

CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9803060156 DOC. DATE: 98/03/04 NOTARIZED: NO DOCKET #
 FACIL: 50-410 Nine Mile Point Nuclear Station, Unit 2, Niagara Moha 05000410
 AUTH. NAME AUTHOR AFFILIATION
 LAMPMAN, K. Niagara Mohawk Power Corp.
 RECIP. NAME RECIPIENT AFFILIATION
 NRC - No Detailed Affiliation Given

SUBJECT: Part 21 rept re lockup of Westronics recorders due to servo amplifier board overrange feature. Problem corrected in Fall of 1997.

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 TITLE: Part 21 Rept (50 DKT)

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	NRR/DRPM/PECB/B		1	1		PDR WARD, M.	1	1	
	RES/DET/EIB		1	1		RGN1	1	1	
	RGN2		1	1		RGN3	1	1	
	RGN4		1	1					
EXTERNAL:	INPO RECORD	CTR	1	1		NOAC SILVER, E	1	1	
	NRC PDR		1	1		NUDOCS FULL TXT	1	1	

**THIS DOCUMENT
HAS BEEN SCANNED**

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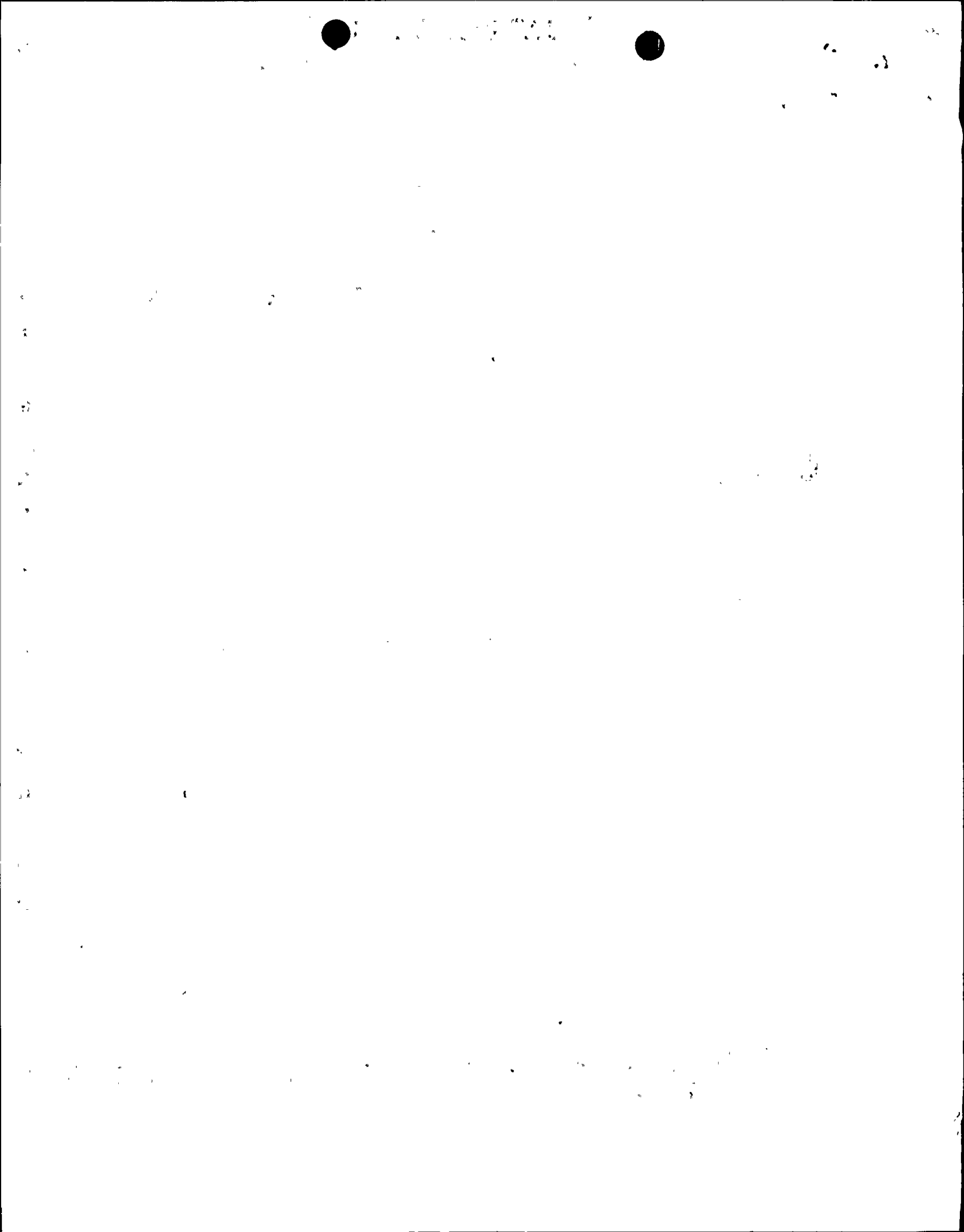
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!!!!!! THIS EVENT HAS BEEN RETRACTED. THIS EVENT HAS BEEN RETRACTED !!!!!!

