

JAN 8 1973

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Docket No. 50-289

J. Hendria, Deputy Director for Technical Review, L

TECHNICAL ASSISTANCE REQUEST: COMBUSTIBLE GAS CONTROL SYSTEM

Plant Name: Three Mile Island, Unit 1  
Licensing Stage: OL  
Docket No.: 50-289  
Licensing Branch: PWR-2  
Project Manager: H. Schierling  
Review Branch: Containment Systems Branch  
Requested Completion Date: January 18, 1973

On August 28, 1972, the Containment Systems Branch provided us with an evaluation of the combustible gas control system for the SER of TMI-1. The Site Analysis Branch, using the information provided, calculated the doses resulting from hydrogen purge:

begin of purge: 30 days after accident  
purge rate: 15 cfm  
duration of purge: 30 days  
thyroid dose: 5.56 rem  
whole body dose: 0.35 rem

In Amendment 25 (Supplement 1, Part II to the FSAR), dated December 19, 1972, the applicant revised the amount of aluminum present in the containment from 54.1 lbs. to 234 lbs. of aluminum.

We request that you reanalyze the requirements for hydrogen purge in view of this revision and provide the Site Analysis Branch with the necessary information to perform the dose calculations.

Original Signed By  
R. C. DeYoung

R. C. DeYoung, Assistant Director  
for Pressurized Water Reactors  
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| DATE ▶    |                                      | 1/5/73         | 1/5/73 | 1/ /73    |

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