



Washington Public Power Supply System
A JOINT OPERATING AGENCY

Central File

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July 10, 1979
G02-79-124

Docket No. 50-397

Mr. R. H. Engelken, Director
U. S. Nuclear Regulatory Commission
Region V
Suite 202, Walnut Creek Plaza
1990 N. California Boulevard
Walnut Creek, California 94596



Subject: WPPSS NUCLEAR PROJECT NO. 2
RESPONSE TO IE BULLETIN 79-02, REV. 1

Dear Mr. Engelken:

The attached report is submitted in response to the subject IE Bulletin for WNP-2.

WPPSS has an on-going program of re-evaluation, inspection and testing of WNP-2 expansion anchor bolt designs and installations. This program has included redirection of future work procedures and inspection where necessary.

Evaluations of typical expansion bolt assemblies analyzed and tested to date indicate that:

1. Any differences in insert loading due to rigid plate assumptions are minimal and within margins of conservatism inherent in design specifications.
2. Factors of safety between bolt design loads and ultimate static capacities are greater than four.
3. Preloading of inserts by torquing assures capability of expansion bolt assemblies to carry loads without fatigue failure.

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4. Reverification of insert installation to assure compliance with requirements of design has been actively pursued at WNP-2 for several months. Information requested by this IE Bulletin requires an expansion of the existing program; additional inspections, sampling, and analysis will be performed.

A supplemental report will be submitted in First Quarter 1980 at the completion of work schedules presented in the detailed report of this response.

Attachment 2 entitled "Evaluation of Drilled-In Concrete Anchors" provides the results of tests conducted to date at the WNP-2 site. This report is referenced in Attachment 1 (Reference 3, Page 22).

Very truly yours,

LT Harold Fox /
D L Renberger

D. L. RENBERGER
Assistant Director-Technology

DLR:LDN:ct

Attachment

cc: JJ Verderber, B&R
JJ Byrnes, B&R
RC Root, B&R (Site)
CR Bryant, BPA
JG Davis, NRC (Washington D.C.)
GT Harper, B&R (Site)