POWER REACTOR

EVENT NUMBER: 33650

FACILITY: NINE MILE POINT	REGION: 1	NOTIFICATION DATE: 02/04/98
UNIT: [] [2] []	STATE: NY	NOTIFICATION TIME: 13:50 [ET]
RX TYPE: [1] GE-2, [2] GE-5		EVENT DATE: 02/04/98
		EVENT TIME: 13:50 [EST]
NRC NOTIFIED BY: KENNO LAMPMAN		LAST UPDATE DATE: 03/04/98
HQ OPS OFFICER: JOHN MacKINNON		

EMERGENCY CLASS: NOT APPLICABLE	NOTIFICATIONS
10 CFR SECTION: CCCC 21.21	Laurie Peluso RDO
UNSPECIFIED PARAGRAPH	Vern Hodge (PCEB) NRR

UNIT	SCRAM CODE	RX CRIT	INIT PWR	INIT RX MODE	CURR PWR	CURR RX MODE
2	N	Y	95	POWER OPERATION	95	POWER OPERATION

EVENT TEXT

10 CFR PART 21: LOCKUP OF WESTRONICS RECORDERS DUE TO SERVO AMPLIFIER BOARD OVERRANGE FEATURE - THIS PROBLEM WAS CORRECTED IN THE FALL OF 1997.

DESCRIPTION OF CONDITION:

THE DEVIATION DESCRIBED IN THE REFERENCED DEVIATION EVENT REPORTS (DER) AFFECTS THE FIVE SAFETY-RELATED (SR) RECORDERS. RECORDERS 2ISC*LR1623A/B AND 2ISC*PR1623A/B WERE SUPPLIED TO GENERAL ELECTRIC (GE) BY WESTRONICS AS NON-SAFETY-RELATED INSTRUMENTS (NSR) AND WERE UPGRADED TO SR BY GE (PURCHASE ORDER/SPEC. P800A). FUEL ZONE LEVEL RECORDER 2ISC*LR1615 WAS SUPPLIED AS SR EQUIPMENT AND IS FED FROM TRANSMITTER 2ISC*LT13B. THE WIDE RANGE LEVEL RECORDERS 2ISC*LR1623A/B ARE FED FROM TRANSMITTERS 2ISC*LT9A/B. THE LATTER RECORDERS EACH ALSO DISPLAY VESSEL PRESSURE ON A SECOND CHANNEL AND PEN. THE PRESSURE CHANNELS 2ISC*PR1623A/B ARE FED FROM PRESSURE TRANSMITTERS 2ISC*PT16A/B. ALL OF THE AFFECTED RECORDERS ARE ON MAIN CONTROL ROOM PANEL 2CEC*PNL601. ALL OF THESE RECORDERS ARE SR TECHNICAL SPECIFICATIONS POST-ACCIDENT MONITORING INSTRUMENTS. THEY ARE IDENTIFIED ON THE NMP2 MASTER EQUIPMENT LIST AS REGULATORY GUIDE 1.97 MONITORING EQUIPMENT. ALL OF THE ABOVE MENTIONED RECORDERS WERE INSTALLED WHEN THE PLANT WAS INITIALLY LICENSED.

