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JUL 1 6 2014

U. S. Nuclear Regulatory Commission Attention: Document Control Desk Washington, DC 20555

Serial No.	14-331
MPS Lic/LES	R0
Docket No.	50-336
License No.	DPR-65

DOMINION NUCLEAR CONNECTICUT, INC. MILLSTONE POWER STATION UNIT 2 LICENSEE EVENT REPORT 2014-005-00 TRAIN A CONTAINMENT SPRAY INOPERABLE DUE TO GAS VOIDS

This letter forwards Licensee Event Report (LER) 2014-005-00 documenting a condition discovered at Millstone Power Station Unit 2 on May 17, 2014. This LER is being submitted pursuant to 10 CFR 50.73(a)(2)(i)(B) as any operation or condition which was prohibited by the plant's technical specifications.

If you have any questions or require additional information, please contact Mr. William D. Bartron at (860) 444-4301.

Sincerely,

Matt Adams Plant Manager – Millstone

Attachments: 1

Commitments made in this letter: None



Serial No. 14-331 Docket No. 50-336 Licensee Event Report 2014-005-00 Page 2 of 2

cc: U.S. Nuclear Regulatory Commission Region I 2100 Renaissance Blvd, Suite 100 King of Prussia, PA 19406-2713

> M. C Thadani Sr. Project Manager - Millstone Power Station U.S. Nuclear Regulatory Commission One White Flint North 11555 Rockville Pike Mail Stop 08 B1 Rockville, MD 20852-2738

NRC Senior Resident Inspector Millstone Power Station

Serial No. 14-331 Docket No. 50-336 Licensee Event Report 2014-005-00

ATTACHMENT

LICENSEE EVENT REPORT 2014-005-00 TRAIN A CONTAINMENT SPRAY INOPERABLE DUE TO GAS VOIDS

MILLSTONE POWER STATION UNIT 2 DOMINION NUCLEAR CONNECTICUT, INC.

