

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8805260363 DOC. DATE. 88/05/20 NOTARIZED: NO DOCKET #
 FACIL: 50-410 Nine Mile Point Nuclear Station, Unit 2, Niagara Moho 05000410
 AUTH. NAME AUTHOR AFFILIATION
 JENKINS, R. E. Niagara Mohawk Power Corp.
 WILLIS, J. L. Niagara Mohawk Power Corp.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 88-021-00: on 880314, discovered 17 relays in high pressure core spray sys switchgear that may not be acceptable for nuclear safety-related application. Caused by vendor personnel-inattention to detail. W/880520 ltr.

DISTRIBUTION CODE: IE22D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 4
 TITLE: 50.73 Licensee Event Report (LER), Incident Rpt, etc.

NOTES:

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EXTERNAL:	EG&G WILLIAMS, S	4 4	FORD BLDG HOY, A	1 1
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LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Nine Mile Point Unit 2	DOCKET NUMBER (2) 0 5 0 0 0 1 4 1 0	PAGE (3) 1 OF 03
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TITLE (4) **High Pressure Core Spray Relays Found to be Improperly Documented for Safety Related Use due to Personnel Error - Voluntary Report**

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)		
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES		
									N/A		
03	14	88	88	021	00	05	20	88	N/A		

OPERATING MODE (9) 4	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)									
POWER LEVEL (10) 000	<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.405(c)	<input type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)						
	<input type="checkbox"/> 20.405(a)(1)(i)	<input type="checkbox"/> 50.36(c)(1)	<input type="checkbox"/> 50.73(a)(2)(v)	<input type="checkbox"/> 73.71(c)						
	<input type="checkbox"/> 20.405(a)(1)(ii)	<input type="checkbox"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(vi)	<input checked="" type="checkbox"/> OTHER (Specify in Abstract below and in Text, NRC Form 366A)						
	<input type="checkbox"/> 20.405(a)(1)(iii)	<input type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 60.73(a)(2)(viii)(A)	Voluntary						
	<input type="checkbox"/> 20.405(a)(1)(iv)	<input type="checkbox"/> 60.73(a)(2)(ii)	<input type="checkbox"/> 60.73(a)(2)(viii)(B)							
	<input type="checkbox"/> 20.405(a)(1)(v)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(ix)							

LICENSEE CONTACT FOR THIS LER (12)		TELEPHONE NUMBER	
NAME Robert E. Jenkins, Assistant Supervisor Technical Support		AREA CODE 315	349-4220

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)										
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS

SUPPLEMENTAL REPORT EXPECTED (14)			EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO					

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single space typewritten lines) (16)

On March 14, 1988 with the plant in cold shutdown, it was discovered that 17 relays in the High Pressure Core Spray system (CSH) switchgear (2EGS*PNL028) may not be acceptable for nuclear safety related application.

During a preaudit review by the vendor on March 14, 1988, it was discovered that the above relays were conditionally released March 24, 1981. Per the documentation they required dedication or replacement with safety related components at a future date. On January 14, 1983, the conditional release was erroneously lifted via a "Field Disposition Instruction". This event is being reported on a voluntary basis. If the relays could not have been dedicated as is, a single failure would have rendered CSH inoperable and reportable per 10CFR50.73(a)(2)(v).

The cause of the event is vendor personnel error-inattention to detail. The conditional release for the switchgear containing the relays was lifted incorrectly. The releasing document did not address the relays that were on the conditional release.

The unqualified relays were dedicated per the requirements of the initial release document. Field Deviation Disposition Request (FDDR) KGI-6262, written March 16, 1988, addresses this issue.

The vendor performed a review of all conditional releases on the Nine Mile Point 2 project and has verified that all conditional releases have been resolved.

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FACILITY NAME (1) Nine Mile Point Unit 2	DOCKET NUMBER (2) 0 5 0 0 0 410	LER NUMBER (6)			PAGE (3)		
		YEAR 88	SEQUENTIAL NUMBER 021	REVISION NUMBER 00	02	OF	03

TEXT (If more space is required, use additional NRC Form 366A's) (17)

I. DESCRIPTION OF EVENT

On March 14, 1988 with the plant in cold shutdown, it was discovered that 17 relays in the High Pressure Core Spray system (CSH) switchgear (2EGS*PNL028) may not be acceptable for nuclear safety related application. Subsequently, the CSH system was declared inoperable.

During a preaudit review by the vendor on March 14, 1988, it was discovered that the above relays were conditionally released March 24, 1981. Per the documentation they required dedication or replacement with safety related components at a future date. On January 14, 1983, the conditional release was erroneously lifted via a vendor initiated "Field Disposition Instruction".

Operations was immediately notified of the indeterminate status of the relays. CSH was declared inoperable and appropriate actions required by Technical Specifications were taken. Dedication of the relays was completed March 16, 1988. No replacements were required since the parts were determined to meet all applicable requirements. CSH was then returned to operable status the same day (March 16, 1988).

II. CAUSE OF EVENT

The cause of the event is vendor personnel error-inattention to detail. The conditional release for the switchgear containing the relays was lifted incorrectly. The person releasing the document did not adequately review the status of the relays that were on the conditional release.

III. ANALYSIS OF EVENT

This event is being reported on a voluntary basis. If the relays could not have been dedicated as is, a single failure would have rendered CSH inoperable and reportable per 10CFR50.73(a)(2)(v).

This event posed no adverse safety consequences. All the relays that were indeterminate were later dedicated for use in their specific safety related application. Thus, all of the components involved in this event were technically operable and able to perform their intended functions, as designed.

The duration of the event was from original installation (prior to issue of NMP2 Operating License) to March 16, 1988.

IV. CORRECTIVE ACTIONS

Immediate corrective action was to declare CSH inoperable.

The unqualified relays were dedicated, per the requirements of the initial release document. Field Deviation Disposition Request (FDDR) KGI-6262, written March 16, 1988, addresses this issue.

The vendor performed a review of all conditional releases on the Nine Mile Point 2 project and has verified that all conditional releases have been resolved. The 2EGS*PNL028 relays have been determined to be an isolated case.



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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		88	021	00	03	03

NOTE: If more space is required, use additional NRC Form 366A's (17)

V. ADDITIONAL INFORMATION

Identification of Components Referred to in this LER

Component	IEEE 803 EIIIS Funct	IEEE 805 System ID
High Pressure Core Spray Systems (CSH) Switchgear (2EGS*PNL028) Relays	N/A SWGR RLY	BG BG BG

There have been no previous similar events at Nine Mile Point Unit 2.

Failed Components - None

NINE MILE POINT—UNIT 2/P.O. BOX 63, LYCOMING, NY 13093/TELEPHONE (315) 343-2110

May 20, 1988

United States Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

RE: Docket No. 50-410
LER 88-21

Gentlemen:


In accordance with 10 CFR 50.73, we hereby submit the following
voluntary Licensee Event Report:

LER 88-21

A 10CFR50.72 report for this event was made at 2210 hours on
March 14, 1988.

This report was completed in the format designated in NUREG-1022,
Supplement 2, dated September 1985.

Very truly yours,


J. L. Willis
General Superintendent
Nuclear Generation

JLW/DRG/mjd

Attachments

cc: Regional Administrator, Region 1
Sr. Resident Inspector, W. A. Cook

IEA 2
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