



Portland General Electric Company

Bart D. Withers Vice President

November 14, 1985

Trojan Nuclear Plant
Docket 50-344
License NPF-1

Mr. Hugh Thompson, Director
Division of Licensing
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington DC 20555

Dear Mr. Thompson:

NUREG-0737 TMI Action Plan Item III.D.3.4

On February 12, 1985, we informed you of problems we were experiencing with the ammonia detectors which we are installing in response to NUREG-0737, Item III.D.3.4. Since that time, we have had the vendor representative onsite on several occasions and have performed system modifications in an effort to correct problems with the detectors. For approximately four weeks, the detectors appeared to be operating satisfactorily with the exception that on several occasions they experienced spurious high levels and alarms. The result has been the inadvertent isolation of the control room ventilation system when it has been confirmed that no ammonia is present.

After that four-week period, it became increasingly more difficult to calibrate the detectors, and now the calibration is no longer repeatable. Consequently, both detectors have been taken out of service.

The ammonia detector vendor is providing new detector heads in an attempt to resolve the problems. We intend to install the new heads and observe their operation over a 30- to 60-day period. Subsequent action will be based on the operability of the detectors over this period. We will keep you informed of our progress on this issue.

Sincerely,

Bart D. Withers
Vice President
Nuclear

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c: Mr. Lynn Frank, Director
State of Oregon
Department of Energy

Mr. John B. Martin
Regional Administrator, Region V
U.S. Nuclear Regulatory Commission

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