

MEMORANDUM FOR: Harold R. Denton, Director
Office of Nuclear Reactor Regulation

THRU: Darrell G. Eisenhut, Director
Division of Licensing

FROM: Frank J. Miraglia, Assistant Director
for Safety Assessment
Division of Licensing

SUBJECT: RECOMMENDED SCHEDULE FOR GESSAR II SEVERE
ACCIDENT REVIEW

By memorandum dated June 24, 1983, a copy of which is enclosed, the Directors of the Divisions of Systems Integration, Engineering, and Safety Technology proposed an approach and schedule for completing the GESSAR II severe accident review in a timely manner. The proposed approach would include two aspects of the review not previously considered when the original GESSAR II schedule was developed. Factored into the proposed review schedule would be the consideration of external events in the PRA and the use of the new source term presently being developed by the Accident Source Term Program Office (ASTPO).

At the EDO-GE meeting on September 23, 1983, the following points were made with regard to the GESSAR II severe accident review:

- (1) the staff's review of the internal events portion (excluding the uncertainty analysis) of the GESSAR II PRA is largely complete. This review was based on the assumptions and methodologies consistent with an upgraded WASH-1400 type review.
- (2) The GESSAR II review will be completed based on assumptions and methodologies which will be developed by the ASTPO by December 31, 1983. The staff will no longer continue the review of GESSAR II using the assumptions and methodologies consistent with the upgraded WASH-1400 type review.

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This approach clearly involves a number of risks: (a) the discontinuance of the old approach leaves the staff with no fallback analysis, and (b) the use of the new approach prior to peer review stands the chance of having to be redone after the peer review process is complete. It also gives the impression that we place very little significance on the peer review process. While we recognize these risks could be significant, we understand that the Technical Review Divisions lack sufficient resources to do the review both ways (i.e., using the upgraded WASH-1400 type source term and the ASTPO source term) and, therefore, propose to proceed only with the assumptions and methodologies developed by the ASTPO. Accordingly, we request your approval of the enclosed review schedule.

It is important to note that the proposed schedule is predicated on the acceptability of the external events PRA which GE submitted September 22, 1983, and the associated uncertainty analysis which is due by December 31, 1983, and the availability to the staff of the revised ASTPO source term methodology by December 31, 1983. It is also important to note that the staff's Safety Evaluation Report is not scheduled to be issued until June 15, 1984, approximately 5 1/2 months after the scheduled availability of the ASTPO source term, thereby providing a reasonable amount of overlap with the peer review process. Should the ASTPO source term change significantly as a result of the peer review process, the Safety Evaluation Report would be revised as appropriate.

Delays in these dates will have corresponding impacts on the review schedule. The proposed schedule would delay the issuance of the SER from March 1, 1984 to June 15, 1984, a period of 3 1/2 months.

Original signed by
Frank J. Miraglia

Frank J. Miraglia, Assistant Director
for Safety Assessment
Division of Licensing

Enclosures: As stated

Approved:

Harold R. Denton

DISTRIBUTION:

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NRC PDR	R. Mattson
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Author's Name:
D. Scaletti

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Memo to Denton - GESSAR II Schedule

for concurrence:

Call Denton 29797



Houston, action:

*coordinate DSI
concurrent with
Mullen.*

11/4/83

MEMORANDUM FOR: H. Denton

SUBJECT: RECOMMENDED SCHEDULE FOR GESSAR II SEVERE
ACCIDENT REVIEW

R 11/8

1. D. Scaletti - concur

11/7/83

2. ~~C. Thomas~~ - concur

605 11/7/83

11/7 3. ~~F. Miraglia~~ - concur/sign

11/7

4. T. Speis - concur

5. R. Mattson - concur

6. R. Vollmer - concur

7. D. Eisenhut - concur

8. H. Denton - Approval
