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NRC Form 9-83)	n <b>366</b>	1	92/01		ENSEE EVE	NT REI	PORT	(LER)		U.S. NI J	CLEAR REG	ULATORY CO MB NO. 3150-4 1/85	<b>MISSIO</b> 104
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Three Mile Island Unit 2         0  5  0  0  0  3  2 0  1  0F 0 3           ITTLE (4)         Failure of													
EVE	Examination and Evaluation of Programs and Level Transmitters for Core Flood Tank												
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			).405(a)(1)(iv) ).405(a)(1)(v)	F	50.73(a)(2)(ii) 50.73(a)(2)(iii)			50.73(s)( 50.73(s)(	2)(viii)(8) 2)(x)		Infor	mation	Repo
NAME				1	LICENSEE CONTAC	FOR THIS	LER (12)			1	TELEPHON	E NUMBER	
Russell D. Wells						ARI 7 FACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)				AREA CODE 7 1 7	iea code 1117 91418   -1814 161		
CAUSE	SYSTEM	COMPONENT	MANUFAC- TURER	REPORTABLE		CAUSE	SYSTEM	СОМРО	NENT	MANUFAC- TURER	REPORT.	ABLE	
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			SUPPLEME	NTAL REPORT	T EXPECTED (14)					EXPECT SUBMISS	TED IN	MONTH DAY	YEA
ABSTRA	CT (Limit	to 1400 spaces, i.e.,	SUBMISSION DATE	single-space typ	NO wwritten lines) (16)							1 2 3 0	8
	I T R	n July 19 ransmitte eactor Bu ingineerir	81, Core F er CF-2-LT3 Wilding and Ng Laborato	lood Ta were i levalua ry (IN	ank "B" Pr removed fr ated by EC EL). OF-	cessure com the G&G Ida	e Tra e Thr aho, 1	nsmitt ee Mil Inc.,	ter C le Is at t	F-1-PT3 Sland Un the Idah	and Lo it 2 ( o Natio	evel TMI-2) opal	
	M ot B b if t t F	leter Comp corrosion. ransmitte Building a noperable Cailures of the transmithes eval cebruary 1	determined bany type E Subseque ers for Cor and evaluat le, whereas as a resu of the Bail mitter hous luations an 1983 and Ap	to be 378231X ently, te Flood ted at the tr lt of d ey uni sing by te repo pril 19	in opera -A unit, w in June 1: d Tank "A' INEL. The wo Bailey extensive ts is bel way of the rted in Ga 84, respen	ting c vas in 983, o vere Foxb inter inter ieved ne ele SND IN ctivel	a Fo: ondit. operal ne pro- remo- oro u , OF- nal co to be ctric. F 029	xboro ion; h ble du essure ved fr nit, ( 2-LT1 orros: due f al cor , Volu	type nowev ue to e tra rom t CF-1- and ion. to le nduit ume 1	e EllGM- /er, CF- o signif ansmitte che TMI- .PTI, wa CF-2-LT The ca eakage o cs. The I and II	HSAD1 2-LT3, icant r and 2 Reac s eval 2, wer use of f wate resul publi	Style B a Baile internal two leve tor uated to e the r into ts of shed in	

