Rx Vessel Heads - CR on Subject

See attached as discussed.

*F-21*

**Mail Envelope Properties** (45FEE0FE.FA6 : 4 : 3672)

**Subject:** Fwd: DB Ltr fm NEIL on Their Safety Concerns on PWR Rx Vessel  
**Heads - CR on Subject**  
**Creation Date** 03/19/2007 2:14:06 PM  
**From:** Eric Duncan  
**Created By:** ERD@nrc.gov

Recipients	Action	Date & Time
nrc.gov		
ch_po.CH_DO	Delivered	03/19/2007 2:14:06
PM		
GEG (Geoffrey Grant)	Opened	03/19/2007 4:14:49
PM		
	Deleted	03/21/2007 2:56:27
PM		
	Emptied	04/21/2007 1:09:09
AM		
JLC1 (James Caldwell)	Opened	03/20/2007 1:08:50
PM		
nrc.gov		
OWGWPO04.HQGWD001	Delivered	03/19/2007 2:14:17
PM		
JKH3 (Jared Heck)	Opened	03/19/2007 4:09:23
PM		

Post Office	Delivered	Route
ch_po.CH_DO	03/19/2007 2:14:06 PM	nrc.gov
OWGWPO04.HQGWD001	03/19/2007 2:14:17 PM	nrc.gov

Files	Size	Date & Time
MESSAGE	333	03/19/2007 2:14:06 PM
Mail		

**Options**

<b>Auto Delete:</b>	No
<b>Expiration Date:</b>	None
<b>Notify Recipients:</b>	Yes
<b>Priority:</b>	Standard
<b>ReplyRequested:</b>	No
<b>Return Notification:</b>	None

**Concealed Subject:**  
**Security:**

No  
Standard

**To Be Delivered:**  
**Status Tracking:**

Immediate  
All Information

**From:** "JER7@NRC.GOV" <jer7@nrc.gov>  
**To:** "ERD@NRC.GOV" <erd@nrc.gov>  
**Date:** 02/23/2007 3:47:20 PM  
**Subject:** DB Ltr fm NEIL on Their Safety Concerns on PWR Rx Vessel Heads - CR on Subject

**CC:** "GCW@NRC.GOV" <gcw@nrc.gov>, "RLS4@NRC.GOV" <rls4@nrc.gov>,  
"JER7@NRC.GOV" <jer7@nrc.gov>

**CONDITION REPORT**CR Number  
07-15077

TITLE: NEIL LETTER IDENTIFIES POTENTIAL CONCERN

O R I G I N A T I O N	DISCOVERY DATE	TIME	EVENT DATE	TIME	SYSTEM / ASSET#		
	2/23/2007	N/A	2/23/2007	N/A	N/A N/A		
	EQUIPMENT DESCRIPTION N/A						
	DESCRIPTION OF CONDITION and PROBABLE CAUSE (if known) Summarize any attachments. Identify what, when, where, why, how. On February 23, 2007, FENOC received, via letter from NEIL, a potential safety concern that arose out of the filings made by FENOC in the arbitration with Nuclear Electric Insurance Limited (NEIL) on the Davis-Besse Reactor Pressure Vessel Head claim. As stated in the letter, "In particular, [in a report submitted to NEIL, the] apparent position [of the report's preparer] is that susceptible materials can have crack growth rates that are significantly higher than previously assumed and small through wall cracks can lead to high rates of erosion and corrosion. Material susceptibility and crack growth rates are one of the bases for the NRC's requirements for monitoring reactor coolant system unidentified leak rates during power operation, visual (bare metal) inspections of reactor pressure vessel heads during refueling outages, and periodic volumetric examination of penetrations. If the theories in the [report] are correct, it could require reevaluation of the adequacy of these NRC requirements and the licensee programs implementing them to ensure that excessive degradation of a reactor pressure vessel head or other components could not occur in less than one operating cycle."						
	IMMEDIATE ACTIONS TAKEN / SUPV COMMENTS (Discuss CORRECTIVE ACTIONS completed, basis for closure.) This CR was initiated as a result of receipt of the above letter and to evaluate this potential safety concern.  This condition does not describe any degraded condition or nonconforming condition for any systems, structures, or components. Recommend a category of "CF" to have Design Engineering evaluate the concern as identified in the subject letter. A new condition report will be written if the evaluation determines a degraded or nonconforming condition exists.						
QUALITY ORGANIZATION USE ONLY		IDENTIFIED BY (Check one)		ATTACHMENTS			
Quality Org. Initiated <input type="checkbox"/> Yes		<input type="checkbox"/> Individual/Work Group		<input type="checkbox"/> Self-Revealed			
Quality Org. Follow-up <input type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Supervision/Management		<input type="checkbox"/> Internal Oversight			
				<input type="checkbox"/> External Oversight			
ORIGINATOR		ORGANIZATION	DATE	SUPERVISOR	DATE	PHONE EXT.	
WOLF, G		DBRC	2/23/2007	WUOKKO, D	2/23/2007	7120	
P L A N T  O P E R A T I O N S	SRO REVIEW	EQUIPMENT OPERABLE	OPERABILITY ASSESSMENT REQUIRED	ORG. NOTIFIED	IMMEDIATE INVESTIGATION REQUIRED	ORG. NOTIFIED	MODE CHANGE RESTRAINT
	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No
	MODE	ASSOCIATED TECH SPEC NUMBER(S)	ASSOCIATED LCO ACTION STATEMENT(S)				
	N/A	N/A	#1 N/A				
			#2				
			#3				
	DECLARED INOPERABLE (Date / Time)	REPORTABLE?	One Hour		APPLICABLE UNIT(S)		
		<input type="checkbox"/> Yes <input type="checkbox"/> No	Four Hour		<input checked="" type="checkbox"/> U1 <input type="checkbox"/> U2 <input type="checkbox"/> Both		
		<input type="checkbox"/> Eval Required	Eight Hour				
			Other				
COMMENTS							
Current Mode - Unit 1		Power Level - Unit 1	Current Mode - Unit 2		Power Level - Unit 2		
			N/A		N/A		
SRO - UNIT 1		SRO - UNIT 2		DATE			
		N/A					