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October 24, 1986

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QA

Mr. George W. Knighton, Director  
PWR Project Directorate No. 7  
Division of PWR Licensing-B  
Office of Nuclear Reactor Regulation  
Washington, D.C. 20555

SUBJECT: Waterford SES Unit 3  
Docket No. 50-382  
Core Protection Calculators (CPC)  
Additional Information Concerning CEN-323

REFERENCE: Letter dated August 5, 1986 from  
Crutchfield (NRC) to Scherer (CE)

Dear Mr. Knighton:

As part of the CPC Improvement Program, the referenced letter provided NRC approval for CEN-323, "Reload Data Block Constant Installation Guidelines". On September 10, 1986 LP&L, Combustion Engineering and your staff reviewed recent modifications to CEN-323 intended to provide additional assistance to the operator when updating the reload data block constants diskette.

As requested by your staff, LP&L is herewith enclosing a description of the CEN-323 modifications. As agreed during the discussions, LP&L will provide future revisions to CEN-323 for information purposes, although NRC review and approval is not required.

Yours very truly,

K.W. Cook  
Nuclear Support & Licensing Manager

KWC/MJM/plm

Enclosure

cc: B.W. Churchill, W.M. Stevenson, R.D. Martin, J.H. Wilson, L. Kopp (NRC/NRR),  
NRC Resident Inspector's Office (W3)

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Modifications to the CEN-323-P Guidelines  
to Reflect Actual Software Implementation

- Page 9) 1) Step 3 - added "(see note #4)" to end of step.
- Page 10) 1) Step 8 - changes "Y/N" to "Y/N/R" to allow option to restore constant to its original value.
- 2) Step 10c - changed "RANGE ERROR" to "INPUT VALUE TOO SMALL" or "INPUT VALUE TOO LARGE". Changed "INPUT FORMAT ERROR" to "ILLEGAL CHARACTER IN FIELD".
- 3) Step 11 - after "If 'DONE' is selected in step 6", added "(see note #5)".
- Page 11) 1) Step 12 - changed second sentence to read, "If an error message from note #5 was printed, and 'N' is selected execution returns to step 6, otherwise execution continues with step 13".
- Page 12) 1) Added NOTE #4 which describes two new error messages, 'DISK DRIVE ERROR' which alerts the operator to a hardware problem and 'DISK DATA ERROR' which indicates damage to the Reload Data Block floppy disk.
- 2) Added NOTE #5 which describes an error message which is output when certain Reload Data Block defined tables (e.g. KINDEX) fail to fulfill certain requirements known to the software, (e.g. KINDEX cannot have any duplicate values).
- Page 14) 1) Step 3 - end of second sentence added "(see note #4)".
- Page 15) 1) Step 7 - end of second sentence added "(see note #4)".