



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
 ENVIRONMENTAL RESEARCH LABORATORIES
 Post Office Box E
 Oak Ridge, Tennessee 37830

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DISTRIBUTED TO ACRS MEMBERS

Dr. Ragnwald Muller
 Advisory Committee on
 Reactor Safeguards
 Nuclear Regulatory Commission
 1717 H Street, NW
 Washington, D. C. 20555

Subject: Comments on TMI-2 Reactor Building Purge Program
 Safety Analysis

Dear Rags:

At your request I looked at this document. I have no particular comment except to say that I agree with conclusion # 5 on p 47, that purge should be via the vent stack, with meteorological control. I assume this report is being reviewed for accuracy by NRC staff; I didn't try to check any of the numbers. However as a gross check on the feasibility of such a proposition it should be noted that Kr-85 releases of the required order do occur. Monthly Kr releases for Savannah River of up to about 90,000 Ci are tabulated in the paper by Telegadas, Ferber, Heffter, and Draxler, Atmospheric Environment, 12, page 1769. see Table 1. The problem at TMI-2 in contrast with Savannah River, is of course the nearby population. Is the ACRS on the subcommittee going to review this?

Sincerely yours,

F. A. Gifford
 Director, Atmospheric
 Turbulence and Diffusion
 Laboratory

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