



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

NRC PDR

JAN 26 1979

MEMORANDUM FOR: H. Faulkner, Research Agreements Coordinator, Office
of International Programs

FROM: B. Grimes, Assistant Director for Engineering and
Projects, DOR

SUBJECT: INFORMATION REQUESTED BY SWISS

Enclosed are several documents requested by D. H. Njo during our meeting with the Swiss delegation on November 7, 1978. The request was for information regarding occupational exposures at operating nuclear power plants. Our response has been delayed pending completion of some items requested by Dr. Njo. A list of the enclosed information is also attached. Please forward the attached information to Dr. Njo.

In the November meeting, the Swiss delegation briefly described their regulatory policy on implementation of the As Low As Reasonably Achievable (ALARA) concept to occupational radiation exposures. Their approach appears to be based on cumulative man-rem exposure limits per reactor which is quite different from our approach which has historically avoided the use of specific limits or objectives for total cumulative radiation exposure. The Commission, in their action on SECY 78-415, asked the staff to further consider the use of cumulative exposure limits and objectives for implementing ALARA at all licensed facilities including operating power reactors. Consequently, it would be useful to obtain information on the Swiss ALARA regulatory policies. Specifically, the following information would be useful:

- (1) Description of the Swiss method or implementation of the ALARA occupational exposure concept.
- (2) Description of how cumulative man-rem limits and objectives are determined, especially for power reactors.
- (3) How special reactor maintenance operations, e.g., PWR steam generator repairs and BWR vessel nozzle repairs, are addressed in the establishment of limits or objectives.
- (4) What happens if a licensee, e.g., power reactor, exceeds the limit or objective.

Please forward the above questions to the Swiss with the attached information.

Contact: G. Cwalina, EEB/DOR
28066

7902130228

H. Faulkner

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If you have any questions regarding the above, please contact G. Cwalina on Extension 28066.

Original Signed by
Brian K. Grimes

Brian K. Grimes, Assistant Director
for Engineering and Projects
Division of Operating Reactors

Enclosure:
As stated

cc: (w/o encl)
V. Stello
D. Eisenhut
W. Kreger
J. Shea, IP
E. Adensam
Section B/EEB

K. Goller
R. Purple
R. Alexander
C. Roberts
M. Parsont

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