

CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9812300386 DOC.DATE: 98/12/17 NOTARIZED: NO DOCKET #
FACIL:50-410 Nine Mile Point Nuclear Station, Unit 2, Niagara Moha 05000410
AUTH.NAME , AUTHOR AFFILIATION
WARD,K.D. Niagara Mohawk Power Corp.
PALEOLOGOS,N. Niagara Mohawk Power Corp.
RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: LER 98-028-00:on 981202,inadvertent isolation of RCIC & SDC,
occurred.Caused by spurious trip of trip unit.Trip unit
replaced & TS action statements were exited.With 981217 ltr.

DISTRIBUTION CODE: IE22T COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 4
TITLE: 50.73/50.9 Licensee Event Report (LER), Incident Rpt, etc.

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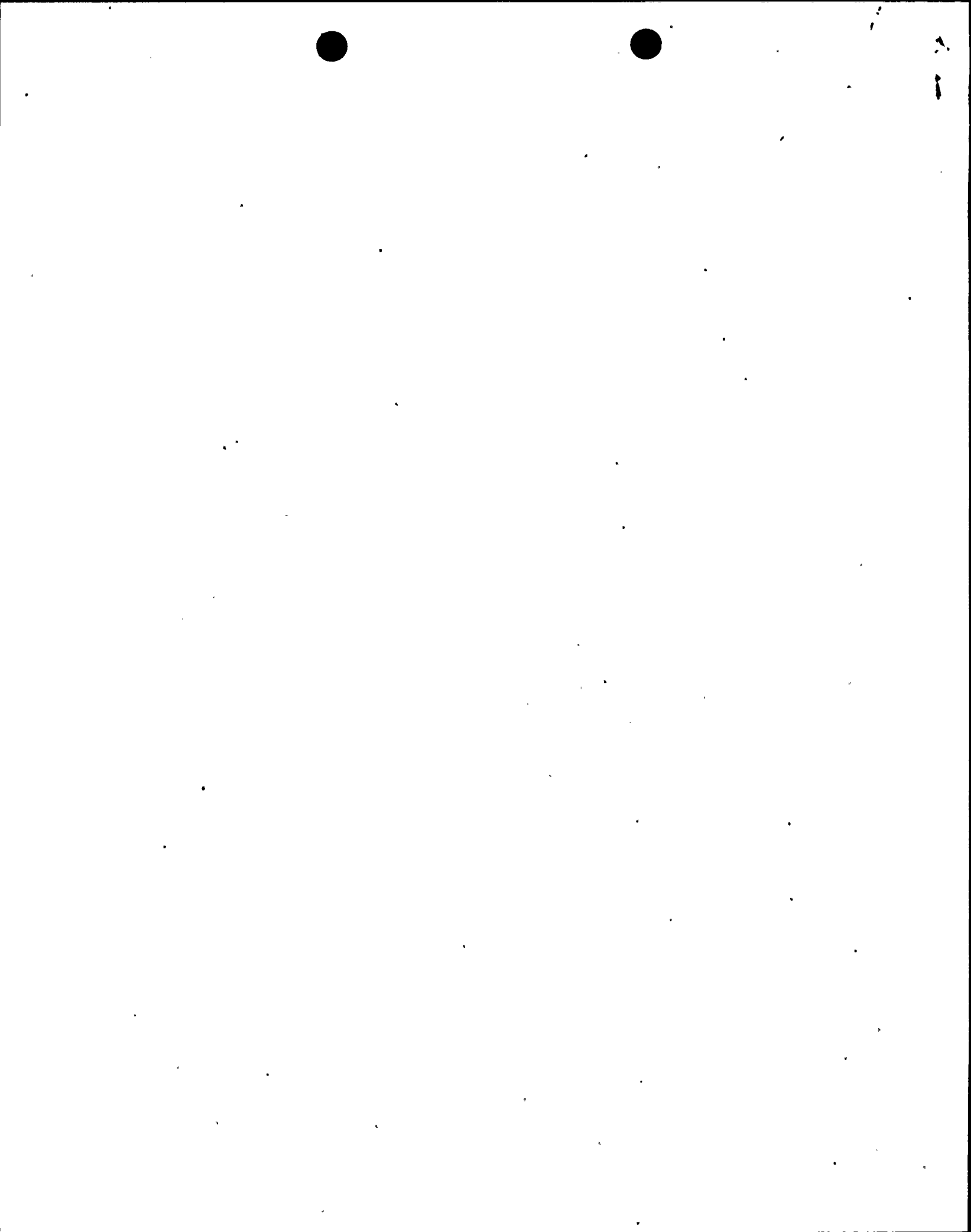
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LICENSEE EVENT REPORT (LER)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503

FACILITY NAME (1) Nine Mile Point Unit 2	DOCKET NUMBER (2) 05000410	PAGE (3) 1 OF 3
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TITLE (4)
Inadvertent Isolation of RCIC and SDC Due to Spurious Trip of a Trip Unit

