RESULARRY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:	8707150713 DOC. DAT	E: 87/07/10	NOTARIZED: N	0	DOCKET #
FACIL: 50-410	Nine Mile Point Nucle	ar Station,	Unit 2, Niaga	ra Moha	05000410
AUTH. NAME	AUTHOR AFFILIATI	ON			
RANDALL, R. G.	Niagara Mohawk Po	wer Corp.			
LEMPGES, T. E.	Niagara Mohawk Po	wer Corp.			
RECIP. NAME	RECIPIENT AFFILI	ATION	-		

SUBJECT: LER 87-032-00: on 870612, actuation of ESF experienced. Cause unknown. Operators verified plant status as normal, reset isolation signal & return RWCU sys to svc. W/870710 ltr.

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

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NRC Form 386A (0-83)	" LICENSE EVET REPORT (LER) TEXT CONTINUATION				U.S. NUCLEAR REGULATORY COMMISSION APPROVED OMB NO. 3150-0104 EXPIRES: 8/31/85			
FACILITY NAME (1)		DOCKET NUMBER (2)	LER NUMB	ER (6)	PAGE (3)			
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Nine Mile	Point Unit 2	0 5 0 0 0 4 1 0	8 7 - 0 3	2 - 010	012 OF 013			

TEXT (If more space is required, use additional NRC Form 306A's) (17)

I. DESCRIPTION OF EVENT

On June 12, 1987 at 2121 hours, Nine Mile Point Unit 2 (NMP2) experienced actuation of an Engineered Safety Feature (ESF), specifically, isolation of the Reactor Water Cleanup (RWCU) system. At the time of the event, the plant was in a hot shutdown condition with the reactor mode switch in "SHUTDOWN". Reactor pressure and temperature were approximately 583 pounds per square inch gauge (psig) and 482°F, respectively.

Following a scram at 2056 hours (LER 87-31), a Niagara Mohawk operator was controlling reactor water level. During reactor startup/hot standby, it is necessary to remove excess reactor coolant, due to Control Rod Drive (RDS) system cooling water in-flow and reactor water thermal swell, via the RWCU system until steam can be passed directly to the Main Condenser. The removed excess reactor coolant (reject flow) may be directed to either the Main Condenser or to the Liquid Radioactive Waste Treatment system. While removing the inservice RWCU filter demineralizer in preparation to reduce the amount of reject flow, a sensed high flow differential between RWCU system suction and reject flow transmitters occurred and initiated the RWCU system isolation.

For the event, operator actions were per the approved temporary operating procedure 87-41, "Feedwater/Clean-Up System Operation". This procedure is in effect during startup and shutdown of the plant to mitigate feedwater line temperature stratification.

There were no components or systems which were inoperable and/or out of service which contributed to the event. No plant system or component failures resulted from the event.

II. CAUSE OF EVENT

The root cause of the RWCU isolation has not been determined at this time. Investigation into the root cause will continue with a supplemental report to be submitted by September 11, 1987.

The investigation will focus on the RWCU flow transmitters which initiated the isolation.

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NRC Form 368A	REPORT (LER) TEXT CONTINU	ATION APPROV	REGULATORY COMMISSION ED OMB NO, 3150-0104 S: 8/31/85
FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)	PAGE (3)
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III. ANALYSIS OF EVENT

The NMP2 Final Safety Analysis Report Section 5.4.8 states: "The RWCU system is classified as a primary power generation system (not an Engineered Safety Feature (ESF)), a small part of which is part of the reactor coolant pressure boundary (RCPB) up to and including the outside isolation valve. The other portions of the system are not part of the RCPB and can be isolated from the reactor. The RWCU system may be operated at any time during planned reactor operations or it may be shutdown if water quality is within the Technical Specification limits."

An RWCU isolation does not impair the station's capability to achieve a safe shutdown condition. The RWCU isolation function operated as designed with no other transients or inoperable systems contributing to the event.

The event is considered reportable via 10CFR50.73 (a)(2)(iv) because the isolation function is an ESF function which is part of the Primary Containment and Reactor Vessel Isolation Control System.

The duration of the event was approximately nine minutes.

IV. CORRECTIVE ACTIONS

The immediate corrective actions were for the operators to verify the plant status as normal, reset the isolation signal and return the RWCU system to service.

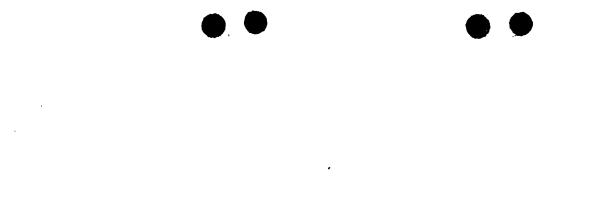
Additional corrective actions for this event will be dependent upon the final determination of the root cause investigation.

V. ADDITIONAL INFORMATION

Identification of Components Referred to in this LER

Component.	IEEE 803 EIIS Funct	IEEE 805 System ID
Flow Transmitter	FT	IJ
Instrument Line	TBG	CE
Reactor Water Clean Up System	N/A	CE
Flow Indicator	FI	CE
Isolation Logic System	N/A	JE

Although the event described in LER 87-26 deals with a RWCU isolation related to the reject flow transmitters, the root cause of that event was personnel error in venting one of the transmitters. Therefore, that event and the event described above are not considered similar.



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NMP26419

NIAGARA MOHAWK POWER CORPORATION



301 PLAINFIELD ROAD SYRACUSE, NY 13212

July 10, 1987

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

RE: Docket No. 50-410 LER 87-32

Gentlemen:

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

LER 87-32 Is being submitted in accordance with 10 CFR 50.73 (a) (2) (iv), "Any event or condition that resulted in manual or automatic actuation of any Engineered Safety Feature (ESF), including the Reactor Protection System (RPS). However, actuation of an ESF, including the RPS, that resulted from and was part of the preplanned sequence during testing or reactor operation need not be reported."

A 10 CFR 50.72 (b) (2) (ii) report was made at 2345 hours on June 12, 1987.

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

Very truly yours,

Thomas E. Lempges Vice President Nuclear Generation

TEL/JTD/mjd

Attachments

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



THOMAS E. LEMPGES

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