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 FACIL: 50-410 Nine Mile Point Nuclear Station, Unit 2, Niagara Moha 05000410  
 AUTH. NAME AUTHOR AFFILIATION  
 MANGAN, C. V. Niagara Mohawk Power Corp.  
 RECIP. NAME RECIPIENT AFFILIATION  
 ADENSAM, E. G. BWR Project Directorate 3

SUBJECT: Forwards proposed changes to FSAR, providing clarification & expansion for sections of piping that will not be N5 code-stamped, per R Kirkwood request.

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	ELD/HDS3	1 0	IE FILE	1 1
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	NRR ROE, M. L.	1 1	NRR/DHFT/MTB	1 1
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July 3, 1986  
(NMP2L 0766)

Ms. Elinor G. Adensam, Director  
BWR Project Directorate No. 3  
U.S. Nuclear Regulatory Commission  
7920 Norfolk Avenue  
Washington, DC 20555

Dear Ms. Adensam:

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

Amendment 26 of the Final Safety Analysis Report changed Table 3.2-1 for Nine Mile Point Unit 2 relative to N5 code stamping of certain systems. Attached are proposed changes to the Final Safety Analysis Report which provide a clarification and expansion for those sections of piping which will not be N5 code stamped. This information responds to a request by Mr. R. Kirkwood of your staff.

If you have any questions, please contact Mr. Rademacher.

Very truly yours,

*C. V. Mangan*  
C. V. Mangan  
Senior Vice President

NLR:ja  
1761G

Attachment

xc: R. A. Gramm, NRC Resident Inspector  
Project File (2)

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UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

In the Matter of )  
Niagara Mohawk Power Corporation )  
(Nine Mile Point Unit 2) )

Docket No. 50-410

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 3rd day of July, 1986.

Christine Austin  
Notary Public in and for  
Onondaga County, New York

My Commission expires:

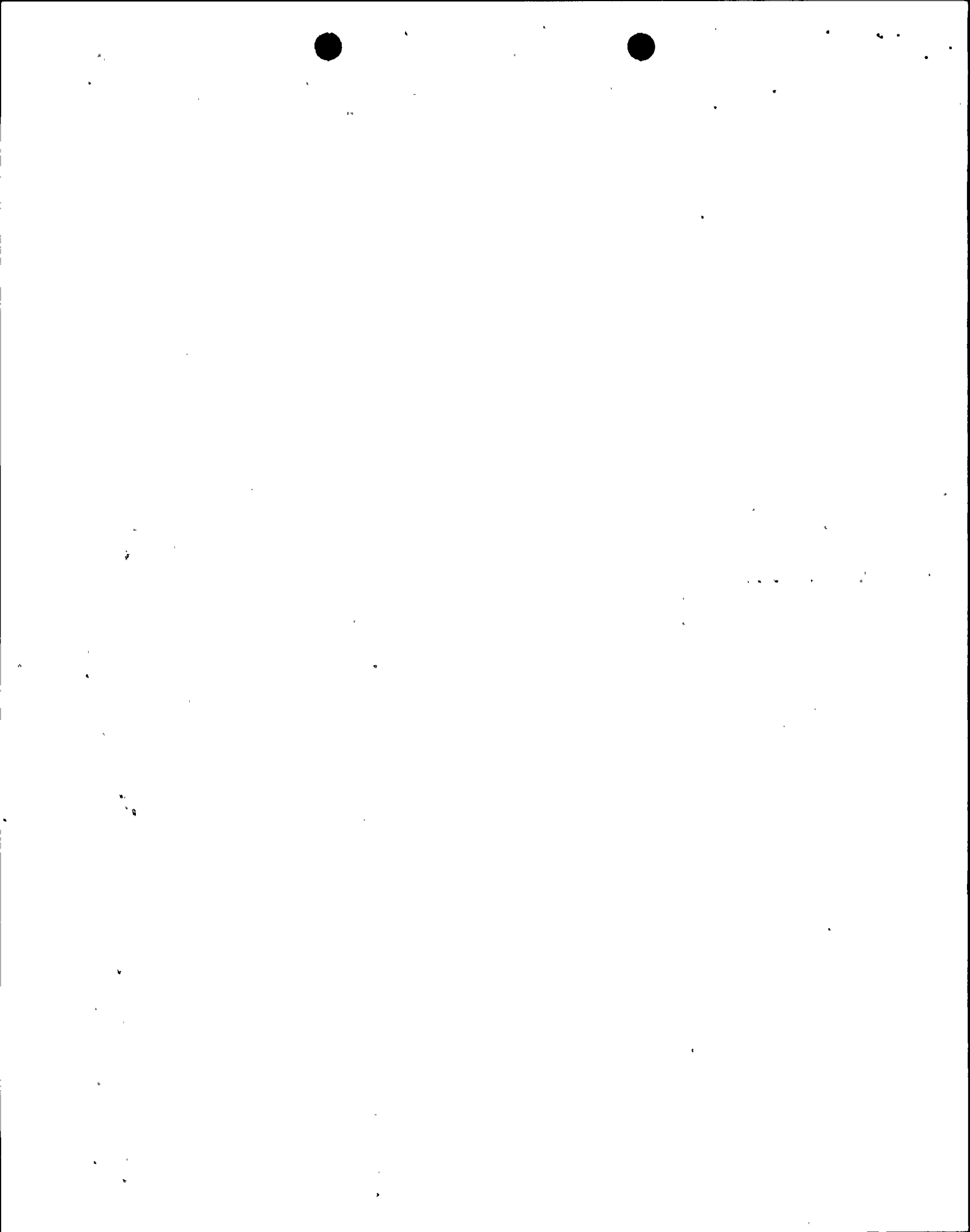
**CHRISTINE AUSTIN**  
Notary Public in the State of New York  
Qualified in Onondaga Co. No. 4787687  
My Commission Expires March 30, 1987

CHRISTINE AUSTIN  
Notary Public in the State of New York  
Qualified in Onondaga Co. No. 478727  
My Commission Expires March 30, 19...

Nine Mile Point Unit 2 PSAR

TABLE 3.2-1 (Cont)

	Scope of Supply	Location	Electrical Classifi- cation	Seismic Category	Quality Group Classifi- cation	Quality Assurance Requirement <sup>31,32,33,34)</sup>	Tornado Protection Notes
<b>HVAC Systems</b>							
Liquid chillers, essential	P	C	1E	I	C	I	P
Liquid chillers, nonessential	P	M	Non-1E	NA	D	NA	NR
Chilled water pumps, piping and accessories, essential	P	C	1E	I	C	I	P
Chilled water pumps, piping and accessories, nonessential	P	M	Non-1E	NA	D	NA	NR
Air conditioning units, essential	P	C	1E	I	C	I	P
Air conditioning units, nonessential	P	C, T, M	Non-1E	NA	D	NA	P, NR
Unit coolers, essential	P	C, RB, P, S	1E	I	C	I	P
Unit coolers, nonessential	P	PC, T, P	Non-1E	NA	D	NA	P, NR
Cooling coils	P	PB, T, W	Non-1E	NA	D	NA	P, NR
Unit heaters, electric	P	RB, C, T, W P, S, N, M	Non-1E	NA	D	NA	P, NR
Hot water heating/glycol piping and specialties	P	RB, T, W	Non-1E	NA	D	NA	P, NR
Heat exchangers, steam to water	P	T	NA	NA	D	NA	NR
Heating coils, essential	P	C	1E	I	NA	I	P
Heating coils, nonessential	P	C, RB, N, M	Non-1E	NA	D	NA	P, NR
Air filters, essential	P	C, M	NA	I	C	I	P
Air filters, nonessential	P	RB, N, T, W, M, P, S	NA	NA	D	NA	P, NR
Fans and motors, essential	P	C, S, M	1E	I	C	I	P
Fans and motors, nonessential	P	C, N, RB, T, P, W, M, S	Non-1E	NA	D	NA	P, NR
Ductwork and accessories, essential	P	C, RB, PC, P, S	1E	I	C	I	P
Ductwork and accessories, nonessential	P	C, RB, PC, P, S, N, T, W, M, O	Non-1E	NA	D	NA	P, NR
<b>Auxiliary AC Power System</b>							
13.8 kV emergency switchgear	P	M, C, RB	1E	I	NA	I	T, P
4.16 kV emergency switchgear	P	M, C, RB	1E	I	NA	I	T, P
600 V emergency load centers	P	M, C, RB	1E	I	NA	I	T, P
600 V emergency motor							