NRC FORM 366 U.S. NUCLEAR REGULATORY COMMISSION						APPROVED BY OMB: NO. 3150-0104 EXPIRES: 01/31/2017												
(02-2014) LICENSEE EVENT REPORT (LER) (See Page 2 for required number of digits/characters for each block)							Estimated burden per response to comply with this mandatory collection request: 80 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the FOIA, Privacy and Information Collections Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0104), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.											
1. FACILITY	NAME							2. DC	CF	KET NUMBER		3. PA	GE					
Millstone	e Power	Station -	- Unit	2						05000336			1 OF 3					
4. TITLE																		
Train "A" Containment Spray Inoperable Due to Gas Voids																		
5. EVEN	T DATE	6. LE		IBER	7.	REPORT	DATE		8. OTHER FACILITIES INVOLVED									
MONTH DA	Y YEAR	YEAR	SEQUEN NUMBE	TIAL REV ER NO.	MONTH	DAY	YE	AR	FAG	CILITY NAME				DOCKET NUMBER				
05 17	7 2014	2014 -	005	5 - 00	07	16	20)14	FAC	CILITY NAME				DOCK	DOCKET NUMBER 05000			
9. OPERATI	NG MODE	11. 1	THIS RI	EPORT IS S	SUBMITT	ED PURS	UANI	т то т	ΉE		rs of 1	0 CFR	§: (Check	c all ti	hat a	oply)		
		20.:	2201(b)			20.2203(a	n)(3)(i)			50.73(a)(2	:)(i)(C)		50.7	3(a)(2	2)(vii)			
3		20.:	2201(d)	1		20.2203(a	n)(3)(ii)		50.73(a)(2)(ii)(A)		50.7	3(a)(2	2)(viii)(A)		
J		20.2	2203(a)	(1)		20.2203(a)(4)				50.73(a)(2)(ii)(B)		50.7	3(a)(2	2)(viii)(B)		
		20.:	2203(a)	(2)(i)		50.36(c)(1)(i)(A)			50.73(a)(2		50.7	3(a)(2	2)(ix)(A)				
10. POWER LEVEL 20.2203(a)(2)(ii) 50.36(c)(7)				l)(ii)(A	.)	50.73(a)(2)(iv)(A)				50.73(a)(2)(x)								
20.2203(a)(2)(iii)				50.36(c)(2)				50.73(a)(2		73.71(a)(4)								
20.2203(a)(2)(iv)				50.46(a)(3)(ii)				50.73(a)(2		73.71(a)(5)								
000 20.2203(a)(2)(v)				50.73(a)(2)(i)(A)				50.73(a)(2										
20.2203(a)(2)(vi) S0.73(a)(2)(2)(i)(B)	50.73(a)(2)(v)(D) Specify in Abstract belo NRC Form 366A						elow or in					
	ACT				12. LICE	NSEE CO	VTAC	t fof	λ ΤΙ	HIS LER) /Incl	do Arc	a Cadal		
William	D. Bartro	on, Supei	rvisor	Nuclear	· Statio	n Licen	sing					860)-444-43	301		a 000e)		
		13. COM	PLETE	ONE LINE	FOR EA	СН СОМР	ONE	IT FA	ILU	RE DESCRIBED	IN THI	S REP	ORT					
CAUSE	SYSTEM	СОМРО	ONENT	MANU- FACTURE	R T	ORTABLE		CAUSE	:	SYSTEM	COMPO	MPONENT MAN FACTU		REPORTABL		PORTABLE		
14. SUPPLEN	IENTAL R	PORT EXP	PECTE)			<u> </u>			15. EXF	ECTED)	MONTH	DA	Y	YEAR		
YES (If	yes, comp	ete 15. EXP	PECTEL	SUBMISS	ION DAT	E) 🛛	NO			508	ATE	N						
ABSTRACT (Li	mit to 1400 s	paces, i.e., ap	oproxima	tely 15 single	e-spaced ty	/pewritten li	nes)											
for Opera inoperab 17, 2014 However into MOE restored pressuriz system w removed This cond specifica CS syste the surve	ation (LCC le contair , the date , the gas DE 3 grea to OPER er presso vas requin by ventir by ventir dition is b tions in a m and de illance te	D) of plant iment spra of discov was introd ter than 1 ABLE stat ire to less ed to be 0 ing and the eing repo ccordance stays in co sting earli	t Tech ay pur very, fo duced 750 p tus wit s than OPER e syste rted a e with ommun ier in a	nical Spe np. The ollowing c earlier dr sia on Ma hin 72 ho 1750 psia ABLE for m was re s any ope 10 CFR { nicating th a refuelin	ecificatio 'A' cont completi uring th ay 13, 2 burs or l a within 70.5 ho estored eration of 50.73 (a ne surve g outag	on (TS) : ainment ion of su e refueli 014, at be in at I the follo ours prio to OPEF or condit a)(2)(i)(B eillance e. Corre	3.6.2 spra rveill ng or 1933 east wing r to o RABL ion w). Th resul ective	.1 'Ca ance utage . TS HOT 6 hc comp E sta which ne co ts, co e acti	ont S) e te e al 3.6 Source atu ond om	tainment Spra pump was de esting to deter nd the TS LC 5.2.1 Action a TANDBY with s. MPS2 had ion of the test is at 1221 on as prohibited lition was cau bined with a r s planned will	y Syst clared mine t O wen 1 requ in the been ting. T May 1 by the sed by need to impro	tem' A inope he pre- t into uires tl next 6 in a M The ga 7, 201 plant' not a posche ove scl	action a.1 crable at esence of effect up nat the p b hours a IODE wh ses were 4. s technic dequate dule per neduling	for 0018 f gas on fi ump ind r nere e suc cal ly ve form of th	an 3 on 5 voi 5 be be educ the cces ntin anciente	May ds. entry ce CS sfully g the e of ssting		

