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Docket
50.249

JUN 28 1979

MEMORANDUM FOR: B. Grimes, Assistant Director for Systems and Engineering, Division of Operating Reactors

FROM: G. Lainas, Chief, Plant Systems Branch, Division of Operating Reactors

SUBJECT: STATUS OF PSB REVIEWS IN CONNECTION WITH LICENSEE'S RESPONSES TO IE BULLETIN 79-01

IE Bulletin 79-01 requires that all licensees review the environmental qualification of electrical equipment installed in their plants and report the results to the NRC within 120 days of receipt of the Bulletin. The bulletin further requires that any items of equipment found to be unqualified must be reported to the Director of the Division of Operating Reactors within 24 hours. If plant operation is to continue with the unqualified equipment, a safety basis must be included in the 24 hour report. The purpose of this memorandum is to provide you with the status of our reviews in connection with the 24 hour notifications received to date.

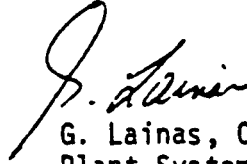
There have been 19 separate reports of equipment which the licensees believe may not be qualified to perform its safety function in an accident environment. Each of these reports was reviewed by PSB and a determination was made as to whether the proposed resolution, including the bases for continued operation, where appropriate, was acceptable. These determinations were made in consultation with the DOR Project Managers and where necessary additional information was requested via telephone and telecopy from the licensees. A summary of the status of all these reviews is provided in Enclosure 1.

With the exception of item 4 of Enclosure 1, all our reviews are complete and we have achieved a satisfactory resolution with the licensees. In the case of item 4 (stem mounted limit switches on MSIV's at Browns Ferry Units 1, 2 & 3), TVA does not propose to replace the unqualified limit switches. While we do not believe that there is any immediate hazard to the health and safety of the public we do believe that several conditions must be satisfied if the switches are not replaced. These conditions are set forth in our memorandum to T. Ippolito dated June 6, 1979 (see Enclosure 2).

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MEMO

As the licensee reviews required in connection with IE Bulletin 79-01 continue, we expect to receive additional reports of equipment considered to be unqualified for its accident environment. We will evaluate these reports immediately and update Enclosure 1 at appropriate intervals.



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Enclosures:

As stated

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Status of DOR Reviews
In Connection With IE Bulletin 79-01
24 Hour Notifications

Plant Name	Unqualified Equipment Reported	Date of 24 hr Notification	Date of 14 Day Detailed Report	Status of DOR Review
1. Indian Point Unit 3	NAMCO Model EA-700 stem mounted limit switches on valves in the following systems: a. High Head Safety Injection System - Hot Leg Injection (Indication) b. Containment Pressure Relief (Control and Indication) c. Containment Purge (Control and Indication)	2/14/79	2/16/79	Complete - Continued operation is justified on the basis of redundant position indication, redundant equipment not exposed to the accident environment and administrative procedures in effect until the switches can be replaced. The switches will be replaced as soon as a replacement is available at an outage of sufficient duration.
2. Vermont Yankee	NAMCO Model SL-3CM-7L and SL-3C-11L stem mounted limit switches on main steam isolation valves which provide position indication and input to the RPS.	2/14/79 4/4/79 letter reports replacement switches were unqualified.	2/28/79	Complete - Continued operation is justified on the basis of redundant position indication and the fact that the RPS is not required for the time being. The switches will be replaced at the next scheduled outage in March, 1979.
3. Cooper	NAMCO Model 3LSML stem mounted limit switches on main steam isolation valves which provide position indication and input to the RPS	2/21/79	2/21/79	Complete - Continued operation justified on the same basis as Vermont Yankee. The limit switches will be replaced at the next refueling outage scheduled for April 1979.

ENCLOSURE]

