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I-CCANP-129

8/7/85

Houston Lighting & Power Company

AZSCG

OFFICE MEMORANDUM

To L. R. Jacobi

May 12, 1981

ST-HL-19086

SFN: V-0530

From M. E. Powell *MEP*

Subject Incident Review Committee (IRC) Meeting Minutes Concerning
Computer Program Verification (Item #96); May 11, 1981
SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION

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OFFICE OF SECRETARY
DOCKETING & SERVICE

The IRC was convened to evaluate an item concerning the use of unverified computer programs (codes) on the South Texas Project (STP).

During a recent technical assessment of B&R, several concerns were identified regarding B&R's approach to computer program (code) verification. These concerns are that many of the B&R computer codes (that are presently used) are unverified at the present time and the possibility exists that their use on STP might result in an inadequate design. In addition, the verification program for a particular code lacks visibility to the user as to whether or not the program versions of the code in use have been verified. Lastly, there are some concerns as to how computer codes are controlled by B&R procedures with regard to safety related applications.

On the evening of May 8, 1981, the HL&P IRC Chairman notified the NRC-Region IV, that the B&R verification program lacks visibility to the user as to whether or not the program versions in use have been verified. This concern is potentially reportable pursuant to 10CFR50.55(e).

Information supplied by B&R indicates that B&R has completed the verification of 13 of 23 codes and they appear to be satisfactory.

As a result of the May 11, 1981 IRC meeting, the following action items have been assigned:

- (1) B&R is to provide a description of their computer code verification process and identify any procedures that control this process.
- (2) B&R to provide a listing which identifies all the codes used on STP, the status of the review for each (if they intend to verify them and why) and whether or not the codes relate to safety related applications.
- (3) B&R to address the procedural (control) concerns of the technical assessment which would allow calculations to be performed with unverified computer codes.
- (4) B&R is to define what actions are being taken (internally to B&R), and why, relative to the findings of the technical assessment recently performed.
- (5) B&R is to identify how codes are controlled with regard to safety related applications.

MEP/par

BROWN & ROOT, INC.

MAY 15 1981

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G PDR

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FEDERAL REGULATORY COMMISSION
 In the matter of STN 50-49802
 Under Review of 70866-05N15
 Applicant _____
 Interviewer _____
 Controlling _____
 Other _____
 Date 8/3/80
 Status 7A13
 RECEIVED _____
 REJECTED _____
 V _____
 V _____
 08/01/80
 08/01/80

Houston Lighting & Power Company

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To

From

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