

MRP Categories
Generic Implications of Davis-Besse
RPV Head Corrosion
March 27, 2002 (Revision 0)

The MRP has developed acceptance criteria relative to the amount of 'bare-metal' inspection that has been done and the degree to which above head leakage has been managed. The following describe those criteria:

Category 1: The plant has performed a 100% bare metal visual inspection of their RPV head and the region above the head at their most recent outage. The inspection indicates no boric acid was present on the head and none is present above the head. With this result, no further action is required, otherwise proceed to Category 2. (Findings of incidental dry boric acid are within the definition of no boric acid was present. Such findings should be pursued to ensure they are not indications of active boric acid sources.)

Category 2: During the Category 1 inspections, boric acid accumulations were detected, removed by the plant, and the affected areas of the RPV head inspected. The source of boric acid was determined and corrected. With this result no further action is required, otherwise proceed to Category 3.

Category 3: Inspections of the head outer surface were limited or not able to be performed, but plant history and the inspections above the head covered all credible sources and show no evidence of leakage. Accumulation of boric acid on the head is not possible without a source. With this result, no further action is required, otherwise proceed to Category 4.

Category 4: Inspections of the head outer surface were limited or not able to be performed, inspections above the head indicate boric acid leakage but that leakage has been managed by the plant such that none reached the outer surface of the head or the affected area of the head has been cleaned and inspected. With this result, no further action is required, otherwise proceed to Other.

Other: Inspections of the head outer surface were limited or not able to be performed, inspections above the head indicate boric acid leakage and that leakage may have accumulated on the outer surface of the head; OR, for some reason, a plant does not specifically fit in any one of Categories 1 – 4.