

BOSTON EDISON

Pilgrim Nuclear Power Station
 Rocky Hill Road
 Plymouth, Massachusetts 02360

January 9, 1991

George W. Davis
 Senior Vice President - Nuclear

BEC0 91-002

U. S. Nuclear Regulatory Commission
 Document Control Desk
 Washington, D. C. 20555

License DPR-35
 Docket 50-293

POST ACCIDENT SAMPLING SYSTEM VALVE QUALIFICATION

Boston Edison Company (BEC0) letter 90-100 dated August 18, 1990 identified to the NRC a potential problem concerning the ability of containment isolation valve MO-1001-50 to support its 30 day Post Accident Sampling System (PASS) mission. This finding resulted from a BECO review of Pilgrim's PASS that indicated MO-1001-50 met its designed isolation function in support of containment integrity, but could not be demonstrated environmentally qualified to operate for 30 days due to postulated post accident radiation dose rates.

To address this issue, BECO has selected an alternative flow path for obtaining PASS samples that satisfies the 30 day sampling requirement of NUREG 0737, Item II.B.3. The new flow path takes a sample through either jet pump #15 (Train "A") or jet pump #5 (Train "B") of the recirculation system. Differential pressure between the reactor and suppression chamber (torus) establishes a flow from the jet pump sample point through the sample station to the torus. Valve MO-1001-50 is not required to accomplish this flow path and no further action on the valve is required. This alternative sample flow path permits post accident sampling for 30 days or more. We will verify the viability of this alternative sample path under shutdown conditions during RFO #3.


 G. W. Davis

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cc: Mr. R. Eaton, Project Manager
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation
Mail Stop: 14D1
U. S. Nuclear Regulatory Commission
1 White Flint North
11555 Rockville Pike
Rockville, MD 20852

U. S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406

Senior NPC Resident Inspector
Pilgrim Nuclear Power Station