



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SEPTEMBER 24 1980

Docket Nos. 50-277
and 50-278

Mr. Edward G. Bauer, Jr.
Vice President and General Counsel
Philadelphia Electric Company
2301 Market Street
Philadelphia, Pennsylvania 19101

Dear Mr. Bauer:

By our letter dated August 7, 1978, we informed you of deficiencies we identified in the design of the Hatch 2 regulator system for the motor generator (M-G) sets which supply power to the reactor protection system (RPS). In general, the problem involved the possibility of the M-G producing power which was of a quality (High/low outage, etc.) that could be outside that for which the RPS has been demonstrated to be acceptable. Specifically, the deficiencies involved:

- (1) Potential sequence of undetected single component failures which could adversely affect the operability of the RPS; and
- (2) Postulated component malfunctions initiated by a seismic event which could adversely affect the operability of the RPS.

Our letter requested that you review your RPS power supply to determine if your system was susceptible to the same adverse possibilities that the staff had identified for Hatch 2.

We have found that the conceptual design proposed by the General Electric Company and the installed modification of Hatch 1 are acceptable solutions to our concern.

By your letters dated October 5, 1978 and June 13, 1980, you committed to modify the power supply for the RPS at your facility. We believe this modification should be implemented by the end of the next refueling outage. Should this scheduled outage occur within the next six months, the modifications should be accomplished by the end of the subsequent refueling outage. We will perform a post-implementation review of your modification and will require appropriate Technical Specifications.

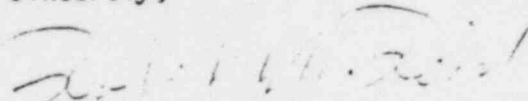
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Mr. Edward G. Bauer

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We request that you provide within 60 days of your receipt of this letter: your (1) schedule for completion of the modification and (2) schedule for submission of design information and proposed Technical Specifications.

Sincerely,



Robert W. Reid, Chief
Operating Reactors Branch #4
Division of Licensing

cc: See next page

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