



ARKANSAS POWER & LIGHT COMPANY
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May 19, 1978

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Bechtel Power Corporation
San Francisco Power Division
P. O. Box 3965
San Francisco, California 94119

ARKANSAS POWER & LIGHT CO.
TECH. & ENGR. SERVICES

Attention: Mr. E. H. Smith
Project Engineer

Subject: Arkansas Nuclear One-Unit 2
Computer Aids Used by Bechtel on ANO-2
(File: M-2001-B1)

Ref: Telecon between E. H. Smith & Rick Lane, 5/17/78

Gentlemen:

As determined by the reference above, David Saunders, an AP&L Production Mechanical Engineer will arrive at Bechtel during mid-morning May 22, 1978.

Mr. Saunders has indicated he would like to consider the following topics concerning the computer aids used at Bechtel:

- 1) What types of design and analysis require or at least utilize a computer code (for example: pipe flexibility, hanger stress, heat transfer, etc.)?
- 2) What is the nature of the programs used, in particular: type of input, type of output, algorithms used? (There is a special interest in your programs ME101, ME632, ME604, CE901.)
- 3) What is the availability of the programs Bechtel uses? May we purchase them from you? from some other source? are they solely proprietary?
- 4) What special procedures are required to qualify computer aids with the NRC or other regulatory agencies?
- 5) What special procedures are required to qualify computer aids within Bechtel?
- 6) What is the extent of the data base on the ANO-2 project? What types of reports can be generated? Is the data-base handler in-house or purchased? Can we obtain the data base and associated programs?

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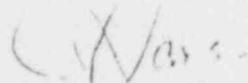
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- 7) How is the requirement for development of a new or maintenance of an old computer aid recognized? Is there a central group performing the development and maintenance function or is this done by the group using the aid? What avenues of communication are there concerning computer use between groups? departments?
- 8) What peculiar hardware/software requirements have been recognized? (for example: flat-bed or drum plotters, graphics CRT's, special compilers)

Any people you could introduce or materials you can provide will be greatly appreciated.

Very truly yours,



Rick D. Lane
Manager, Mechanical Engineering

RDL:DS:dr

cc: Mr. J. W. Anderson
Mr. G. H. Miller
Mr. N. A. Moore
Mr. D. N. Bennett
Mr. D. J. Stoker