



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

JUN 21 1982

MEMORANDUM FOR: Stephen H. Hanauer, Director
Division of Safety Technology

FROM: Ashok Thadani, Chief
Reliability and Risk Assessment Branch, DST

SUBJECT: TREATMENT OF EXTERNAL EVENTS FOR THE GESSAR PRA

At the second technical meeting on June 16, 1982, with representatives of BNL, GE, and NRC on the review of the GESSAR PRA, the above subject was discussed and the following agreements made:

- . The methodology for treating external events is not mature at this time.
- . The calculations for treating external events are expensive.
- . The specific site features needed to do the calculations are not known.
- . GE will provide bases for their conclusion that external events are small contributors to overall risk considering the current deterministic criteria.
- . At this time, GE will not be required to treat external events in the GESSAR PRA.
- . We owe GE a firm response on this issue in two months (fourth technical meeting).

Please advise if we need to redirect GE regarding probabilistic treatment of external events for GESSAR.

Ashok Thadani, Chief
Reliability and Risk Assessment Branch

cc: Roger Mattson T. Speis
D. Volmer J. Meyer
R. Jackson B. Harden ←
M. Ernst
R. Frahm
D. Yue



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

14 T. Speis

JUN 21 1982

13

we need a
mtg to discuss
this. I think we
should require
more of an explicit
approach by
GE. Please
arrange
for DS I

MEMORANDUM FOR: Stephen H. Hanauer, Director
Division of Safety Technology

FROM: Ashok Thadani, Chief
Reliability and Risk Assessment Branch, DST

SUBJECT: TREATMENT OF EXTERNAL EVENTS FOR THE GESSAR PRA

At the second technical meeting on June 16, 1982, with representatives of BNL, GE, and NRC on the review of the GESSAR PRA, the above subject was discussed and the following agreements made:

- . The methodology for treating external events is not mature at this time.
- . The calculations for treating external events are expensive. cc
- . The specific site features needed to do the calculations are not known. cc Spangler, Meyer
- . GE will provide bases for their conclusion that external events are small contributors to overall risk considering the current deterministic criteria.
- . At this time, GE will not be required to treat external events in the GESSAR PRA.
- . We owe GE a firm response on this issue in two months (fourth technical meeting).

Please advise if we need to redirect GE regarding probabilistic treatment of external events for GESSAR.

A. Thadani

Ashok Thadani, Chief
Reliability and Risk Assessment Branch

- cc: → Roger Mattson T. Speis
 D. Vollmer J. Meyer
 R. Jackson B. Harden
 M. Ernst
 R. Frahm
 D. Yue