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June 25, 1999

SVP-99-103

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

Quad Cities Nuclear Power Station, Units 1 and 2
Facility Operating License Nos. DPR-29 and DPR-30
NRC Docket Nos. 50-254 and 50-265

Subject: Results of Reactor Vessel Head Closure Stud Cumulative Fatigue
Usage Factor Evaluation

- References: (1) Letter (SVP-99-062) from J. P. Dimmette, Jr. (ComEd) to
USNRC, "Revision to Schedule for Analytically Demonstrating
Predicted Reactor Vessel Head Closure Stud Cumulative Usage
Factor," dated March 31, 1999. 1/0
- (2) Letter (DSB-99029) from D. S. Braden (GE) to ComEd, "RPV
Closure Stud Fatigue Usage Reduction Final Report GENE-B13-
02010-00-30, Revision 0," dated May 20, 1999. AW

The purpose of this letter is to inform the NRC of the results of the subject evaluation as committed to in Reference (1). The evaluation consisted of analytically demonstrating that the Cumulative Fatigue Usage Factor (CFUF) for the reactor vessel head closure studs will remain below 1.0 for the remainder of the current license period.

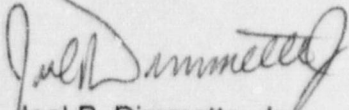
The results of the evaluation show the CFUF to be 0.73 for both Units 1 and 2 at the end of the current forty-year life (2012). This value for fatigue usage is well below the allowable CFUF limit of 1.0 established in the ASME Section III Code, and, as a result, justifies at least forty years of operation. Further conservatism could be removed from the evaluation to support plant life extension, if needed.

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Should you have any questions concerning this letter, please contact Mr. W.J. Beck at
(309) 654-2241, extension 3100.

Respectfully,



Joel P. Dimmette, Jr.
Site Vice President
Quad Cities Nuclear Power Station

cc: Regional Administrator – NRC Region III
NRC Senior Resident Inspector – Quad Cities Nuclear Power Station