

The Light company

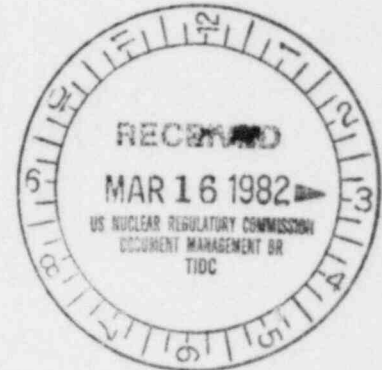
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March 15, 1982
ST-HL-AE-803
SFN: V-0100

Mr. Robert L. Tedesco
Assistant Director for Licensing
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Tedesco:

South Texas Project
Units 1 & 2
Docket Nos. STN 50-498, STN 50-499
Ebasco Qualifications Summary



Attached is a summary of Ebasco Services, Incorporated (Ebasco) nuclear power plant experience including a listing of projects for which Ebasco has served as architect-engineer, consulting engineer, constructor or construction manager. Your letter of February 12, 1982 requested additional information relative to the constructor at the South Texas Project (STP). The information relative to Quality Assurance matters has been submitted under a separate cover letter. The attached summary completes our response to your request for additional information of February 12, 1982.

Very truly yours,

J. H. Goldberg
Vice President
Nuclear Engineering and Construction

MEP/blt
Attachment

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Houston Lighting & Power Company

cc:

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Revision Date 2-22-82

Summary of Ebasco's Nuclear Power Plant Experience

Construction Service

Ebasco has more than 20 years of experience in the design, engineering and/or construction of nuclear plants in the United States and world-wide. These plants, which have a total capacity in excess of 18,000 megawatts, are listed in Table 1. This tabulation shows that Ebasco has performed a variety of functions (i.e., architect-engineer, consulting engineering, constructor, and construction manager) either singly or in combination. Ebasco was the constructor or construction manager at 17 nuclear units, 6 of which are PWR's.

Ebasco has served as architect-engineer for 5 nuclear units at which construction services were performed by other organizations; and has provided construction services at one unit (Ft. St. Vrain Project) to another architect-engineer's design.

Ebasco has specific experience in the take-over of construction management activities at the Laguna Verde project, where work had been started by others.

Ebasco's current PWR experience involves the performance of construction services at St. Lucie Unit No. 2, Waterford Unit No. 3, and WPPSS No. 3.

It should be noted that Table 1 lists the primary construction function performed by Ebasco (Construction Management or Constructor). In cases such as Waterford 3, full scope Construction Management services are provided by Ebasco. In addition selected construction services are also provided.

Quality Assurance

Ebasco's Quality Assurance Program for nuclear power plants has evolved over many years of experience in the nuclear industry. The Program has been formalized and documented in a Topical Report, ETR-1001, Rev. 10A, which has been approved by the Nuclear Regulatory Commission (NRC) for incorporation into docket by reference. The Program is implemented by organization individuals who are qualified to the requirements of applicable NRC Regulatory Guides, Codes and ANSI Standards. Compliance with the Program requirements is assured through Quality Assurance (QA) Management and project audits.

TABLE 1
SUMMARY OF EBASCO NUCLEAR POWER PLANTS (COMPLETED OR UNDER CONSTRUCTION) EXPERIENCE

PLANT NAME	NO. UNITS	UTILITY	TYPE OF PLANT	RATING (MWE)	EBASCO RESPONSIBILITY (see Note 3)	DATE OF OPERATION
Angra Dos Reis	1	Furnas-Centraís Electricas SA	PWR(W)	650	CE	12-78
WPPSS 3 & 5 (note 1)	2	Washington Public Power Supply System	PWR(CE)	1300 each	AE,CM	6-85
PNPP-1	1	Philippine National Power Corp	PWR(W)	600	CE	1982
Laguna Verde	2	Comision Federal de Electricidad	BWR(GE)	675 each	AE,CM	1983/84
Shearon Harris 1, 2, 3, 4 (note 2)	4	Carolina Power & Light Company	PWR(W)	960 each	AE	6-84, 6-87
Waterford 3	1	Louisiana Power & Light Company	PWR(CE)	1165	AE,CM	10-82
Tokai 2, Japan	1	Japan Atomic Power Company	BWR(GE)	1100	AE	8-78
Fukushima 6, Japan	1	Tokyo Electric Power Company	BWR(GE)	1100	AE	1-80
Chin Shan 1 & 2 Taiwan	2	Taiwan Power Company	BWR(GE)	636 each	AE,CM	4-78, 4-79
Fukushima 3 & 4 Japan	2	Tokyo Electric Power Company	BWR(GE)	760 each	CE	12-74, 8-78
Shimane, Japan	1	Chukogo Electric Power Company	BWR(GE)	460	CE	6-74
St. Lucie 1 & 2	2	Florida Power & Light Company	PWR(CE)	800 each	AE,C	6-76, 11-82

Note 1: WPPSS #5 has been cancelled.

Note 2: Shearon Harris No. 3 & 4 have been cancelled.

Note 3:
C = Constructor
CE = Consulting Engineer
CM = Construction Manager
AE = Architect-Engineer

TABLE 1 (Continued)
SUMMARY OF EBASCO NUCLEAR POWER PLANTS (COMPLETED OR UNDER CONSTRUCTION) EXPERIENCE

PLANT NAME	NO. UNITS	UTILITY	TYPE OF PLANT	RATING (MWE)	EBASCO RESPONSIBILITY (see Note 3)	DATE OF OPERATION
Fukushima 2	1	Tokyo Electric Power Company	BWR(GE)	780	AE	73
Fort St. Vrain	1	Public Service Company of Colorado	HTGR(GGA)	342	C	12-76
Vermont Yankee	1	Vermont Yankee Nuclear Power Corp	BWR(GE)	540	AE,C	10-72
H P Robinson 2	1	Carolina Power & Light Company	PWR(W)	772	AE,C	3-71
Millstone 1	1	Northeast Utilities	BWR(GE)	682	AE,C	12-70
Fukushima 1, Japan	1	Tokyo Electric Power Company	BWR(GE)	380	AE	10-70
Isuruga, Japan	1	Japan Atom. Power Company	BWR(GE)	357	AE,CM	9-70
Santa Maria de Garona, Spain	1	Centrales Nucleor Del Norte, SA	BWR(GE)	460	AE,CM	8-69
Carigliano, Italy	1	Ente Nazionale per L'Energia Elettrica	BWR(GE)	164	AE,CM	5-64
Tokai 1, Japan	1	JAERI	BWR(GE)	12.5	AE,C	8-63