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 FACIL: 50-400 Shearon Harris Nuclear Power Plant, Unit 1, Carolina 05000400
 AUTH. NAME AUTHOR AFFILIATION
 HERDT, A. R. Region 2, Office of Director
 RECIP. NAME RECIPIENT AFFILIATION
 UTLEY, E. E. Carolina Power & Light Co.

SUBJECT: Forwards request for addl info re util responses to IE
 Bulletin 85-003, "Motor-Operated Valve Common Failures
 During Plant Transient Due to Improper Switch Settings."
 Response requested within 30 days of ltr receipt.

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NOTES: Application for permit renewal filed. 05000400

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✓ Carolina Power and Light Company
ATTN: Mr. E. E. Utley
Senior Executive Vice President
Power Supply and Engineering
and Construction

P. O. Box 1551
Raleigh, NC 27602

Gentlemen:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION CONCERNING HARRIS'
RESPONSES TO IEB 85-03 (DOCKET NO. 50-400)

The Nuclear Regulatory Commission is continuing its review of responses to IEB 85-03, "Motor Operated Valve Common Mode Failures During Plant Transient Due to Improper Switch Settings." The review indicates the need for additional information before the program to assure valve operability can be approved for your facility.

Please provide the additional information as stated in the enclosure. It is requested that you submit the additional information within 30 days of the date of this letter. Should you have any questions concerning this letter, please contact us.

Sincerely,

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Alan R. Herdt, Chief
Engineering Branch
Division of Reactor Safety

Enclosure:
Request for Additional Information

✓ cc w/encl:
✓ R. A. Watson, Vice President
Harris Nuclear Project
✓ D. L. Tibbitts, Director of Regulatory
Compliance
✓ J. L. Willis, Plant General Manager

✓ bcc w/encl:
✓ C. Barth, OGC
✓ NRC Resident Inspector
✓ A. Upchurch, Chairman, Triangle J
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A. Gibson
A. Herdt—
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08/14/87

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ENCLOSURE

REQUEST FOR ADDITIONAL INFORMATION (RAI) RE:

Review of Responses to Action Item e of IE Bulletin 85-03

Licensee:
Carolina Power & Light Company
411 Fayetteville Street
P. O. Box 1551
Raleigh, NC 27602

Unit(s): Harris 1
Date of Response: 05-13-86
07-25-86
03-04-87

Respondent:
A. B. Cutter
Vice President, Nuclear
Engineering and Licensing

The information provided in your response to Action Item e of IE Bulletin 85-03 was found to be deficient in some areas. Please provide the additional information necessary to resolve the following comments and questions:

1. The following MOVs of the HPSI system are not included in Table 1 of the response of 05-13-86. However, similarly located MOVs of another Westinghouse three-loop plant are listed for inspection in accordance with bulletin requirements. Please revise Table 1 to include these MOVs, or justify their exclusion. As required by Action Item a of the bulletin, consider the effect of inadvertent equipment operations.
 - (a) Unlisted MOVs 8130A, 8130B, 8131A and 8131B are shown normally open in series in a crossover line providing suction for the charging pumps, in Zone J-11 of Drawing CAR-2165-G-0805, Revision 14.
 - (b) Unlisted MOVs 8132A, 8132B, 8133A and 8133B are shown normally open in series in a crossover line on the discharge side of the charging pumps, in Zone I-7 of the drawing identified above.
2. Has water hammer due to valve closure been considered in the determination of pressure differentials? If not, please explain.
3. Please expand the proposed program for action items b, c, and d to include the following details as a minimum:



- (a) commitment to a training program for setting switches, maintaining valve operators, using test equipment and interpreting test results, and
 - (b) description of a method possibly needed to extrapolate valve stem thrust measured at less than maximum differential pressure.
4. According to Section A of Attachment 1 of the response of 03-04-87, "The 4 percent positions are determined by the total number of handwheel turns for the valve (listed on the data sheet)". This method is not recommended, because one of the problems at Davis-Besse 1 reported in IEB 85-03 resulted from counting handwheel turns. Please provide a description of how that problem at Davis-Besse 1 will be compensated for at your facility.