

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 Office of Nuclear Reactor Regulation, Director

SUBJECT: Advises of inability to meet 820630 deadline for environ
 qualification of electrical equipment required by NRC 801024
 order for mod of license. Outstanding equipment, current plans
 & completion schedule provided.

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 TITLE: Equipment Qualification (OR & PRE-OL)

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May 14, 1982

Director
Office of Nuclear Reactor Regulation
U S Nuclear Regulatory Commission
Washington, DC 20555

MONTICELLO NUCLEAR GENERATING PLANT
Docket No. 50-263 License No. DPR-22

Status of Environmental Qualification of Electrical Equipment

On October 24, 1980 the Commission issued an Order for Modification of License with Technical Specification changes requiring that by June 30, 1982 all safety-related electrical equipment be qualified in accordance with the provisions of the Division of Operating Reactors "Guidelines for Evaluating Environmental Qualification of Class IE Electrical Equipment in Operating Reactors," (DOR Guidelines) or NUREG-0588, "Interim Staff Position on Environmental Qualification of Safety-Related Electrical Equipment," December, 1979. It is now clear that the June 30, 1982 date cannot be met for all equipment by the great majority of licensees with operating nuclear plants. We understand rule making is currently in progress at the Commission intended to grant relief from the June 30, 1982 completion date and that Technical Specifications will be revised accordingly prior to that date. The purpose of this letter is to describe our planned course of action in the event that this process is not completed prior to June 30, 1982. We believe we should have on record a summary of equipment which will not be qualified by that date and our plans and schedule for qualifying this equipment.

Attached is a summary of the equipment which will not be qualified by June 30, 1982 and, where possible, our current plans and schedule for completing this work. Please contact us if you have any questions related to this information.

L O Mayer, PE
Manager of Nuclear Support Services

LOM/bd

cc: Regional Administrator-III, NRC
NRR Project Manager, NRC
Resident Inspector, NRC
G Charnoff

Attachment

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MONTICELLO NUCLEAR GENERATING PLANT

ELECTRICAL EQUIPMENT ENVIRONMENTAL QUALIFICATION DEFICIENCIES
JUNE 30, 1982

1. DISPLAY INSTRUMENT TRANSMITTER REPLACEMENT

Transmitters have been received. Design work is in progress, however the conduit entry seal requires procurement of more material. Due to the extensive wiring charges required in the control room panels, the work should be done during an outage (currently planned for fall, 1982 outage). See attached list for affected instruments.

2. PRESSURE/TEMPERATURE SWITCH REPLACEMENT

Qualified switches will be available from ASCO in about 3 months. We are getting ready to begin procurement. Switches should be available by the fall 1982 outage.

Affected switches: PS 10-105A-D RHR pump ADS permissive
PS 7192, 7193 RHR aux AC control
TS 3368, 3369 SBTG Heater cutout

3. SBGT FLOW CONTROL SYSTEM COMPONENTS

EDS is currently evaluating whether the auto flow control feature can be deleted without adverse consequences. If it can, this would be accomplished during the fall, 1982 outage.

Affected components: FT 2942, 2943 SBTG flow
E/P 2942, 2943 SBTG flow control valve

4. TORUS WATER TEMPERATURE THERMOCOUPLE TE 2995 F,G

Will be replaced with new SPOTMOS system, scheduled for the fall, 1982 outage.

5. SAMUEL MOORE INSTRUMENT CABLE

Will be replaced when new transmitters are installed. (This cable is used only for the transmitters in Item #1).

6. MAGNETROL TORUS LEVEL SWITCHES LS 23-91A, B

Request for proposal for qualified replacements sent to Magnetrol 3/5/82. Installation schedule indeterminate at this time due to possible long delivery time.

7. LIMITORQUE VALVE ACTUATORS

Additional work such as replacement or modification of actuators may be necessary depending upon the results of analysis and evaluation currently in progress at EDS.

Director of NRR
May 14, 1982
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8. ASCO SOLENOID VALVES

Qualified valves are on site. They will be installed at the next refueling outage (September, 1982).

9. NAMCO LIMIT SWITCHES

Qualified switches are expected to arrive on site in June, 1982. They will be installed at the next refueling outage (September, 1982).

10. RELIANCE MOTORS FOR V-AC-4,5,6, 8A, & 8B

Qualified motors are on order. They are not expected to arrive before June 30, 1982. They will be installed on receipt.

11. RELIANCE MOTOR FOR SGBT AUXILIARY AIR COMPRESSOR

A qualified motor is on order. It is not expected to arrive before June 30, 1982. It will be installed on receipt.

12. MIRCRO SWITCH LIMIT SWITCHES FOR AO-2377-2381, AO-2383, 2386, 2387, 2896

These switches have only recently been identified as needing replacement. Qualified switches are available. The valve manufacturer is investigating required indicator cam and mounting modifications. Switches will be installed when the required modifications have been finalized.

13. RHR AUXILIARY COMPRESSOR MOTORS

These units will be relocated to the Recirc MG Set Room during the next refueling outage (September, 1982).

14. RHR AUXILIARY COMPRESSOR STARTERS AND DISCONNECTS

These units will be relocated to the Recir MG Set Room during the next refueling outage (September, 1982).

15. SBGT CONTRACTORS AND DISCONNECTS

Replacement qualified equipment is being investigated. Relocation to the EFT Building now under construction may be required. Relocation would take place after December, 1982.

16. SBGT AUXILIARY AIR COMPRESSOR LINE SWITCH

A qualified replacement is not available. This component is not actually required and will be removed from the system in conjunction with other modification work.

17. GENERAL ELECTRIC CABLE (SI 58081)

This cable will be tested. Testing will be completed by late 1982 at the earliest.

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18. GENERAL ELECTRIC HPCI AND RCIC 250 VOC MCC's

These MCC's will be tested. Testing will be completed by late 1982 at the earliest.

19. GENERAL ELECTRIC 480 VAC MCC's 142, 143A, and 143B

Isolation of these MCC's has been recommended. This will involve significant construction work. No specific schedule is available at this time.

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DISPLAY INSTRUMENTATION
SUBJECT TO HARSH ENVIRONMENTS

| <u>SYSTEM</u> | <u>PLANT ID</u> | <u>INDICATION FUNCTION</u> |
|---------------|-----------------|--|
| NBVI | LITS 2-3-59A,B | Reactor Vessel Level |
| NBVI | LT 2-3-61 | Reactor Vessel Level |
| NBVI | LITS 2-3-73A,B | Reactor Vessel Level |
| NBVI | PT 6-53A,B | Reactor Vessel Pressure |
| HRH | FT 10-109A,B | LPCI Flow |
| RHR | FT 10-111A,B | Containment Cooling Flow |
| RHR | DPT 10-91A,B | RHR Heat Exchanger Shell to Tube Diff, Pressure |
| Core Spray | FT 14-40A,B | Core Spray Loop Flow |
| HPCI | FT 23-82 | HPCI Pump Flow |
| Containment | PT 2994B | Torus Narrow Range Pressure |
| Containment | PT 7348 | Drywell Wide Range Pressure |

These transmitters will be replaced.