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 FACIL: 50-275 Diablo Canyon Nuclear Power Plant, Unit 1, Pacific Gas
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 ENGELKEN, R.H. Region 5, Office of Director

SUBJECT: Forwards Section 4.1.3 of Mar 1983 independent design verification program. Semimonthly report. Section discusses utility interface w/ Westinghouse. Util/vendor interface includes appropriate controls for transfer of design info.

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March 28, 1983
5511-303

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Subject: IDVP Final Report - Section 4.1.3, PG&E Interface with NSSS
Supplies

Gentlemen:

The subject material is enclosed.

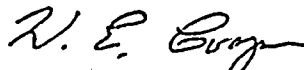
The March 1983 IDVP Semimonthly Report proposed an outline for the IDVP Final Report and states that certain reports related to the three-step licensing process and required at an early date would be issued consistent with that proposed format.

This letter transmits the first such section. It is an IDVP objective to prepare and transmit this material as it is developed. We would expect to provide an appropriate binder and introductory section during the next few weeks. When this is done, we will include any sections transmitted previous to the transmittal of the binder.

This section is typical of what we expect to be the content of the IDVP Final Report, although atypical with respect to length because of the limited scope. In each section we will state the effort required by the NRC-approved progress plans, summarize how that effort was undertaken, reference the Interim Technical Reports (ITRs) which provide detailed information, and state an IDVP conclusion based upon our verification efforts.

Very truly yours,

TELEDYNE ENGINEERING SERVICES



William E. Cooper
Project Manager - 5511

WEC:cjr
Enclosure

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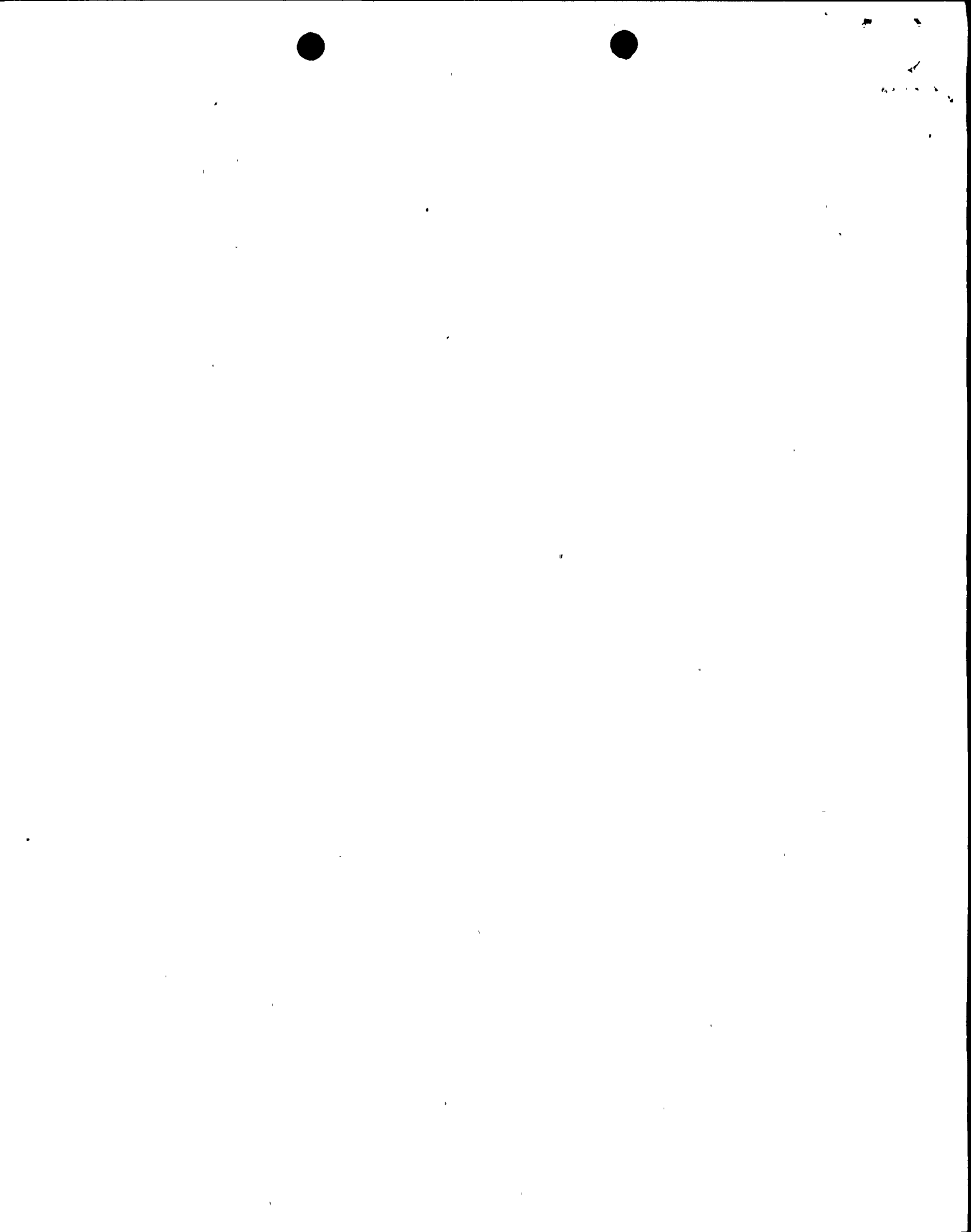


