



TORREY PINES TECHNOLOGY

PO Box 85008
San Diego, California 92138
Telephone: (619) 455 2054

A Division of GA Technologies Inc.

April 5, 1983
Project 2474
TPT:CG&E-004

50-358

Mr. W. H. Dickhoner
President and Chief Executive Officer
Cincinnati Gas and Electric Company
139 East Fourth Street
Cincinnati, Ohio 45202

Reference: Letter, J. G. Keppler - NRC, to W. H. Dickhoner,
April 4, 1983.

Dear Mr. Dickhoner:

Following are our answers to the questions raised in the Reference.

1. GA Technologies Inc. is a wholly-owned subsidiary of Gulf Oil Corporation. Bechtel Power Corporation is not an owner of record of Gulf stock. Gulf has no way of knowing whether Bechtel family members own Gulf stock. However, the ownership of Gulf stock by all individuals named "Bechtel" is less than one-half of one percent.
2. There have been no contacts between TPT or any division of GA Technologies and Bechtel on the Zimmer Project. Engineering services provided to Bechtel for the past three years are described in the Attachment.
3. None of the key TPT personnel identified in the March 7, 1983 submittal have performed work on the Bechtel contracts listed on the Attachment. Several of the key personnel did participate in the independent design reviews performed for Southern California Edison and Arizona Public Service on San Onofre and Palo Verde, respectively. Although Bechtel was the AE on each of those nuclear power plants, no work was performed directly for Bechtel. As TPT identifies additional professional personnel to be assigned to the review, any information concerning prior contacts with Bechtel will be provided.

DESIGNATED ORIGINAL

Certified By L. E. Spedden

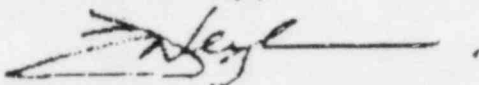
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4. Each TPT/GA professional assigned to the Zimmer review will file sworn statements addressing the five independence criteria referenced as they relate to Bechtel, i.e., Bechtel will be added to the list of companies identified on the example statement transmitted with my letter dated March 18, 1983 (TPT:CG&E-001).

If you have any questions concerning these responses, please contact me at (619) 455-2580.

Sincerely,



A. J. Neylan
Project Manager

Attachment

Copy w/Attachment

Mr. J. G. Keppler	-	NRC
Mr. R. F. Warnick	-	NRC
Mr. J. A. Venneman	-	CG&E

3/83

BECHTEL REVENUES TO GA TECHNOLOGIES

The following revenues were received by GA Technologies for engineering services provided to Bechtel. Equipment and hardware sales are not included in this tabulation. Job shopping revenues were derived by individual GA Technologies personnel working in Bechtel offices under direction of Bechtel supervisors. A description of services provided for specific nuclear plant projects is indicated on the attached page. No engineering service revenues were received by GA Technologies from Bechtel prior to 1980. None of the work for Bechtel related to the Zimmer project.

BECHTEL REVENUES - \$K

<u>Service Area</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>
Job Shoppers	1657	2649	1019
Human Factors Projects	115	212	398
Equipment Qualification Projects	109	679	48
Piping & Shielding Projects	153	233	-
Fusion Technology Contract			179
LMFBR Fuel Facility (DOE)		158	762
Total Bechtel Services	2034	3931	2406
Bechtel Revenues as a percent of total GA revenues	1	3	2

TPT SERVICES PROVIDED TO BECHTEL

<u>PLANT NAME</u>	<u>SERVICES PROVIDED</u>
Palo Verde	Plans and schedules Human factors-control room Piping stress Equipment qualification Structural design Design report preparation
Korea Nuclear 5, 6, 7 & 8	Control room review (NUREG 0578) Piping stress analysis Preparation of design reports Seismic equipment qualification review Structural design I&C review and revision
Rancho Seco	High energy piping Control room design Electric room design Radwaste filter modification Seismic qualification review
San Onofre	Seismic qualification review Startup probability Licensing Environmental equipment qualification Plans and schedules Emergency planning
A. Vogtle	Piping stress analysis Seismic equipment qualification Shielding/nuclear sampling Response to NRC standards Pressure/temperature containment analysis I&C-effluent-radiation monitoring
Haanshan 1 & 2	Project engineering coordination High energy piping TMI review Bid evaluation Radiation analysis Process system design Seismic equipment qualification review Pressure/temperature containment analysis
Kuosheng 1 & 2	Seismic qualification review