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 FACIL: 50-410 Nine Mile Point Nuclear Station, Unit 2, Niagara Moha 05000410
 AUTH. NAME AUTHOR AFFILIATION
 RANDALL, R. G. Niagara Mohawk Power Corp.
 RECIP. NAME RECIPIENT AFFILIATION
 NIRDISD

SUBJECT: LER 87-041-00: on 870711, plant in violation of Tech Spec Section 4.7.1.1.1a-3 requiring increase in surveillance monitoring. Caused by defective procedures. Surveillance monitoring increased & procedure revised. W/870731 ltr.

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 TITLE: 50.73 Licensee Event Report (LER), Incident Rpt, etc.

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LICENSEE EVENT REPORT (LER)

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TITLE (4) **Technical Specification Violation Results from Failure to Increase Surveillance Monitoring of the Service Water Supply Temperature - Procedural Deficiency**

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		DOCKET NUMBER(S)																																																																		
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">OPERATING MODE (9)</td> <td colspan="10">THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §. (Check one or more of the following) (11)</td> </tr> <tr> <td></td><td>3</td> <td>20.402(b)</td><td></td><td>20.405(c)</td><td></td><td>50.73(a)(2)(iv)</td><td></td><td>73.71(b)</td> </tr> <tr> <td>POWER LEVEL (10)</td><td>000</td> <td>20.405(a)(1)(i)</td><td></td><td>50.38(c)(1)</td><td></td><td>50.73(a)(2)(v)</td><td></td><td>73.71(c)</td> </tr> <tr> <td></td><td></td> <td>20.405(a)(1)(ii)</td><td></td><td>50.38(c)(2)</td><td></td><td>50.73(a)(2)(vi)</td><td></td><td>OTHER (Specify in Abstract below and in Text NRC Form 366A)</td> </tr> <tr> <td></td><td></td> <td>20.405(a)(1)(iii)</td><td>X</td><td>50.73(a)(2)(i)</td><td></td><td>50.73(a)(2)(viii)(A)</td><td></td><td></td> </tr> <tr> <td></td><td></td> <td>20.405(a)(1)(iv)</td><td></td><td>50.73(a)(2)(ii)</td><td></td><td>50.73(a)(2)(vii)(B)</td><td></td><td></td> </tr> <tr> <td></td><td></td> <td>20.405(a)(1)(v)</td><td></td><td>50.73(a)(2)(iii)</td><td></td><td>50.73(a)(2)(ix)</td><td></td><td></td> </tr> </table>												OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §. (Check one or more of the following) (11)											3	20.402(b)		20.405(c)		50.73(a)(2)(iv)		73.71(b)	POWER LEVEL (10)	000	20.405(a)(1)(i)		50.38(c)(1)		50.73(a)(2)(v)		73.71(c)			20.405(a)(1)(ii)		50.38(c)(2)		50.73(a)(2)(vi)		OTHER (Specify in Abstract below and in Text NRC Form 366A)			20.405(a)(1)(iii)	X	50.73(a)(2)(i)		50.73(a)(2)(viii)(A)					20.405(a)(1)(iv)		50.73(a)(2)(ii)		50.73(a)(2)(vii)(B)					20.405(a)(1)(v)		50.73(a)(2)(iii)		50.73(a)(2)(ix)		
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LICENSEE CONTACT FOR THIS LER (12)

NAME Robert G. Randall, Supervisor Technical Support	TELEPHONE NUMBER AREA CODE 315 NUMBER 349-2445
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPD'S	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPD'S

SUPPLEMENTAL REPORT EXPECTED (14)

YES *fill complete EXPECTED SUBMISSION DATE!* NO

EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR

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

On July 11, 1987 at 2036 with the reactor in hot shutdown (Operational Condition 3) and at a temperature and pressure of 317 degrees Fahrenheit and 100 pounds per square inch gauge respectively, it was determined that Nine Mile Point Unit 2 was in violation of Technical Specification (TS) Section 4.7.1.1.a-3. This violation occurred due to the failure to perform increased surveillance monitoring of the service water supply header water temperature. Seven surveillances required by TS Section 4.7.1.1.a-3 were not performed over a 28 hour period.

The root cause of this event is a procedural deficiency.

The corrective actions taken subsequent to this event are: 1) The surveillance monitoring was increased to two hours. 2) The surveillance procedure has been revised to include TS operability limits for the service water supply header temperature. 3) Other surveillance logs will be reviewed to ensure applicable TS operability limits are incorporated as required. 4) This event will be included in the Operation's department lessons learned book. 5) A Training Modification Recommendation has been submitted requesting operator training concerning this event.