Status of DOR Reviews
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Plant Name	Unqualified Equipment Reported	Date of 24 hr. Notification	Date of 14 Day Detailed Report	Status of DOR Review
4. Browns Ferry Units 1, 2 & 3	NAMCO Model SL3-B2W stem mounted limit switches on main steam isolation valves which provide position indication and input to the RPS.	2/23/79	3/9/79	Incomplete - Continued operation justified on the same basis as Vermont Yankee. The licensee does <u>not</u> propose to replace the limit switches on the basis that they are not required to function in a LOCA environment. DOR review is continuing
5. Indian Point Unit 2	NAMCO Model EA-170 stem mounted limit switches on valves in the containment pressure relief and containment purge systems (Control and Indication).	2/27/79	Not required an earlier report was provided 3/23/79	Complete - Continued operation is justified on the same basis as Indian Point Unit 3. The limit switches will be replaced during the refueling outage scheduled for the summer of 1979.
6. Fort Calhoun	NAMCO Model D2400X limit switches on 18 different containment isolation valves (position indication only). Also later informed in letter dated 3/29/79 that the following additional switches were unqualified: NAMCO D200G 13x2 - 26 switches Fisher Type 704 14x2 - 28 switches	2/16/79	3/28/79 LER 3/29/79 letter 5/6/79 letter	Incomplete - Continued operation is justified since ^{also} not used as in ^{initiation} circuits. Out switches will be replaced during next refueling outage. ^{related} position can be affected. The DOR next is waiting the licensee's decision on whether to replace the switches. ^{per LER}

Status of DOR Reviews
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Plant Name	Unqualified Equipment Reported	Date of 24 hr. Notification	Date of 14 Day Detailed Report	Status of DOR Review
7. Salem Units 1 & 2	The licensee reported several types of equipment without qualification documentation (NAMCO limit switches, Instrument Panels, Air operated solenoids, and Transmitters). Only the NAMCO Model D2400X limit switches on containment isolation valves were declared unqualified. These limit switches are in control and position indication circuits.	3/6/79	None planned	Complete - Since only the limit switches were declared unqualified continued operation is justified on the same basis as Indian Point Unit 3. All of the equipment identified including the unqualified limit switches will be replaced at the first refueling shutdown the first week in April, 1979.
8. Millstone 2 (Make Lower X27475)	The licensee has identified 26 valves with stem-mounted limit switches that they say "may not be suitable for service in the LOCA environment." No function of these switches was not identified.	3/23/79	4/6/79	Incomplete - valves with stem-mounted limit switches will be replaced at the first refueling shutdown. All but 14 valves are scheduled for restart. The balance will be replaced by 5/15/79. The 14 valves are in service. The licensee is in SER for completion of first refueling shutdown. The licensee is in SER for completion of first refueling shutdown. The licensee is in SER for completion of first refueling shutdown.
9. Browns Ferry Units 1, 2, 3	Motor operators for Main steam Line Drain and RHR Head spray isolation valves.	3/13/79	3/27/79	Incomplete - the motor operators will lock valves in the closed position (i.e. closed) until the motor operators are replaced. The licensee is in SER for completion of first refueling shutdown. The licensee is in SER for completion of first refueling shutdown. The licensee is in SER for completion of first refueling shutdown. The licensee is in SER for completion of first refueling shutdown. The licensee is in SER for completion of first refueling shutdown.

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Plant Name	Unqualified Equipment Reported	Date of 24 hr Notification	Date of 14 Day Detailed Report	Status of DOR Review
16. Surry Unit 1	ASCO solenoid pilot valve model No. 8320A102 used for inside containment isolation valves on steam generator blowdown lines.	5/23/79	N/A	Incomplete - A ^{licensee} licensee ^{will be} licensee's ^{responsible for} commitment to replace the ^{valves} valves ^{will be} replaced ^{replaced} before restart. ^{Values will be replaced} Values will be replaced ^{before} before ^{current outage or basis} current outage or basis for complete ^{replacement} replacement without replacing the valves.
17. Brunswick Units 1 & 2	AMP special Industries control and instrumentation cable terminal lugs	5/25/79 Verbal 5/29/79 Ltr	6/6/79	Incomplete - The units are now shutdown. The basis for continued operation will be provided prior to restart. ^{Conf Lic.} Conf Lic. ^{has} has ^{verified} verified that terminations will not fail even if the lugs become totally uninsulated in an accident enviro. Continued operation is justified on this basis. A fully qualified method of insulating the terminations will be implemented at next restart.
18. Hatch Unit 1	Stein mounted limit switches on MSIV providing input to the RPS	6/13/79 Verbal		Incomplete - The unit is now shutdown. The basis for continued operation will be provided prior to restart.
19. Dresden Units 2 & 3	Limit switches on testable check valves in the core spray system. NAMCO SL2-C-11	LER 79-9/OT-0 5/24/79	N/A	Complete - The unqualified switches are only associated with the test actuator. No ^{mode} mode ^{of} of ^{the} the ^{switches} switches ^{could} could ^{impair} impair ^{the} the ^{safety} safety ^{function} function of the check valve. No corrective measures are required.