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NRC Form 366A		U.S. NUCLEAR REGULATORY COMMISSION
LICENSEE EVENT REPORT	T (LER) TEXT CONTINUATION	APPROVED OMB NO. 3150-0104 EXPIRES: 8/31/85
FACILITY NAME (1)	DOCKET NUMBER (2)	ER NUMBER (6) PAGE (2)
	YEAR	SEQUENTIAL REVISION
Obyce Mile Island Init 2	0 15 10 10 10 13 1 210 814	
TEXT (If more space is required, use additional NRC Form 366A's) (17)		
Three Mile Island Unit 2 Text // more space & required, we additional MAC form 36419/107 In July 1981, a Foxboro type E. (CF-1-PT3) and a Bailey Meter I level transmitter (CF-2-LT3) wi (TMI-2) Reactor Building and e National Engineering Laborator pressure in Core Flood Tank "B utilized to measure the level located at the 324' elevation, level mark in the Reactor Buil following is a summary of the CF-1-PT3 was found to be calibration. Contaminan on the transmitter housing and the transmitter housing and the transmitter velectr the change in the transm was, according to the ma transmitter output. CF-2-LT3 was found to ha unit inoperable. The fa into the transmitter hou The radiation environmen cause any permanent dama on the Bailey transmitter water damage to the tran The results of the examinaton reported in GEND INF 029, Volu Subsequently, as a continuatic OF-1-PT1, and Level Transmitter MI 2 Percenter Building in Jupe	<pre>veam veam llGM-HSAD1, Style B, press Company type BY8231X-A dif vere removed from the Three valuated by EG&amp;G Idaho Inc. y (INEL). CF-1-PT3 had be " (IEEE Code - BP), and CF of Core Flood Tank "B". E which was significantly h ding as a result of the TM examination of the two press in excellent operating co its found in the junction b ng indicated that water all the conduit. The manufactuate the junction box prevented tical and mechanical comport mitter's sensitivity to present anufacturer, below that of ave significant internal co allure was believed to be of using by way of the electra the resulting from the accid age to the Foxboro transmiter could not be determined nsmitter. and evaluation of CF-1-PTI ume I published in February on of the above effort, Pre- ers CF-2-LTI, and CF-2-LT2 and evaluation of CF-1-PTI and evaluation evaluation</pre>	SEQUENTIAL REVISION NUMBER NUMBER O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
CF-1-PT1, and Level Transmitte TMI-2 Reactor Building in June similar type Foxboro transmitt Core Flood Tank "A". CF-1-LT1 transmitters, had been utilize "A". All three transmitters w following is a summary of the	ers CF-2-LT1, and CF-2-LT2 1983 and evaluated at the er, had been used to measure and UF-1-LT2, both similated to measure the water level were located at the 324' end examination of the three the	were removed from the INEL. CF-1-PT1, a ure the pressure in ar type Bailey vel in Core Flood Tank levation. The transmitters:
The Foxboro Transmitter, manufacturer which preve and the electronic modul no effect on the long-te evaluation indicated tha change in transmitter's for this type transmitter	, CF-1-PT1, was adequately ented moisture damage to the le. The radiation environmer erm operation of the transmat at this unit was still in of output scan was also below er.	sealed by the he internal mechanisms ment appeared to have mitter. Laboratory calibration. The w the typical change

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form 366A		U.S. NU	CLEAR REGULATORY COMMIS
	ORT (LER) TEXT CONTIN	UATION A	PPROVED OMB NO, 3150-0104 XPIRES: 8/31/85
LITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)	PAGE (3)
		YEAR SEQUENTIAL	REVISION .
ree Mile Island Unit 2	0 5 0 0 0 3 2 0	8 4 - 0 0 8 -	-0 0 0 3000
<pre>If more space is required, use additioned VMC Form 3864 29 (17) The two Bailey Transmi internal corrosion res of water into the hous into the housing. One seal around the cover enter the transmitter extensive corrosion ar units were inoperable. upon removal, it was m radiation exposure fro The results of the examinati CF-2-LT2 are reported in GEV These results confirm the ext EG&amp;G Idaho Inc., intends to fourth quarter of 1984 and of mechanisms. Due to the potential generic an informational Licensee Even an information and License and an information and Licensee Even an information and License and an information and License and an information and an in</pre>	itters, CF-2-LT1 and sulting from inadequa sings was through the e of the transmitters plate which may have housing. The water and degradation of the . Considering the co not possible to deter om the accident had o ion and evaluation of ND INF 029, Volume II arlier findings repor have additional tran examined to determine c implications, this vent Report.	CF-2-LT2, exhibit te sealing. The electrical cond. appeared to have permitted some m in the housing re electronic modul ndition of the tr mine what effect on these transmitt CF-1-PT1, CF-2-L published in App ted in GEND INF ( asmitters removed the water intrus report is being s	<pre>:ed extensive major source nits leading a faulty noisture to esulted in le. Both cansmitters , if any, the ters. .Tl, and ril 1984. D29, Volume I. during the sion submitted as</pre>



## GPU Nuclear Corporation Post Office Box 480

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June 20, 1984

US Nuclear Regulatory Commission Document Control Desk Washington, DC 20555

Dear Sir:

Three Mile Island Nuclear Station, Unit 2 (TMI-2) Operating License No. DPR-73 Docket No. 50-320 Licensee Event Report 84-08

Attached is Licensee Event Report 84-08 providing results of the examination and evaluation of the TMI-2 "A" and "B" Core Flood Pressure Transmitters CF-1-PT1, CF-1-PT3, and Level Transmitters CF-2-LT1, CF-2-LT2, and CF-2-LT3 by the Idaho National Engineering Laboratory.

This data is being submitted as an information Licensee Event Report.

Sincerely K. Kanga

Director, TMI-2

BKK/RDW/jep

Attachments

cc: Regional Administrator - Office of I & E, Dr. T. E. Murley
Program Director - TMI Program Office, Dr. B. J. Snyder
Deputy Program Director - TMI Program Office, Mr. L. H. Barrett



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