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)	
12	02	98	98	028	00	12	17	98	N/A		
									N/A		

OPERATING MODE (9) 1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)
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POWER LEVEL (10) 51%	<input type="checkbox"/> 20.2201(b) <input type="checkbox"/> 20.2203(a)(1) <input type="checkbox"/> 20.2203(a)(2)(i) <input type="checkbox"/> 20.2203(a)(2)(ii) <input type="checkbox"/> 20.2203(a)(2)(iii) <input type="checkbox"/> 20.2203(a)(2)(iv)	<input type="checkbox"/> 20.2203(a)(2)(v) <input type="checkbox"/> 20.2203(a)(3)(i) <input type="checkbox"/> 20.2203(a)(3)(ii) <input type="checkbox"/> 20.2203(a)(4) <input type="checkbox"/> 50.36(c)(1) <input type="checkbox"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(i) <input type="checkbox"/> 50.73(a)(2)(ii) <input type="checkbox"/> 50.73(a)(2)(iii) <input checked="" type="checkbox"/> 50.73(a)(2)(iv) <input type="checkbox"/> 50.73(a)(2)(v) <input type="checkbox"/> 50.73(a)(2)(vii)	<input type="checkbox"/> 50.73(a)(2)(viii) <input type="checkbox"/> 50.73(a)(2)(x) <input type="checkbox"/> 73.71 <input type="checkbox"/> OTHER <i>(Specify in Abstract below and in Text, NRC Form 366A)</i>
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LICENSEE CONTACT FOR THIS LER (12)	
NAME K.D. Ward - Technical Support Manager	TELEPHONE NUMBER (315) 349-1043

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)										
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPD	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPD	
X	BO/BN	TS	R281	Y						

SUPPLEMENTAL REPORT EXPECTED (14)				EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR
<input checked="" type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)				<input type="checkbox"/> NO		03	31	99

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

While ascending in power from a forced outage, on December 2, 1998, Nine Mile Point Unit 2 (NMP2) experienced an isolation of the Reactor Core Isolation Cooling (RCIC) system and Shutdown Cooling (SDC) received an isolation signal. At the time, a Reactor Operator (RO) was reading the temperature in the control room from temperature switch 2RHS*TS82A at the trip unit (E31-N639A) on Control Room Panel 2CEC*PNL632.

The apparent cause of the event is a spurious failure of the trip unit. However, initial testing could not duplicate the problem. Therefore, the trip unit has been sent to a laboratory for further analysis. A supplement to this LER will be submitted when the analysis is completed.

The trip unit was replaced and the Technical Specification (TS) action statements were exited. Additional actions which result from analysis will be provided in the supplement to the LER.

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PDR ADOCK 05000410
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**LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION**

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1) Nine Mile Point Unit 2	DOCKET NUMBER (2) 05000410	LER NUMBER (6)				PAGE (3) 02 OF 03
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		98	- 28	- 00		

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

I. DESCRIPTION OF EVENT

While ascending in power from a forced outage, on December 2, 1998, Nine Mile Point 2 (NMP2) experienced an isolation of the Reactor Core Isolation Cooling (RCIC) system and Shutdown Cooling (SDC) received an isolation signal. At the time, the plant was at approximately 51 percent power.

When the isolation occurred, a Reactor Operator (RO) was taking normal log readings on Control Room Panel 2CEC*PNL632. Panel 2CEC*PNL632 contains a bank of trip units with inputs from thermocouples in various locations in NMP2. The trip units have a toggle switch on the front panel. The toggle switch has a "Read" position to obtain the temperature reading, and a "Set" position to vary the alarm setpoint. A spring return feature returns the switch to a normal mid-position after the operator releases the switch following a "Read" or "Set" operation.

The RO obtained a temperature reading by placing the switch in the "Read" position. The RO then released the switch to transfer the reading to the rounds log. When he released the switch, the RO heard an annunciator and the light on the trip unit illuminated. He then informed the "at the controls" RO that he was obtaining readup when the annunciator alarmed. The RO then placed the toggle switch back into "READ" and the alarm cleared.

II. CAUSE OF EVENT

The apparent cause of the event is a spurious failure of the trip unit. However, initial testing could not duplicate the problem. Therefore, the trip unit has been sent to a laboratory for further analysis. A supplement to this LER will be submitted when the analysis is completed.

