

This design change will allow the operators to power the SUF pump from the on-site emergency power supply without having to physically move a circuit breaker from bus 4 to bus E5. Should an occasion ever arise where it is necessary to power the SUF pump from the on-site emergency power supply, only the following evolutions need be performed:

1. Dispatch an operator to the Switchgear Room,
2. Rack out the circuit breaker on bus 4,
3. Operate the selector switch on bus 4 to the "bus E5" position, and
4. Rack in the circuit breaker on bus E5.

The Control Room operator then has control of the SUF pump which will be powered by the emergency diesel generator.

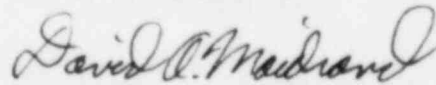
Because the Switchgear Rooms are located only two floors below the Control Room, are in the same building as the Control Room, and as such, see essentially the same environment and are immediately accessible via a stairwell directly outside both the Control Room and the Switchgear Room, the entire evolution described above is expected to take approximately five minutes to accomplish.

2. Valves FW-V163 and FW-V156, which permit the SUF pump to supply steam generator feedwater via the EFW supply header, will be equipped with electrical motor operators. These MOVs will be powered by the same on-site emergency power source as the SUF pump and will be controlled from the main control board.

This design change will permit re-alignment of the SUF pump discharge to the EFW discharge header without requiring manual operator action outside the Control Room.

It is hoped that the above information will assist your Staff in their evaluation of the Seabrook Station Emergency Feedwater System and preparation of the Safety Evaluation Report. If further information is necessary, please feel free to contact us.

Very truly yours,



J. DeVincentis
Project Manager

JDV/fsf

cc: Mr. Robert Jaross, Argonne National Laboratories
Atomic Safety and Licensing Board Service List

November 30, 1982
SBN-392
T. F. H.4.4.98
B.7.1.2

United States Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Mr. George W. Knighton, Chief
Licensing Branch No. 3
Division of Licensing

References: (a) Construction Permits CPPR-135 and CPPR-136, Docket
Nos. 50-443 and 50-444
(b) PSNH Letter, dated August 27, 1982, "Reliability Analysis
of the Emergency Feedwater System", J. DeVincentis to
F. J. Miraglia
(c) PSNH Letter, dated September 7, 1982, "Seabrook Station
Emergency Feedwater System Design Changes", J. DeVincentis
to F. J. Miraglia

Subject: Additional Design Changes to the Seabrook Station Emergency
Feedwater System

Dear Sir:

During the Staff review of the Seabrook Station Emergency Feedwater System (EFW), a number of design changes have been recommended and are presently being implemented. These changes were based on the review of the Emergency Feedwater System Reliability Analysis [Reference (b)] and were described in Reference (c). Further review has revealed additional modifications which will enhance the availability and reliability of the EFW System.

The following describes additional design changes which are being implemented relative to the Seabrook EFW System. These design changes will be incorporated into a revision of the Final Safety Analysis Report when the final details are established.

1. An additional circuit breaker for the Startup Feedwater Pump, FW-P-113, will be purchased and installed in the alternate electrical supply cubicle on the emergency electrical bus E5. This circuit breaker will be in addition to the normal circuit breaker installed on non-emergency bus 4. Suitable interlocks will be provided to prevent inadvertent closure of both breakers at any time.

Boo!

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