

MEMORANDUM TO: File Center

November 15, 1999

FROM: Richard B. Ennis, Project Manager, Section 2 ORIG SIGNED BY
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

SUBJECT: HOPE CREEK GENERATING STATION, FACSIMILE TRANSMISSION,
ISSUES TO BE DISCUSSED IN AN UPCOMING CONFERENCE CALL,
(TAC NO. MA7020)

The attached information was transmitted by facsimile on November 4, 1999, to Mr. Charles Manges of Public Service Electric & Gas Company (PSE&G or the licensee). This information was transmitted to facilitate an upcoming conference call in order to clarify the licensee's submittal dated September 1, 1999, which provided revised information to be included in the Reactor Vessel Integrity Database (RVID) for the Hope Creek Generating Station. This memorandum and the attachment do not convey a formal request for information or represent an NRC staff position.

Docket No. 50-354

Attachment: Issues for Discussion in Upcoming Telephone Conference

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PDR A Dock

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

November 15, 1999

MEMORANDUM TO: File Center

FROM: Richard B. Ennis, Project Manager, Section 2
Project Directorate I
Division of Licensing Project Management
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A handwritten signature in dark ink, appearing to read "RBE", written over the printed name of Richard B. Ennis.

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Attachment: Issues for Discussion in Upcoming Telephone Conference

Issues for Discussion in Upcoming Telephone Conference
Related to PSE&G Submittal dated September 1, 1999
Reactor Vessel Integrity Database (RVID) Revisions

PSE&G's letter LR-N990395 dated September 1, 1999, provided General Electric (GE) Report GE-NE-523-A164-1294R1 in response to the NRC's recommendation to review Version 2 of the Reactor Vessel Integrity Database (RVID) for the Hope Creek Generating Station (reference NRC letter dated July 14, 1999, related to closure of TAC No. MA1194 for Generic Letter 92-01, Revision 1, Supplement 1). As stated in your letter, the GE report provides the information necessary to update the RVID for Hope Creek. The NRC staff would like to discuss the following items related to the GE report:

- 1) Although it isn't specifically noted in your letter, it appears that the information regarding the evaluation of the Hope Creek reactor pressure vessel (RPV) materials that is necessary to update the RVID is contained in Tables 7-2 and 7-3 of the GE report. Are there any other portions of the GE report that contain information that would affect the RPV materials' integrity assessment in the RVID?
- (2) Confirm that the RPV fluence values cited in this report correspond to the RPV fluence values which are the basis of the current RPV pressure versus temperature (P-T) limit curves.
- (3) Confirm that there are three materials represented in Table 7-2 which are not currently listed in the RVID: the two LPCI nozzle (forgings?) (i.e., heat numbers 19468/1 and 10024/1), and girth weld 4/5 (i.e., heat number 510-01205). Confirm that the rest of the information in the table just updates the information for materials already listed in the RVID.
- (4) Based on our understanding of the nomenclature used in the GE report, it appears that all of the D53040 weld materials are from the same heat of weld wire. It has been the staff's position that a single best-estimate chemistry value which considers all of the available chemistry data for a specific weld wire heat is the appropriate way of assigning a chemistry value to the RPV welds. The report cites four welds which use D53040 and the (copper, nickel) chemistry values are the same for three of them (0.08, 0.59) and different for the fourth (0.10, 0.68). Please explain why the chemistry values are different for the D53040 weld materials.
- (5) In Table 7-3, please clarify whether "Initial Transverse USE" is referring to the "weak direction" (i.e., the T-L orientation from ASTM Standard E399) or the "strong direction" (i.e., the L-T orientation from E399).

Attachment