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4.1.3 PG&E Interface with NSSS Supplier

The IDVP verification of the NSSS (Westinghouse) - PG&E design interface constitutes one of the requirements listed in NRC Policy Issue SECY-82-414 to support the first step of a three-step licensing process for the DCNPP Unit 1, mainly the restoration of Facility License No. DPD-76 with conditions which would grant immediate authority to load fuel and conduct cold system testing. The IDVP verification of the NSSS - PG&E design interface was accomplished in both the IDVP Phase I and Phase II Programs.

The Phase I Engineering Program Plan, 8.0, required verification of the interface between PG&E and the NSSS vendor for transmittal of Hosgri spectra and, on a sampling basis, verification that the applicable spectra were actually used for qualification. To accomplish this task, the IDVP performed an in-house audit at the Westinghouse offices in Monroeville, PA. The results of the Phase I audit are presented in ITR-11, Revision 0, "PG&E - Westinghouse Seismic Review," dated November 2, 1982. The IDVP confirmed that during DCNPP-1 construction: (1) the transfer of the correct Hosgri seismic spectra from PG&E to Westinghouse was accomplished through numbered correspondence between consistent interface personnel; and, (2) Westinghouse correctly implemented the Hosgri data in their qualification and evaluation process. However, the spectra revisions resulting from the DCP Corrective Action Program affect this original qualification. The development, control, and implementation of these revised spectra is reported in 4.3 of this report. With respect to the PG&E - NSSS interface, the IDVP has reviewed transmittal receipt forms to verify that the NSSS vendor is receiving the revised spectra in a controlled manner.



In the Phase II Program, the auxiliary feedwater (AFW) system was selected because its design represents an interrelationship of several design criteria and interfaces, including an interface with the NSSS vendor. The IDVP review recognized the interface between PG&E and Westinghouse and confirmed that Westinghouse used the correct PG&E calculated AFW system design parameters in their accident analysis. In addition, the IDVP performed independent calculations to verify that condensate storage tank capacity (primary AFW supply) and required AFW flow rates were met. The results of this effort are presented in ITR-22, "Verification of the Mechanical/Nuclear Portion of the Auxiliary Feedwater System."

Based upon the work summarized herein, the IDVP has verified that the PG&E - NSSS vendor interface included appropriate controls for the transfer of design information and that the NSSS vendor used the applicable information.



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