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MONGAN,C.V. Niagara Mohawk Power Corp.
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VASSALLO,D.B. Operating Reactors Branch 2

SUBJECT: Requests schedule extension until 850701 in order to submit expanded final summary rept for detailed control room design review program plan.Program completion schedule encl.

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

December 12, 1984

Director of Nuclear Reactor Regulation
Attention: Mr. Domenic B. Vassallo, Chief
Operating Reactors Branch No. 2
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Re: Nine Mile Point Unit 1
Docket No. 50-220
DPR-63

Subject: Request for Schedule Extension in Order to Submit an Expanded Final Summary Report for the Detailed Control Room Design Review

Dear Mr. Vassallo:

In the Nine Mile Point Unit 1 Detailed Control Room Design Review Program Plan submittal of September 30, 1983, Niagara Mohawk Power Corporation scheduled the submittal of a summary report on the program by January 1, 1985. In your letter of June 12, 1984, this schedule was confirmed. However, in a recent Nuclear Regulatory Commission audit of this Detailed Control Room Design Review (DCRDR) Program by the Human Factors Engineering Branch and consultants, it became clear that there had been a number of developments in the program that carried it beyond the level of detail and development originally envisioned at this point in the schedule.

For example, during the assessment/resolution process on Human Engineering Observations/Discrepancies, there were a significant number of cosmetic changes proposed that appeared to be of a generic nature. As part of the risk/impact tradeoff considerations built-into the assessment/resolution process (which is also considered to be an element of our verification program), the assessment/resolution team was concerned about a consistently applied convention of generic cosmetics for the entire control room. Further, even though individual operators were participating in the team deliberations, there was also concern about the consensus of shift operator reaction to these changes as a package. Thus, this team soon decided to consolidate Human Engineering Observations/Discrepancies of this type into an integrated cosmetics package. A separate follow-on review of the control room will be carried out with these generic changes which:

1) Establishes the Human Factors Design Manual as the basic criteria for applying consistent human factors conventions to the control room,

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2) Develops an integrated package of changes based on these criteria,

3) Reviews the entire package to be sure that undue clutter or some other problem is not created in the control room as a whole, and

4) Gives the shift operators a chance to see the cosmetics package and work with it on the simulator before the changes are made to the Control Room.

In recommending this program for an integrated cosmetics package, the assessment/resolution team pointed out that final details may include changes based on criteria involving operating distinctions, which would go beyond those needed to satisfy human factors criteria. For example, particular kinds of color coding would be reserved for parameters that the operators need to focus on continually. To use color coding everywhere would lose such a distinction. Thus, while it is clear that fixes for the applicable Human Engineering Observations/Discrepancies will be carried out and that they will be of a particular category, the final details remain to be developed.

Other major tasks to be carried out in the near future include a more detailed review of the fire panel, the process computer and those items identified by the Nuclear Regulatory Commission audit. These are shown in the attached Completion Schedule, which is being used internally for planning purposes.

In view of the proactive and dynamic nature of these completion and implementation activities, it was concluded during the aforementioned audit that the Nuclear Regulatory Commission would particularly benefit from these follow-on details and developments. That is, it would be most helpful to the Nuclear Regulatory Commission if Niagara Mohawk would go beyond the usual generalized scope and schedule of changes in the Summary Report to give a clearer understanding about the details of these changes as they were derived from the program's follow-on activities. It also appeared to be worthwhile to avoid the usual major report supplement with back-end details, even though the results from our program can now be well characterized.

Accordingly, Niagara Mohawk Power Corporation requests an extension of the above mentioned commitment to July 1, 1985. This extension is needed to submit an expanded final summary report. Consistent with the above example, this will also result in a more definitive description of our preimplementation verification activities, per the definition in your comment letter of February 22, 1984.

Sincerely,

NIAGARA MOHAWK POWER CORPORATION

C. V. Mangan
Vice President
Nuclear Engineering and Licensing

JLB/bd

ATTACHMENT

NMP-1 DCRDR PROGRAM COMPLETION SCHEDULE

Tasks	Target Completion
Firepanel	
° Review	Feb 85
° HEO/HED Assessment	Mar 85
Process Computer	
° Review	Feb 85
° HEO/HED Assessment	Mar 85
HF Manual	
° Develop operating criteria	Feb 85
° Draft	Mar 85
° Final	Apr 85
° Revise Engr. Procedures	June 85
Integrated Cosmetics Package	
° Develop draft (integrate HED's)	Mar 85
° Install on simulator	Mar 85
° Obtain operator review	May 85
° Prepare Final version	May 85
° Iterate appropriate HEO/HED's	June 85
NRC Issues	
° Complete risk justifications	Dec 84
° Develop implementation specifics (details, verifications, dates)	(see below)
° Complete task analysis	Dec 84
° Complete Review Verification	Dec 84
° Conduct RSP environ. review	Jan 85
° Complete CR environ. review	Jan 85
° Complete remaining HEO/HED assess.	Mar 85
Implementation/Interaction Program	
° Nail down NMPC study specifics	Feb 85
CR H&V	
Paging system	
Recorder refurbishment	
Others	

NMP-1 DCRDR PROGRAM COMPLETION SCHEDULE (continued)

Tasks	Target Completion
Implementation/Interaction Program (cont'd)	
° Obtain management review	
Complete team prioritization of fixes	Feb 85
Initial package	Feb 85
Follow-on and final	June 85
° Establish modifications schedules	
Initial package	Mar 85
Follow-on	July 85
° Incorporate interactions with other programs	
EOP's	May 85
SPDS	June 85
Training	June 85
NMP-2	Ongoing
Other issues	Ongoing
Plant mods/ISAP	July 85
NRC Communications	
° Establish expanded final report submittal date	Dec 84
° Issue audit summary	Dec 84
° Incorporate audit findings	Mar 85
° Issue expanded final report	
Draft review work	Dec 84
Draft initial program findings	Feb 85
Complete draft	June 85
Issue final version	July 85