



BOSTON EDISON COMPANY  
PILGRIM NUCLEAR POWER STATION

DOCKET NO.: 50-293  
ATTACHMENT TO LER - 79-027/01T-0

It has been determined that the pinhole leak in the CRD return line originated in the root weld between the 3" SS manual isolation valve (3G1-99) and the 3" CS-160 pipe. This crack migrated circumferentially through the crown weld and longitudinally into the pipe. The valve and piping were removed for radiographing and repair. During the examination it was decided to postpone replacement of the valve until the 1980 refueling outage and to install a section of 3" CS-160 pipe in its place.

A Plant Design Change Request (PDCR) was initiated, a Safety Evaluation performed by the Engineering Department and the section of pipe installed. The purpose of the manual isolation valve was to both provide a convenient means of isolating the CRD return line for Local Leak Rate testing and operational purposes. Replacing this valve with a straight run of pipe will not affect system operation and performance.

Non-destructive testing was successfully performed and the system returned to service.

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