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SUBJECT: Forwards updated page & drawings to rept re electrical design of facility wye pattern globe valves presently being installed.

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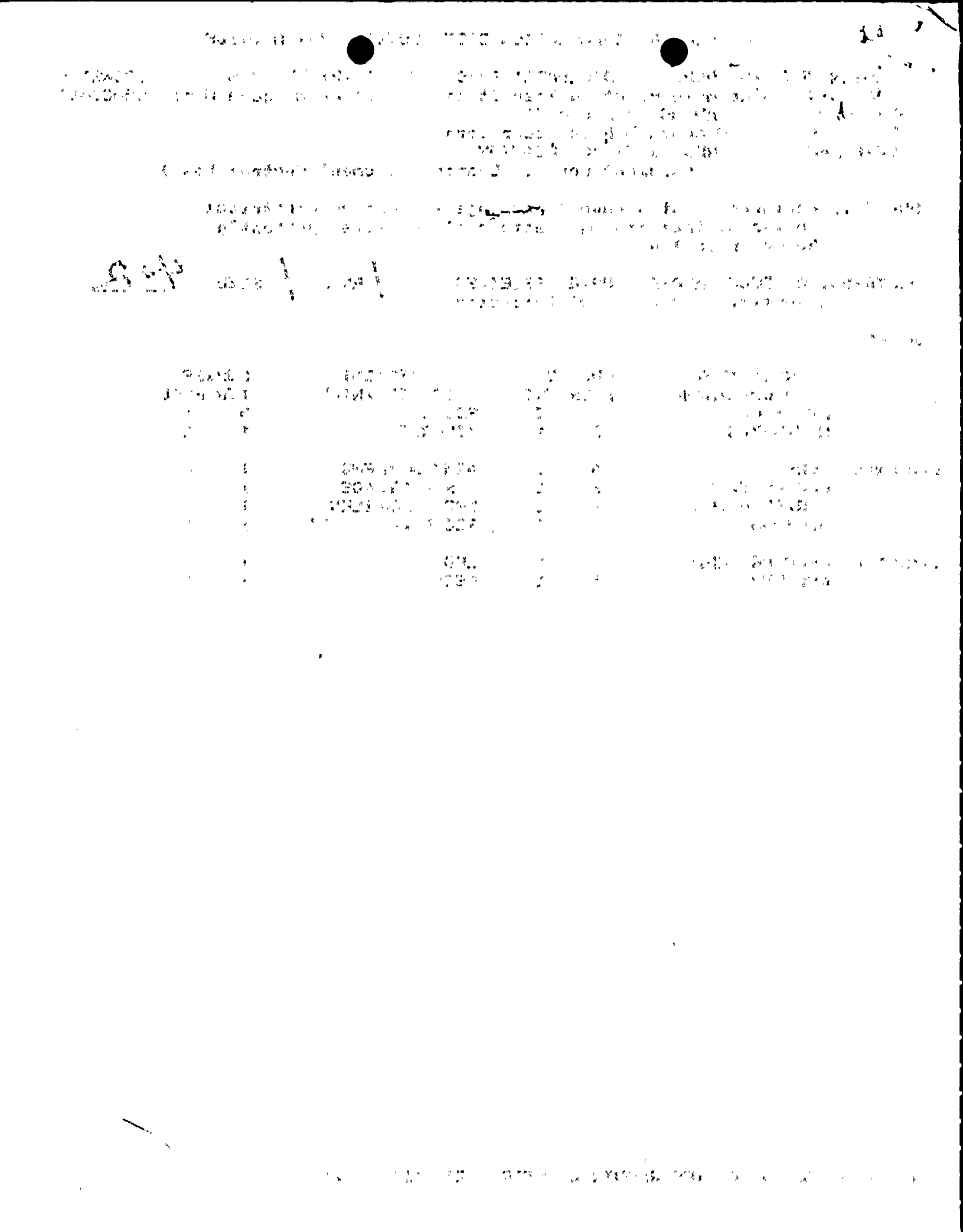

NIAGARA MOHAWK

NIAGARA MOHAWK POWER CORPORATION/301 PLAINFIELD ROAD, SYRACUSE, N.Y. 13212/TELEPHONE (315) 474-1511

April 23, 1987
NMP2L 1026

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Re: Nine Mile Point Unit 2
Docket No. 50-410

Gentlemen:

Enclosed are an updated page and drawings to the report that was provided as an enclosure to my April 7, 1987 letter regarding the electrical design of the Nine Mile Point Unit 2 wye pattern globe valves presently being installed. The updated page and changed drawings reflect the addition of ammeters to monitor main steam isolation valve pilot solenoid valve current.

This enhancement was discussed with the Nuclear Regulatory Commission staff on April 2nd and 22nd, 1987. The ammeters are currently being installed and will be operational prior to initial criticality. If there are any questions, please contact Mr. Zallnick of my staff.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION

C. V. Mangan
Senior Vice President

NLR/lmn
(0901E)

Enclosure

xc: Regional Administrator, Region I
Mr. R. A. Capra, Director
Mr. W. A. Cook, Resident Inspector
Project File

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The air supply systems to the MSIV actuator accumulators on NMP2 is similar to that found on the RBS with the following exceptions.

NMP2 supplies the four inboard MSIV pilot valves and MSIV actuator accumulators with nitrogen gas from the instrument nitrogen system (GSN). The four NMP2 outboard MSIV pilot valves and MSIV actuator accumulators are supplied with air from the reactor building instrument system (IAS). On River Bend, both inboard and outboard main steam isolation valves and MSIV actuator accumulator are supplied from the instrument air system (IAS).

4. Monitoring

Monitoring for NMP2 was described in detail in Section II.5 above. In addition, both RBS and NMP2 utilize ammeters to monitor pilot solenoid valve current. NMP2 monitoring devices are essentially the same as RBS with the following exceptions.

- NMP2 has MSIV status inputs to the off normal status display, while RBS does not.
- NMP2 and RBS both have indicator lights to monitor both MSIV pilot solenoid valves energized.

IV. ELECTRICAL COMPARISON OF NMP2 AND HANFORD (WPPSS UNIT #2)

a. General Description of Control Logic

The NMP2 Nuclear Steam Supply Shutoff System (NS4) functions are initiated when sensor signals, monitoring key parameters, exceed setpoints and de-energize relay control circuits, which initiate closure of the isolation valves. The control circuitry is arranged in dual systems so that a trip must occur in both trip systems to cause a closure of main steam isolation valve. Each trip system contains two independent tripping sensors from each measured variable, only one of which is required to activate a trip system. The trip systems designated A and B are subdivided into logic channels A through D. MSIV logic channels A and C are in trip system A and logic channels B and D are in trip system B.

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of	]	
	]	
Niagara Mohawk Power Corporation	]	Docket No. 50-410
	]	
(Nine Mile Point Unit 2)	]	

AFFIDAVIT

C. V. Mangan, being duly sworn, states that he is Senior Vice President of Niagara Mohawk Power Corporation; that he is authorized on the part of said Corporation to sign and file with the Nuclear Regulatory Commission the documents attached hereto; and that all such documents are true and correct to the best of his knowledge, information and belief.

C V Mangan

Subscribed and sworn to before me, a Notary Public in and for the State of New York and County of Onondaga, this 23rd day of April, 1987.

Mary Frateschi
Notary Public in and for
Onondaga County, New York

My Commission expires:

MARY FRATESCHI
Notary Public in the State of New York
Qualified in Onondaga County No. 4797550
My Commission Expires June 30, 19 89