NRC FORM 366A	U.S. NUCLEAR REG	ULATORY COMMIS	SION	APPROV	ED B	OMB: NO	D. 315	0-0104	E	XPIRES: 0	1/31/2017		
LICENSEE EVENT REPORT (LER) CONTINUATION SHEET						Estimated burden per response to comply with this mandatory collection request: 80 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the FOIA, Privacy and Information Collectons Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to Infocollects. Resource@ncr.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0104), Office of Management and Budget, Washington, DC 20503, If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.							
1. FACIL	1. FACILITY NAME 2. DOCKET						ER			3. PAGE			
Millstone Power 9	Station – Unit 2	05000336	١	/EAR	s	EQUENTI/ NUMBER	AL .	REV NO.	2	OF	3		
		00000000	2	014	-	005	-	00	2		5		
NARRATIVE										· · · · ·			
1. EVENT DESC	RIPTION												
At 1933 on Ma Limiting Cond Spray System (CS) pump wa	ay 16, 2014 while in M ition for Operation (L0 " Action a.1 for an inc as declared inoperabl	MODE 3, Millsto CO) of plant Te operable conta e at 0018 on M	one echni inme 1ay 1	Power ical Spe ent spra 7, 201	Stat ecifi ay p 4, th	ion Uni cation (ump. T ie date	it 2 ((TS) The ' of d	MPS2) e 3.6.2.1 " A' contai liscovery,	xceec Conta nmen , follov	led the ainment t spray wing			

(CS) pump was declared inoperable at 0018 on May 17, 2014, the date of discovery, following completion of surveillance testing to determine the presence of gas voids. However, the gas found was introduced earlier during the refueling outage. The TS LCO went into effect upon entry into MODE 3 greater than 1750 psia on May 13, 2014, at 1933. TS 3.6.2.1 Action a.1 requires that the pump be restored to OPERABLE status within 72 hours or be in at least HOT STANDBY within the next 6 hours and reduce pressurizer pressure to less than 1750 psia within the following 6 hours. MPS2 had been in a MODE where the CS system was required to be OPERABLE for approximately 70.5 hours prior to completion of the testing. The gases were successfully removed by venting and the system was restored to OPERABLE status at 1221 on May 17, 2014, 88 hours after entering an applicable MODE for TS 3.6.2.1.

This condition is being reported as any operation or condition which was prohibited by the plant's technical specifications in accordance with 10 CFR 50.73 (a)(2)(i)(B).

2. CAUSE

Exceeding the LCO time limit while removing gases was due to not adequately venting the CS system following maintenance performed during the outage and delays in communicating the surveillance results to Operations, combined with a need to schedule performance of the surveillance testing earlier in a refueling outage.

3. ASSESSMENT OF SAFETY CONSEQUENCES

The containment spray (CS) system is composed of two redundant independent trains. The CS system in conjunction with the containment air recirculation and cooling system provides sufficient heat removal capability to limit the post-accident containment pressure and structural temperature below the design values.

The safety consequences of this condition was determined to be low. The "A" Train of the CS system was considered to be unavailable because the amount of gas found during the ultrasonic testing exceeded engineering guidance for system operability. The "B" Train of the CS system was confirmed to be free of voids, and remained available to perform the safety function, if needed. In addition, both trains of containment air recirculation and cooling systems were available during the period to perform the safety function, if necessary. The period of unavailability of the "A" Train of the containment spray system was of short duration, approximately 88 hours, and occurred during MODE 3, while the plant was shutdown.

4. CORRECTIVE ACTION

Corrective actions planned will improve scheduling of system testing for gas voids after outages, and will result in more timely communications of the results from completed testing to Operations.

NRC FORM 366A (02-2014) U.S. NUCLEAR REGULATORY COMMISSION LICENSEE EVENT REPORT (LER) CONTINUATION SHEET

1. FACILITY NAME	2. DOCKET	6	6. LER NUMBER	3. PAGE				
Millatona Dower Station Lipit 2	05000336	YEAR	SEQUENTIAL NUMBER	REV NO.	2	OF	2	
Millistone Power Station – Unit 2		2014	- 005 -	00	3	OF	3	

NARRATIVE

4. CORRECTIVE ACTION (Continued)

Additional corrective actions are being taken in accordance with the station's corrective action program.

5. PREVIOUS OCCURRENCES

There have been no previous occurrences.

6. Energy Industry Identification System (EIIS) codes

- Containment Spray System BE
- Pump P