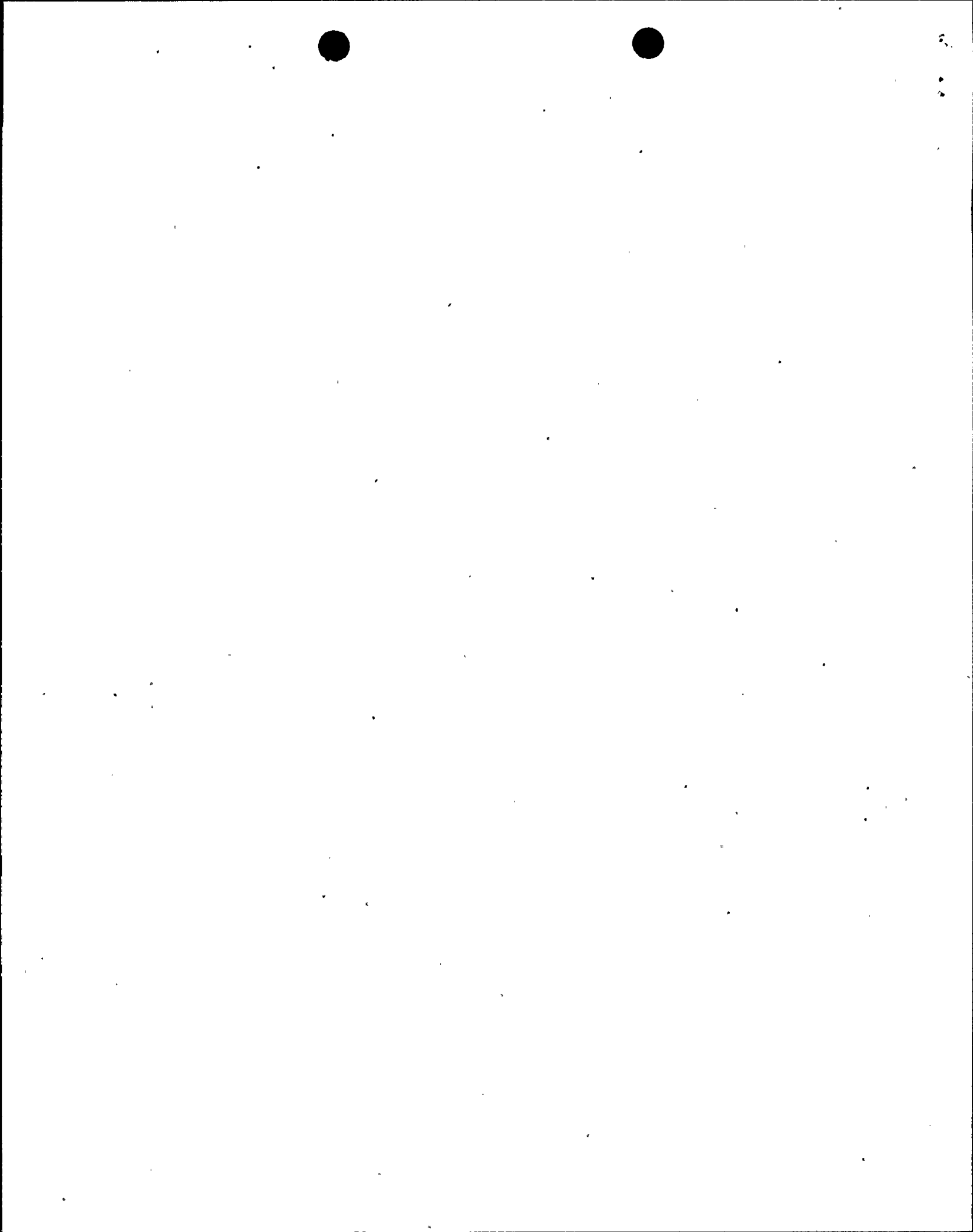
III. ANALYSIS OF EVENT

This event is reportable in accordance with 10CFR50.73(a)(2)(iv), "Any event or condition that resulted in a manual or automatic actuation of an engineered safety feature (ESF), including the reactor protection system (RPS)."

At the time of this event, NMP2 was in power operation, and SDC was not required. Therefore, the isolation signal for SDC had no impact on the safe operation of the plant.

The RCIC system is designed to supply makeup water to the reactor vessel when the reactor is in a hot shutdown condition and is isolated from the Main Condenser with the reactor Feedwater System not in operation. By adding low temperature makeup water to the reactor, core cooling is assured. Isolation of the RCIC system is a conservative action designed to prevent significant releases of radioactive materials from the Primary Containment to the environment in the event of a significant RCIC system steam line break. An





5-2-98
Niagara  Mohawk®

December 17, 1998
NMP2L 1841

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

RE: Docket No. 50-410
LER 98-28

Gentlemen:

In accordance with 10CFR50.73(a)(2)(iv), we are submitting LER 98-28 "Inadvertent Isolation of RCIC and SDC due to Spurious Trip of a Temperature Switch."

Very truly yours,



Nick Paleologos
Plant Manager - NMP2

NCP/GJG/sc
Attachment

xc: Mr. H. J. Miller, Regional Administrator, Region I
Mr. G. K. Hunegs, Senior Resident Inspector
Records Management

IEG |

