

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

April 19, 1979

NOTE TO: V. Stello, Jr., Director, TMI Operations  
FROM: F. J. Miraglia, Jr., Coordinator, Team B

The attached information was requested by Gordon Chipman and  
was prepared by Frank Akstulewicz.

*F. J. Miraglia, Jr.*  
F. J. Miraglia, Jr.  
Coordinator  
Team B

Attachment:  
As Stated

cc: see attached distribution list

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#### Dose Rate at Top of Containment Dome

In response to a request from the site (Gordon Chipman), the dose rate at the top of the TMI-2 containment dome was determined. We calculated that the dose rate is 2.5 rem/hr per  $\mu\text{Ci/cc}$  of Xe-133 in the containment atmosphere. The dose rate at the center of the containment would be about a factor of two higher. These values were telephoned to Jerry Klingler at the site.

Based on previous work we estimate that the contribution to the dose rate in the containment dome from the water on the floor of the containment building is negligible. There may be a contribution, however, from activity which may have plated-out on the inside surfaces of the containment.

The calculations above were done by F. Akstulewicz of AAB.

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