

Power Reactor

Event # 48824

<b>Site:</b> LIMERICK		<b>Notification Date / Time:</b> 03/15/2013 17:23 (EDT)	
<b>Unit:</b> 1 2	<b>Region:</b> 1	<b>State :</b> PA	<b>Event Date / Time:</b> 02/21/2013 10:12 (EDT)
<b>Reactor Type:</b> [1] GE-4,[2] GE-4		<b>Last Modification:</b> 03/15/2013	
<b>Containment Type:</b> MARK II MARK II			
<b>NRC Notified by:</b> MARK ARNOSKY		<b>Notifications:</b> GLENN DENTEL R1DO	
<b>HQ Ops Officer:</b> DONG HWA PARK		PART 21 RX GROUP EMAIL	
<b>Emergency Class:</b> NON EMERGENCY			
<b>10 CFR Section:</b>			
21.21(d)(3)(i)		DEFECTS AND NONCOMPLIANCE	

  

Unit	Scram Code	RX Crit	Init Power	Initial RX Mode	Curr Power	Current RX Mode
1	N	Yes	100	Power Operation	100	Power Operation
2	N	Yes	100	Power Operation	100	Power Operation

**PART 21 REPORT - INITIAL NOTIFICATION FOR FLOWSERVE MODEL 28KXL PUMP IMPELLER DEFECT**

"This Part 21 initial notification addresses a pump impeller defect that resulted in a post maintenance test (PMT) failure. The OC RHR Service Water Pump was being replaced due to degraded performance which caused an In-Service Test (IST) failure. The replacement pump impeller received from the supplier had not been machined to the purchase order specifications. The IST of the new pump could not be completed since the required test conditions could not be established. The pump was later replaced and the IST was completed successfully. The pump was declared operable on March 2, 2013.

"This Part 21 Initial Notification is being submitted pursuant to the requirements of 10CFR21.21 (d)(3)(i)."

The licensee has notified the NRC Resident Inspector.

\*\*\*\*\*

*TEIG*  
*MRR*

Doug Park

REACTOR PLANT  
EVENT NOTIFICATION WORKSHEET

EN # 48824

NRC OPERATION TELEPHONE NUMBER: PRIMARY - 301-816-5100 or 800-532-3469\*, BACKUPS - [1st] 301-951-0550 or 800-449-3694\*, [2nd] 301-415-0550 and [3rd] 301-415-0553  
\*Licensees who maintain their own ETS are provided these telephone numbers.

NOTIFICATION TIME 1723 EDT4884	FACILITY OR ORGANIZATION Limerick	UNIT 1 & 2	NAME OF CALLER Mark Amosky	CALL BACK # 660-718-2125
EVENT TIME & ZONE 1012	EVENT DATE 02/21/2013	POWER/MODE BEFORE 100%/1	POWER/MODE AFTER 100%/1	

<b>EVENT CLASSIFICATIONS</b>		<b>1-Hr. Non-Emergency 10 CFR 50.72(b)(1)</b>		<input type="checkbox"/>	(v)(A) Safe S/D Capability	AINA
<input type="checkbox"/> GENERAL EMERGENCY	GEN/AAEC	<input type="checkbox"/> TS Deviation	ADEV	<input type="checkbox"/>	(v)(B) RHR Capability	AINB
<input type="checkbox"/> SITE AREA EMERGENCY	SIT/AAEC	<b>4-Hr. Non-Emergency 10 CFR 50.72(b)(2)</b>		<input type="checkbox"/>	(v)(C) Control of Rad Release	AINC
<input type="checkbox"/> ALERT	ALE/AAEC	<input type="checkbox"/> (i) TS Required S/D	ASHU	<input type="checkbox"/>	(v)(D) Accident Mitigation	AIND
<input type="checkbox"/> UNUSUAL EVENT	UNU/AAEC	<input type="checkbox"/> (iv)(A) ECCS Discharge to RCS	ACCS	<input type="checkbox"/>	(xii) Offsite Medical	AMED
<input type="checkbox"/> 50.72 NON-EMERGENCY (see next columns)		<input type="checkbox"/> (iv)(B) RPS Actuation (scram)	ARPS	<input type="checkbox"/>	(xiii) Loss Comm/Asmt/Resp	ACOM
<input type="checkbox"/> PHYSICAL SECURITY (73.71)	DDDD	<input type="checkbox"/> (xi) Offsite Notification	APRE	<b>60-Day Optional 10 CFR 50.73(a)(1)</b>		
<input type="checkbox"/> MATERIAL/EXPOSURE	B???	<b>8-Hr. Non-Emergency 10 CFR 50.72(b)(3)</b>		<input type="checkbox"/>	Invalid Specified System Actuation	AINV
<input type="checkbox"/> FITNESS FOR DUTY	HFIT	<input type="checkbox"/> (i)(A) Degraded Condition	ADEG	<b>Other Unspecified Requirement (Identify)</b>		
<input type="checkbox"/> OTHER UNSPECIFIED REQMT. (see last column)		<input type="checkbox"/> (i)(B) Unanalyzed Condition	AUNA	<input checked="" type="checkbox"/>	10CFR21.21(d)(3)(i)	NONR
<input type="checkbox"/> INFORMATION ONLY	NINF	<input type="checkbox"/> (iv)(A) Specified System Actuation	AESF	<input type="checkbox"/>		NONR

**DESCRIPTION**

Include: Systems affected, actuations and their initiating signals, causes, effect of event on plant, actions taken or planned, etc. (Continue on back)

**Part 21 Initial Notification for Flowserve Model 28KXL Pump Impeller Defect**

This Part 21 initial notification addresses a pump impeller defect that resulted in a post maintenance test (PMT) failure. The OC RHR Service Water Pump was being replaced due to degraded performance which caused an In-Service Test (IST) failure. The replacement pump impeller received from the supplier had not been machined to the purchase order specifications. The IST of the new pump could not be completed since the required test conditions could not be established. The pump was later replaced and the IST was completed successfully. The pump was declared operable on March 2, 2013.

This Part 21 Initial Notification is being submitted pursuant to the requirements of 10CFR21.21(d)(3)(i).

<b>NOTIFICATIONS</b>	<b>YES</b>	<b>NO</b>	<b>WILL BE</b>	<b>ANYTHING UNUSUAL OR NOT UNDERSTOOD?</b>	<input type="checkbox"/> YES (Explain above)	<input checked="" type="checkbox"/> NO
NRC RESIDENT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
STATE(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>DID ALL SYSTEMS FUNCTION AS REQUIRED?</b>	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO (Explain above)
LOCAL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
OTHER GOV AGENCIES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	MODE OF OPERATION UNTIL CORRECTED	100%	ESTIMATED RESTART DATE (MM/DD/YYYY)
MEDIA/PRESS RELEASE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			N/A
						ADDITIONAL INFO ON BACK
						<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO