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MANGAN,C.V. Niagara Mohawk Power Corp.
RECIP.NAME RECIPIENT AFFILIATION
THOMPSON,H. Division of Licensing (800428-851124)

SUBJECT: Forwards Amend 22 to FSAR for Nine Mile Point Unit 2 & proprietary "Design Assessment Rept App 6A." Proprietary rept withheld (ref 10CFR2.790).

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NIAGARA MOHAWK

NIAGARA MOHAWK POWER CORPORATION/300 ERIE BOULEVARD WEST, SYRACUSE, N.Y. 13202/TELEPHONE (315) 474-1511

November 20, 1985
(NMP2L 0540)

Mr. Hugh Thompson, Director
Division of Licensing
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Thompson:

Re: Amendment 22 to Application to Operating License
Nine Mile Point Unit 2
Docket No. 50-410

In accordance with 10CFR50.30(c)(1), 10CFR51.24 and your March 29, 1983 letter, enclosed are three originals and 60 copies of Amendment 22 to the Final Safety Analysis Report. These changes incorporate certain responses into the text of the Final Safety Analysis Report. Also included are changes that have resulted from our continuing review of these documents.

In the original submittal of the Final Safety Analysis Report on January 25, 1983, we requested proprietary status for certain figures in Section 6A in accordance with 10CFR2.790. The September 21, 1983 letter from A. Schwencer to G. K. Rhode approved this proprietary status. Amendment 22 contains updates to these figures in Section 6A. These updates are marked proprietary and are being sent under separate cover.

Enclosed is the Summary of Incorporated Changes. This list is to assist the Nuclear Regulatory Commission in reviewing Amendment 22.

Very truly yours,

C. V. Mangan
Senior Vice President

JM:rla
Enclosure
1084G

xc: Project File (2)

B001
3/60 Prop
60 NP

Change: 24X
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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 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.

cvmangan

Subscribed and sworn to before me, a Notary Public in and for the State of New York and County of Onondaga, this 20th day of November, 1985.

Janis M. Macro
Notary Public in and for
Onondaga County, New York

My Commission expires:
JANIS M. MACRO
Notary Public in the State of New York
Qualified in Onondaga County No. 4784555
My Commission Expires March 30, 1987

SUMMARY OF INCORPORATED CHANGES

Legend

R = Response to NRC Question or SER Item

E = Editorial or Typographical change that has not effected basis of FSAR.

N = Nonsafety-related change in design, schedule, and/or procedure.

SN = Change to a safety-related item that has no effect on SER.

SS = Change to safety-related item that has an effect on SER.

Pages	Change Code	Description
Attach 1.10-1, Page 1.10-73i	R	To classify reactor recirculation pump seal purge as essential open item 8(b)
Page 6A.3-25a, Attach 6A.3-1	R	Confirmatory item 13(j) response to staff questions concerning SRV inplant tests (Letter NMP2L 0489 dated 9/16/85)
6A.4-24	R	Confirmatory item 13(c) downcomer loads and to be consistent with NUREG-0808 (Letter NMP2L 0489 dated 9/16/85)
6A.3-17a, 6A.3-17 Fig. 6A.3-43 and 6A.3-44	R	Confirmatory item 13(i) flexible downcomers (Letter NMP2L 0503 dated 9/30/85)
6A.10-4, 6A.10-9, 9a & 9b 6A.10-10 Fig. 6A.10-14 through 6A.10-20	R	Confirmatory item 13(f) suppression pool/SRV (Letter NMP2L 0503 dated 9/30/85)
Q/R F421.13, with Attach 3, 4A, B, C	R	Confirmatory item 20 isolation of circuits (Letter NMP2L 0515 dated 10/17/85)
Fig. 9.5-40a, b, c, and 9.5-42	R	Confirmatory item 40 standby diesel generator system - P&IDs (Letter NMP2L 0507 dated 10/4/85)
2.5-194, 2.5-194a1, 2.5-194a2, 2.5-220 Table 2.5-34, Fig. 2.5-127	R	Confirmatory item 2 revetment ditch quality control data (Letter NMP2L 0497 dated 9/27/85
HC-15, HC-15a	R	Confirmatory item 13(l)

Pages	Change Code	Description
		Humphrey Concerns 8.4 (Letter NMP2L 0489 dated 9/16/85)
2.3-8, 8a, 8b, 8c	R	Open item 1 address staff comments on snow loads (Letter NMP2L 0473 dated 8/23/85)
5.2-28a	R	Open item 3 input to ISI commitment extent of examination
Q/R F271.10	R	Update response to be consistent with PSI/ISI plan Appendix D
RAI 270.4 through 270.14*	R	Response to staff questions concerning equipment qualification (Letters NMP2L 0514 dated 10/17/85 and NMP2L 0518 dated 10/28/85)
6A.3-7, 6A.3-9, Table 6A.3-18 Fig. 6A.3-5 Fig. 6A.3-6	R	Response to NRC letter dated March 4, 1985 concerning SRV discharge line geometry
3.10B-1 through 3.10B-7, Table 3.10B-2, Fig. 3.10B-1 through 3.10B-4	R	Open item 4(a) seismic qualification
Q/R F640.08-1	R	Staff request on Regulatory Guide 1.108 (Letter NMP2L 0528 dated 11/8/85)
Q/R F640.11-1 and 2	R	Clarification of previous response (Letter NMP2L 0528

*Note: RAI 270.4 through 270.14 were originally transmitted from NRC to NMPC as RAI 270.1 through 270.11 (letter dated July 8, 1985)

Pages	Change Code	Description
		dated 11/8/85)
Q/R F640.13-1	R	Clarification for scheduled verification of emergency heat removal rates (Letter NMP2L 0528 dated 11/8/85)
Q/R F640.19-1	R	Clarification for calibration of radiation detection and monitoring devices (Letter NMP2L 0528 dated 11/8/85)
Q/R F640.34-3, 34-5, 34-6, and Attachment 640.34-1 (Question 2 Page 3 of 3)	R	Clarification of testing of various systems at various plant phases (Letter NMP2L 0528 dated 11/8/85)
Q/R F640.35-1	R	Update of test schedule (Letter NMP2L 0528 dated 11/8/85)
Table 2.2-8	E	To correct typo
Table 2.5-50	E	Correction for accuracy
3.8-73a	E	Editorial correction
Table 6.3-4	E	To correct typo's
6.4-5 and 9.4-3	E	Text and Table 9.4-1 agreement
8.3-5	E	To correctly identify reactor recirculation pumps and clarify wording
9.1-3a	E	To correct text relative to material for new fuel vault covers
Table 9.4-2	E	To correct table to agree with text

Pages	Change Code	Description
9.4-27	E	Reference clarification of compliance with NUREG-0660
Appendix 9B, Section 9B.6 and 9B.9	E	Editorial
Table 9B.8-1 Pages 5, 62 through 66, 69, 71 and 72 of 75	E	Editorial
13.1-2	E	To correct typo
Q/R F480.25-1	E	Correction for reference accuracy (Letter NMP2L 0528 dated 11/8/85)
Q/R F640.22-1	E	Correction for reference accuracy (Letter NMP2L 0528 dated 11/8/85)
Q/R F640.1-1	E	Correction for accuracy (Letter NMP2L 0524 dated 10/30/85)
Table 14.2-1 pages 1 through 6, Table 14.2-2 through Table 14.2-43, Table 14.2-44 through 110, Table 14.2-112 through 132, Table 14.2-201 through 209, Table 14.2-211 through 14.2-216a, Table 14.2-217 through 14.2-241b, Table 14.2-242 through 14.2-245, Table 14.2-301 through 14.2-305, Table 14.2-401	E	Editorial (Letter NMP2L 0524 dated 10/30/85)

Pages	Change Code	Description
through 14.2-403, Fig. 14.2-2, 14.2-4, 14.2-6, 14.2-233-1, 14.2-236-1		
9.3-23	N	Design update of flow discharge into storm drainage system
Fig. 9.3-5a through 9.3-5h, 9.3-5j and 9.3-5k	N	Design update of process sampling system P&IDs
9.3-25 through 9.3-28, Fig. 9.3-10a through 9.3-10h and 9.3-10j	N	Design update of turbine building drains P&IDs and text
9.4-33 through 9.4-38 and Table 9.4-4	N	Update of the radwaste building HVAC description to be consistent with design documents
9.4-42	N	Update of turbine building HVAC test procedure to be consistent with design specification
Table 1.8-1 Page 64, 84, 102 and 102a of 169	N	Clarification of text (Letter NMP2L 0524 dated 10/30/85)
Pages 14.2-1 through 14.2-38	N	Update to make FSAR consistent with plant procedures, organization and testing (Letter NMP2L 0524 dated 10/30/85)
9.4-9	SN	Design update to

Pages	Change Code	Description
		reflect as-built air intakes for control building
Table 9.4-1	SN	Update of design for remote shutdown rooms
17.1-40 and 17.1-40a	SN	Update of control program relative to ratio of accuracy from M&TE to plant equipment
Table 3.7A-3 through 3.7A-9 Fig. 3.7A-3 through 3.7A-17	SN	Update of seismic analysis for reactor building and control building
Fig. 2.5-154 and and 2.5-155	SN	Design update for flood control berm
3.8-27	SN	Update primary containment penetrations design pressure testing relative to ASME III Code Edition dates
Table 3.10A-1	SN	Update of essential component for metal clad switchgear 4160 V
6.1-5, Table 6.1-3, Pages 3.8-17b, 3.8-18, Attachment 1.9-41	SN	Identification update of protective coatings design
6A.4-25	SN	Design verification
9.2-3, 9.2-8, 9.2-9, 9.2-10,	SN	Update service water system P&IDs and text

Pages	Change Code	Description
9.2-42, 9.2-43, Fig. 9.2-1a through 9.2-1h, 9.2-1j, 9.2-1k, 9.2-1l, 9.2-1m, 9.2-1n, 9.2-1p, and 9.2-1q		Update FSAR to agree with ECN's for service water system
9.3-22, 9.3-25 through 9.3-29	SN	Update controls provided for manual operation of various building sump pumps
Fig. 9.3-1a through 9.3-1h, 9.3-1j and 9.3-1k	SN	System update instrument and service air P&IDs
9.4-3, 9.4-50, 9.4-49 Fig. 9.4-15a	SN	Update diesel generator building HVAC system P&IDs and text
3.8-25b	SS	Procedure update, liquid penetrant vs visual examination for downcomer embedment plate weld
3.8-51, 3.8-73 and Table 3.9A-15	SS	Visual weld acceptance criteria (Letter NMP2L 0492 dated 9/18/85)
9.5-25 and 9A.3-47	SS	Update fire protection for diesel generator and charcoal filters
Table 3.9A-15	SS	Use of compression fittings in Category I instrumentation lines and pressure boundary testing
Table 5.2-1	SS	Update of NSSS Code cases and

Pages	Change Code	Description
		addition of Code Case N-392-Class 2 and 3 pipe supports
Fig 13.1-5, Table 13.1-5, Pages 13.5-1 through 13.5-7, Table 13.5-2 and 13.5-3, Appendix A Table 13.5-4 through 13.5-7	SS	Update descriptions of plant procedures for: • Site Organization • Shift Crew Positions • Administrative • Equipment Control • Modifications of Procedures • Surveillance Testing • Logbook • Operating and Maintenance • Control Room • Emergency • Security
Table 15.0-1, 15.0-3, Page 15.1-2, 15.1-4, 15.1-5, 15.1-11 Table 15.1-1, 15.1-3, 15.1-4, Page 15.2-5, 15.2-6 15.2-10, 15.2-15, 15.2-16, 15.2-21 15.2-22, 15.2-28, 15.2-29, 15.2-32, 15.2-32a Table 15.2-5, 15.2-9, 15.2-11, 15.2-13 Fig. 15.2-3, 15.2-4, 15.2-10, 15.2-11 Page 15.3-4, 15.3-7, 15.3-10 Table 15.3-1, 15.3-4 Page 15.4-2, 15.4-3, 15.4-7 15.4-12, 15.4-13, 15.4-15, 15.4-16, 15.4-21 Table 15.4-3, 15.4-4, 15.4-9 Fig. 15.4-1, 15.4-2,	SS	To make FSAR consistent with plant events under confirmation and verification program

Pages	Change Code	Description
Page 15.6-16 Table 15.6-21		
Attach 1.10-1, Pages 1.10-73f, 1.10-73h, 1.10-73j, 1.10-73l, 1.10-73m 1.10-73i	SS	Update FSAR to incorporate changes from containment isolation dependability study Reference NUREG-0737
Table 3.9B-2*	SS	Update of new loads
9B.4-1 through 9B.4-8 Fig. 9B.4-1 and 9B.4-2	SS	Revised systems used for safe shutdown based on Appendix R audit

*Table 3.9B-2a pg. 1 of 3 thru 3 of 3
2b
2c
2d
2e
2f pg. 1 of 4 thru 4 of 4
2g
2h pg. 1 of 4 thru 4 of 4
2i pg. 1 of 4 thru 4 of 4
2+ pg. 2 of 3, 3 of 3