- (41) The Category 1 portion of piping acts as a portion of the ductwork system in the control building ventilation system. Since this is not an ASME piping system, it will not be N-5 code stamped. The ductwork was designed to ASME requirements to ensure a qualified seismically supported duct in excess of the requirements for Category 1 ductwork and to allow installation of valves, in lieu of dampers, to ensure added leak tightness.
- (42) The Category 1 portion of this system is designed to ASME Section III and is an extension of the primary containment, which is not code stamped. This system is nonsafety related and provides no safe shutdown or primary coolant pressure boundary function. These sections of pipe are ASME because they are an extension of the primary containment. The Category 1 pipe spools meet ASME Section III requirements but will not be N-5 code stamped, since the primary containment is not N stamped.
- (43) The ECCS strainers are fabricated to ASME Section III requirements and meet the ASME Section III requirements, except they are not N-5 code stamped. The strainers are not a pressure boundary, and they are attached to the end of the piping within the suppression pool.
- (44) The drywell floor downcomers are fabricated to meet ASME Section III requirements but are not N-5 code stamped. This piping is actually a structural member of the primary containment, which is not code stamped, and therefore, the downcomers need not be N-5 code stamped.
- (45) All essential vendor-supplied skid-mounted piping subassemblies and components are designed, fabricated and tested in accordance with ASME Section III, Class 3 requirements with the following exception: ASME Section III system (N-5) certification is not required. The HPCS diesel generator subsystems are designed ANSI B31 and, therefore, could not be N-5 code stamped. The Division I and Division II diesel generators meet all ASME Section III requirements, except for code stamping. (Refer to Section 430.74 for further information.)
- (46) The following portions of systems are designed, fabricated and installed in accordance with ASME Section III, Class 2 or Class 3 requirements but are not certified on the N-5 Code Data Report. These systems are nonsafety related and perform no safety function to shutdown the reactor and are not part of the primary coolant pressure boundary. These systems are either an extension of the primary containment as noted (see Note 42 above), or these systems are part of the service water intake/discharge structure which is a concrete intake bay.

Extension of the Intake/Discharge Structure is three service water sections of piping. These include:

2SWP-024-01M-3  
2SWP-024-01Y-3  
2SWP-016-61J-3.



These sections have only a small hydrostatic head (less than 10 psi) from the water in the intake/discharge bays, contain isolation valves which are normally closed and perform no safety function except to provide a low pressure boundary for the two bays.

The Nitrogen Purge Line for TIP System has two sections of tubing which are nonsafety related:

2GSN-500-151-2  
2GSN-500-152-2.

These sections are not safety related and perform no safety function, nor are they part of the primary coolant pressure boundary. These pieces of tubing are extensions of the primary containment pressure boundary, and therefore, as described in Note 42 above, need not be N-5 code stamped.

Extension of the Primary Containment Reactor Building Closed Loop Cooling System

The following reactor building closed loop cooling piping system penetrations are nonsafety related and do not provide any reactor coolant pressure boundary but are extensions of the primary containment and need not be N-5 stamped in accordance with Footnote 42 above. These penetrations and pieces of pipe include:

Penetration Z-34B  
2CCP-004-677-2  
2CCP-004-105-2  
2CCP-750-688-2

Penetration Z-33B  
2CCP-004-555-2  
2CCP-750-689-2

Penetration Z-33A

Penetration Z-34A

Penetration Z-46A

Penetration Z-47

Similarly, the Reactor Recirculation Flow Control Hydraulic System, which performs no safety function and is not part of the primary coolant pressure boundary but is part of the primary containment pressure boundary as noted in Footnote 42 above, are also not code stamped. The list of the penetrations follows:

Penetration Z-99A

Penetration Z-99B  
2RCS-001-201-2



U. S. A.

Penetration Z-99C

Penetration Z-99D  
2RCS-001-202-2

Penetration Z-100A

Penetration Z-100B  
2RCS-001-203-2

Penetration Z-100C

Penetration Z-100D  
2RCS-001-204-2

Penetration Z-319-2  
2RCS-750-168-2

