

POWER LEVEL - 000%. AT 1020 HOURS ON JANUARY 3, 1986, DURING THE PERFORMANCE OF OPERATIONS SURVEILLANCE OPS-76, 'ANNUAL LOCKED VALVE BOOK VERIFICATION,' OPERATIONS PERSONNEL DISCOVERED THAT CONTAINMENT ISOLATION VALVE DW-V-139 WAS OPEN. DW-V-139 IS THE INSIDE CONTAINMENT ISOLATION VALVE FOR THE DEMINERALIZED SERVICE WATER SYSTEM AND WAS WIRED AND SEALED CLOSED PRIOR TO THE TMI-2 ACCIDENT. THIS VALVE WAS LAST VERIFIED TO BE CLOSED ON DECEMBER 1, 1978, AND HAD BEEN INACCESSIBLE DUE TO ALARA CONDITIONS SINCE THE TMI-2 ACCIDENT. THUS, DW-V-139 IS BELIEVED TO HAVE BEEN OPENED BETWEEN DECEMBER 1, 1978, AND MARCH 28, 1979, I.E., THE DATE OF THE TMI-2 ACCIDENT; HOWEVER, THE ROOT CAUSE AS TO THE OPENING OF DW-V-139 CANNOT BE IDENTIFIED. SINCE THE TMI-2 PRE-ACCIDENT TECH SPECS SPECIFICALLY REQUIRED DW-V-139 TO BE SECURED CLOSED, THIS EVENT IS CONSIDERED TO BE REPORTABLE PURSUANT TO 10 CFR 50.73(A)(2)(I)(B) DUE TO A CONDITION PROHIBITED BY THE PLANT'S TECH SPECS. UPON DISCOVERY OF THIS EVENT, DW-V-139 WAS LOCKED CLOSED. AS A PRECAUTIONARY MEASURE, TMI-2 WILL MAINTAIN DOUBLE VALVE ISOLATION OUTSIDE CONTAINMENT, WHERE PRACTICAL, FOR THOSE PENETRATIONS WHERE THE INSIDE CONTAINMENT ISOLATION VALVE IS INACCESSIBLE DUE TO ALARA CONDITIONS. THIS LER IS SIMILAR IN NATURE TO LER 85-09.

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