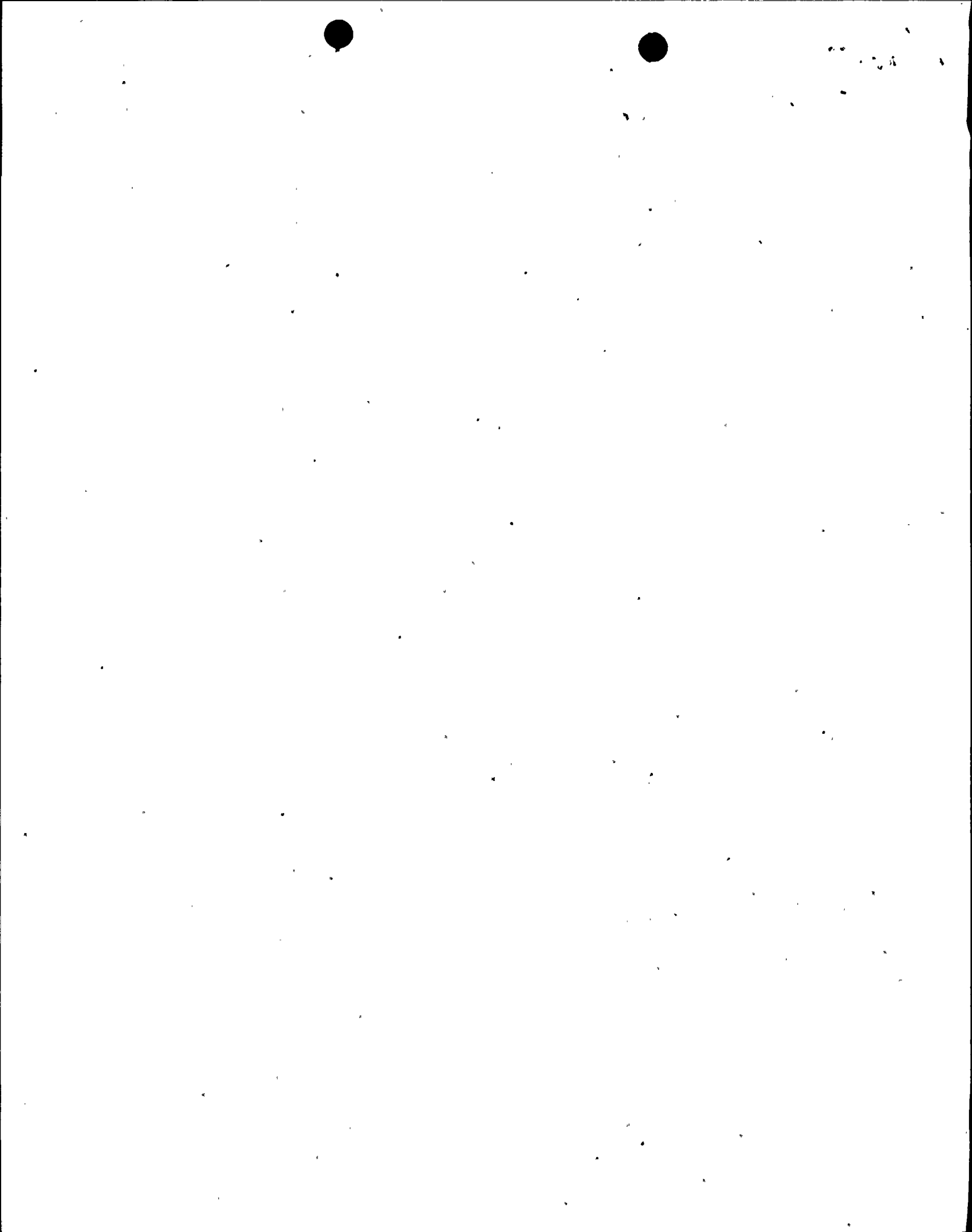
DERs 2-97-1662 AND 2-97-3030 DESCRIBE FAILURES OF THE AFFECTED VESSEL PRESSURE AND LEVEL RECORDERS LISTED ABOVE SUCH THAT THE AFFECTED RECORDER CHANNEL LOCKS UP TEMPORARILY UNDER CONDITIONS WHERE THEY EXPERIENCE A LARGE STEP CHANGE IN THE PROCESS VARIABLE MONITORED OR WHEN THE RECORDERS HAVE THE PEN MANUALLY MOVED FROM THE POSITION TO WHICH IT WAS DRIVEN BY THE SERVO AMPLIFIER BOARD (WESTRONICS PART NUMBER CB100124N04).

