



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
611 RYAN PLAZA DRIVE, SUITE 1000  
ARLINGTON, TEXAS 76012

TEAC  
JRA

May 16, 1979

Docket No. 50-498  
50-499

Houston Lighting and Power Company  
ATTN: Mr. E. A. Turner, Vice President  
Power Plant Construction and  
Technical Services  
Post Office Box 1700  
Houston, Texas 77001

Gentlemen:

Enclosed is supplement AN to Preliminary Notification PNO-79-67, "Nuclear Incident at Three Mile Island," dated May 14, 1979.

Should you have any questions regarding this review, please contact this office.

Sincerely,

A handwritten signature in dark ink, appearing to read "W. C. Seidle", is written over the typed name.

W. C. Seidle, Chief  
Reactor Construction and  
Engineering Support Branch

Enclosure:  
PNO-79-67AN

7906180176

IMMEDIATE  
PRELIMINARY NOTIFICATION

May 14, 1979

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE == PNC-79-67AN (Corrected)

This preliminary notification constitutes summary information of an event of safety or public interest significance.

Facility: Three Mile Island Unit 2  
Middletown, Pennsylvania (DN 50-320)

Subject: NUCLEAR INCIDENT AT THREE MILE ISLAND

Operational Status

1. The average coolant temperature is being maintained at 170 degrees F by natural circulation. Pressure is about 650 psi. Steam is being admitted to the main condenser through the turbine bypass valves from the A Steam Generator. The highest incore temperature reading is 308 degrees F.
2. All four trains of the independent, additional charcoal filter system are presently operable. Normally three trains are operating at any one time to provide additional filtration for the entire gaseous effluent flow from Unit 2. Iodine concentrations in the gaseous effluent have been below instantaneous release limits and below detectable levels most of the time.
3. Preliminary hydrostatic testing of the existing decay heat removal system ("A" and "B" loops) has been performed. Leaks have been identified and are being corrected.
4. The pressurizer has been taken "solid" periodically to obtain confirmatory information on pressurizer level and to check primary system leak rate.
5. Measurements of the liquid level inside containment is planned in the near future by measuring the hydrostatic head on the steam discharge piping using a recently installed Heise gage.

Environmental Status

Environmental radiation levels continue to be consistent with natural background levels. There were approximately four minor releases during the past week (May 7-13, 1979) associated with venting of the primary makeup tank and work on the new filter train system and monitors. During this period 14 24-hour continuous air samples and 27 air grab (1 to 2 hr.) samples were collected, and all were less than MDA. A goat milk sample taken on May 8, 1979 contained an I-131 concentration of 12 pCi/liter. The latest goat milk sample collected and analyzed on May 13 showed less than MDA for I-131 (F10 pCi/l). Grass samples taken at the goat farm showed I-131 levels less than MDA. Cow milk samples and grass samples from other locations show less than MDA levels for I-131. Ground surveys continued to show radiation to be at background levels. Aerial surveillance flights have not shown any levels of I-131 above MDA. Other Federal Agencies have not reported any positive values for samples taken during this period.

CONTINUED  
IMMEDIATE PRELIMINARY NOTIFICATION

DUPLICATE

7906060178

May 14, 1979  
PNO-79-67AN (Corrected)

Contact: RCPaulus, IE x27246; DThompson, IE x28487

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C. Abraham, PA \_\_\_\_\_ (Middletown - TMI- Information Center)

White House Situation Room \_\_\_\_\_

FDAA \_\_\_\_\_ (Provide copies to the Administrator and the Operations Center)

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IMMEDIATE  
PRELIMINARY NOTIFICATION