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

I. DESCRIPTION OF EVENT

On July 11, 1987 at 2036 with the reactor in hot shutdown (Operational Condition 3) and at a temperature and pressure of 317 degrees Fahrenheit (°F) and 100 pounds per square inch gauge respectively, it was determined that Nine Mile Point Unit 2 (NMP2) was in violation of Technical Specification (TS) Section 4.7.1.1.1a-3. This violation occurred due to the failure to perform increased surveillance monitoring of the service water supply header water temperature as required by this TS section. Specifically, TS Section 4.7.1.1.1a-3 requires that surveillance (temperature readings) be performed at least once every two hours when the service water supply header water temperature is greater than or equal to 74°F.

Service water header water temperature reached 74°F at 1600 hours on July 10, 1987. The two hour surveillance schedule should have been in effect from this time. But, the Operations department at NMP2 unintentionally continued with a four hour surveillance interval until 2036 on July 11, 1987 when it was recognized that the station was not in compliance with its Technical Specifications. A two hour surveillance interval was immediately implemented and compliance with TS Section 4.7.1.1.1a-3 was achieved, ending the event.

There were no other inoperable systems which contributed to this event.

II. CAUSE OF EVENT

The root cause of this event is a procedural deficiency.

The normal surveillance procedure (shift checks) did not call attention to the Technical Specification operability limits (pertaining to the service water temperature) in the appropriate area provided on the data sheets. Instead a "not applicable" existed in this area. As a result, the operator collecting the service water supply header water temperature data (during the four hour surveillance) did not realize that a two hour surveillance monitoring interval was required when the water temperature increased to 74°F. Additionally, the control room supervision reviewing the collected data also failed to identify this increased surveillance requirement.

The different temperature operability limits should have been placed on the data sheet, evident to the operator. If this was done, this TS violation may have been prevented.



LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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III. ANALYSIS OF EVENT

Seven surveillances were not performed as required by TS Section 4.7.1.1.1a-3 from 1600 hours on July 10, 1987 (when the event started) to 2000 hours on July 11, 1987 when NMP2 was brought into compliance with this TS section, ending the event. The total elapsed time for this event is approximately 28 hours.

Although a violation of NMP2 Technical Specifications had occurred, the service water system was still considered operable per TS Section 3.7.1.1. The most limiting action statement in TS Section 3.7.1.1 requires the service water system to be returned to operable status within 12 hours or the plant be in hot shutdown within the next 12 hours. Surveillance of the service water supply header water temperature (demonstrating service water operability) was performed every four hours (instead of the required two). Therefore, the operability requirements for the service water system were satisfied well before the 12 hour Limiting Condition for Operation (LCO) expired. (Each time the surveillance was performed the LCO "clock" was considered reset.)

Therefore, in light of the above no adverse safety consequences resulted from this event.

IV. CORRECTIVE ACTIONS

1. The surveillance schedule was changed from every four hours to every two hours as required by TS Section 4.7.1.1.1a-3. This action brought the station back into compliance with its Technical Specifications.
2. The normal shift check surveillance procedure has been revised to include the TS operability limits for the service water supply header temperature. Inclusion of these limits will indicate to the operator to consult the applicable TS section for the appropriate action when the specified limit is exceeded.
3. The normal shift, daily, weekly, and monthly surveillance logs will be reviewed to ensure that all applicable TS operability limits are incorporated. These procedures will be revised as required. The anticipated completion date for this review/revision is September 30, 1987.
4. A summary of the event will be included in the NMP2 Operations department lessons learned book. This book is required reading for all Operations personnel.
5. A Training Modification Recommendation has been submitted requesting discussion of this event in licensed and non-licensed operator training. This action along with corrective action #4 shall ensure that Operations personnel will be familiar with this event.



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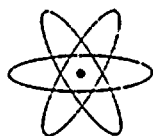
V. ADDITIONAL INFORMATION

No other LER's cover events similar to that discussed in this report.

Identification of Components Referred to in this LER

Component	IEEE 803 EIIS Funct	IEEE 805 System ID
Service Water System	N/A	BI





NIAGARA MOHAWK POWER CORPORATION

NIAGARA  MOHAWK

301 PLAINFIELD ROAD
SYRACUSE, NY 13212

THOMAS E. LEMPGES
VICE PRESIDENT—NUCLEAR GENERATION

July 31, 1987

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

RE: Docket No. 50-410
LER 87-41

Gentlemen:

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

LER 87-41 Which is being submitted in accordance with 10 CFR 50.73 (a) (2) (i) (B), "Any operation or condition prohibited by the plant's Technical Specifications;"

A 10 CFR 50.72 report was made at 2105 hours on July 11, 1987.

This report was completed in the format designated in NUREG-1022, Supplement No. 2, dated September 1985.

Very truly yours,

Thomas E. Lempges
Vice President
Nuclear Generation

TEL/POB/mjd

Attachments

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

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