(Continued on next page)

JE190/

9803060156 980304
PDR ADOCK 05000410
S PDR





ALL OF THE POTENTIALLY AFFECTED RECORDERS NOW ARE (AS OF THE FALL OF 1997) NOW EQUIPPED WITH THE NEWER SERVO AMPLIFIER BOARDS. THESE BOARDS HAVE AN INHERENT TIME DELAY THAT ALLOWS THE BOARD TO FUNCTION UNDER TRANSIENT CONDITIONS WITHOUT LOCKING UP. THERE HAVE BEEN NO FURTHER FAILURES (OF THE TYPE DESCRIBED) EXPERIENCED SINCE THE INSTALLATION OF THE NEW BOARDS. THEREFORE, NO FURTHER MAINTENANCE ACTION IS REQUIRED WITH RESPECT TO THESE RECORDERS.

PROCUREMENT PERSONNEL HAVE VERIFIED THAT NONE OF THE OLDER MODEL BOARDS ARE BEING UTILIZED AT NINE MILE POINT UNIT 1 OR ARE BEING MAINTAINED AS SPARES.

RETRACTION ON 03/04/98 @ 1500 EST BY LAMPMAN TAKEN BY MACKINNON

NIAGARA MOHAWK POWER CORPORATION (NMPC) HAS CONCLUDED, BASED UPON FURTHER INVESTIGATION AND TESTING OF THE EARLIER AND LATER REVISIONS OF THE SUBJECT SERVO AMPLIFIER BOARDS, (1) THAT MISOPERATION OF THE OVER-RANGE SHUTDOWN CIRCUIT WAS NOT RESPONSIBLE FOR THE ANOMALY IDENTIFIED IN THE ABOVE NOTIFICATION, AND (2) THAT THE CRITERIA FOR REPORTABILITY UNDER 10 CFR 21 WERE THEREFORE NOT MET. R1DO (RON BELLAMY) AND NRR PCEB (VERN HODGE) WERE NOTIFIED.

NMPC HEREBY RETRACTS ITS FEBRUARY 4, 1998, NOTIFICATION OF A PART 21 REPORTABLE CONDITION INVOLVING THE SUBJECT CIRCUIT BOARDS.



**NIAGARA MOHAWK POWER CORPORATION
INITIAL NOTIFICATION OF PART 21 REPORTABLE DEFECT -
RETRACTION**

PLANT: Nine Mile Point Unit 2 Deficiency/Event Report NO. 2-97-3030
TITLE: RETRACTION OF 10CFR21 NOTIFICATION

On February 4, 1998, Niagara Mohawk Power Corporation (NMPC) notified the NRC via facsimile of a condition involving model N100124N04 servo amplifier boards installed in Westronics chart recorders that was considered to be reportable with respect to 10CFR21. The subject recorders are utilized as RG 1.97 instruments and extensively relied upon during transient or accident conditions. It was believed that the recorders were subject to lock-up under conditions involving rapid step change or manual repositioning of the affected pens due to an over-range shutdown feature of the board. The purpose of this notification is to retract NMPC's earlier facsimile 10CFR21 notification.

NMPC has concluded, based upon further investigation and testing of the earlier and later revisions of the subject servo amplifier boards, (1) that misoperation of the over-range shutdown circuit was not responsible for the anomaly identified in the previous notification, and (2) that the criteria for reportability under 10CFR21 were therefore not met.

NMPC hereby retracts its February 4, 1998, notification of a Part 21 reportable condition involving the subject circuit boards. NMPC regrets any inconvenience that may have been caused by the previous notification.

1500 3/4/98

33650

Service loads

RT notified

