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

MAY 16 1979

NOTE TO: Dennis Crutchfield, Program Support Staff, NRR
FROM: H. Schierling, Section A
Accident Analysis Branch, DSE
SUBJECT: THREE MILE ISLAND 2 - STAFF CONTACTS WITH OUTSIDE ORGANIZATIONS

(1) Contact with Dr. M. Haas, Buffalo, NY:

On April 1, 1979, at the recommendation of M. Taylor, Probabilistic Analysis Staff, RES, I called Dr. Haas, State University of New York, Buffalo, NY (home phone: / office phone 716-831-2826) regarding the potential for hydrogen explosion in an environment of high humidity. He discussed minimum hydrogen concentrations for flammability and detonation in a steam atmosphere at 300° F and 1000 psi.

He suggested the addition of a chemical to the primary coolant which could aid in reducing the hydrogen concentration. I had no further contact on this subject with Dr. Haas.

(2) Contact with W. Riehl, NASA; Huntsville, Alabama:

On April 1, 1979 at about 8 a.m. I received a call from DOE in Washington D. C. advising that Dr. W. Riehl from NASA in Huntsville, Alabama was enroute to Three Mile Island to assist the staff and the licensee on matters relating to hydrogen explosion and recombination. Dr. Riehl arrived at about noon. I discussed with him the status of the hydrogen concentration inside containment and the available methods of hydrogen control. I arranged for a contact with the licensee. Dr. Riehl had questions regarding the construction and material for the spark arrestor of the hydrogen recombiner. Later in the day he joined the task force at the Middletown Annory.

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