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MEMORANDUM FOR: Harold R. Denton, Director
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FROM: C. J. Heltemes, Jr., Director
Office for Analysis and Evaluation
of Operational Data

SUBJECT: PRELIMINARY CASE STUDY REPORT - LOSS OF SAFETY SYSTEM
FUNCTION EVENTS

The Office for Analysis and Evaluation of Operational Data has completed a case study of events involving a total loss of safety system function (LSSF). The study identified 133 LSSF events in the 1981 to June 1984 time period, 87 of which (65%) were the result of human factors considerations.

Although the study found no evidence of any previously unrecognized safety problems, it also found no clear evidence that a large improvement is being made, on an industry-wide basis, in preventing loss of safety system events. Therefore, it is recommended that the results of the study be fed back to Industry and to the Regions for possible use in the SALP process. In addition, it is recommended that training and qualifications development programs consider the types of personnel actually involved in LSSF events.

In accordance with AEOD's "peer review" process, prior to the finalization and distribution of our case study reports, we are providing NRR, IE, Regional Offices, RES, NSAC, and INPO with a copy of a preliminary report for review and comment, particularly regarding accuracy and completeness of the technical details. Changes to the findings, conclusions, and recommendations will be considered only if the underlying information concerning the details of plant design, systems operation or sequence of events is in error. Therefore, comments are being solicited on the technical accuracy of the report. The findings, conclusions and recommendations are provided for your information

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in order that you may understand the significance which AEOD places on this issue and therefore obtain a more complete picture of the total report. We would welcome comments either informally by phone or formally by memorandum.

Since we wish to finalize and issue the report shortly, we ask that any comments be received by us within 30 days from receipt of the preliminary report. Should your office require some additional time beyond that point, please let us know, otherwise it will be assumed that there are no comments.

We are also placing a copy of the preliminary report in the Public Document Room. If you or your staff have any questions regarding this matter, please contact Gene Trager of my staff. Mr. Trager can be reached at 492-4495.

Original Signed by

C. J. Heltemes, Jr.,

C. J. Heltemes, Jr., Director
Office for Analysis and Evaluation
of Operational Data

Enclosure:

As Stated

cc w/encl:

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Resident Inspectors at

Sites Listed in Appendix A

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DATE	7/1/85	7/1/85	7/1/85	7/1/85			