

NOTE: CONTINUATION
OF ACTION LINE
ATTACHED

UNCLASSIFIED

USNRC: JDLAFLEUR
4/10/79: 492-7788
OES/NET/IEC: DHCOOPER

EUR/RPE:	WBARMON	{INFO}	EA/RA:	PCLEVELAND	{INFO}
NEA/RA:	HENGELBRECHT	{INFO}	ARA:	GJONES/JHENNEKE	{INFO}
IO:SCI:	AJILLSON	{INFO}	L/N:	RJBETTAUER	{INFO}

IMMEDIATE ATHENS, BERN IMMEDIATE, BOMBAY IMMEDIATE, BONN IMMEDIATE, BRASILIA IMMEDIATE, BRUSSELS IMMEDIATE BUENOS AIRES IMMEDIATE,

USIAEA, USOECD, USEEC - PASS TO PARA 1 PARTIES ASAP

E.O. 11652: N/A

TAGS: TECH,

SUBJECT: THREE MILE ISLAND REACTOR STATUS

REF: A-0221

1. ADDRESSEES REQUESTED TO PASS FOLLOWING INFORMATION TO OFFICIAL NRC CONTACTS IN HOST GOVERNMENTS AND TO VISITING SENIOR U.S. OFFICIALS, ASAP, DURING DAYLIGHT HOURS, AND TO USE AS APPROPRIATE IN ANSWERING INQUIRIES. PLEASE NOTE THIS INFORMATION IS PRELIMINARY AND NOT FULLY EVALUATED.

2. TERMINATION OF RECOMMENDED LIMITED EVACUATION GOVERNOR THORNBURGH OF PENNSYLVANIA ON APRIL 9 WITHDREW HIS MARCH 30 RECOMMENDATION THAT PREGNANT WOMEN AND PRE-SCHOOL CHILDREN EVACUATE THE AREA OF FIVE-MILE RADIUS AROUND THE THREE MILE ISLAND NUCLEAR POWER PLANT.

3. PLANT STATUS AS OF 6 A.M. APRIL 10
A. BULK COOLANT INLET AND OUTLET TEMPERATURES REMAIN AT ABOUT 280 DEGREES F. THE AVERAGE CORE THERMOCOUPLE TEMPERATURE IS ABOUT 295 DEGREES F, AND THE HIGHEST THERMOCOUPLE READING IS ABOUT 400 DEGREES F.

B. A 24-HOUR PERIOD OF ADDITIONAL DEGASIFICATION BY REDUCING PRIMARY PRESSURE TO 400 PSIG IN SMALL DECREMENTS

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WAS COMPLETED ON APRIL 9. NO SIGNIFICANT CHANGE IN REACTOR COOLANT PUMP VIBRATION OCCURRED DURING THIS PERIOD. NOISE MEASUREMENTS DID INDICATE SOME GAS IN THE COOLANT AT LOWER PRESSURES, WITH RETURN INTO SOLUTION OVER TIME. THE LICENSEE PLANS TO REPEAT THE DEGASSING OPERATION, CYCLING DOWN TO APPROXIMATELY 300 PSIG, AND SUBSEQUENTLY TO HOLD REACTOR COOLANT SYSTEM PRESSURE AT APPROXIMATELY 1000 PSIG. A PHASED COOLDOWN IS UNDER CONSIDERATION AS THE NEXT STEP.

C. A PRIMARY COOLANT SYSTEM SAMPLE IS PLANNED TO BE TAKEN APRIL 10.

D. HYDROGEN CONCENTRATION IN CONTAINMENT IS ABOUT 1.7%.

4. ENVIRONMENTAL STATUS AS OF APRIL 10

A. OFFSITE RADIATION LEVELS IDENTIFIED BY NRC SURVEY TEAMS RANGE BETWEEN .02 - .2 MR/HR. THE HIGHER LEVEL LASTED ONLY A SHORT TIME AND IS BELIEVED TO BE ASSOCIATED WITH OPERATION OF THE WASTE GAS COMPRESSORS. THE RESULTS WERE OBTAINED FROM ROUTINE SURVEYS PERFORMED ON THE EAST AND WEST SIDE OF THE SUSQUEHANNA RIVER AT DISTANCES OF UP TO 4 MILES NORTH AND SOUTH OF THE SITE.

B. THE FOLLOWING SURVEY FLIGHTS WERE CONDUCTED DURING APRIL 9, 1979:

TIME	MAX.RAD.LEV.LOCATION	DISTANCE FROM SITE
12:38-13:08	2MR/HR SECTOR 235-270	1 MILE
18:05-18:45	1MR/HR SECTOR 120	1 MILE

C. NO NEW DATA WERE REPORTED FOR MILK, WATER, AND VEGETATION SAMPLES.

D. OFFSITE DOSE RATES AS DETERMINED BY NRC THERMO-LUMINESCENT DOSIMETERS (TLDS) INDICATE THAT PRESENT RADIATION LEVELS ARE IN CLOSE AGREEMENT WITH EXPECTED NATURAL BACKGROUND LEVELS.

G. DOSE RATES (47 LOCATIONS) AS MEASURED BY NRC THERMO-LUMINESCENT DOSIMETERS HAVE RANGED FROM 0.01 TO 0.05 MILLIROENTGENS PER HOUR FOR THE 24-HOUR PERIOD OF APRIL 9. 44

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ACTION PRECEDENCE CONTINUED:

IMMEDIATE COPENHAGEN
IMMEDIATE HELSINKI
IMMEDIATE LONDON
IMMEDIATE MADRID
IMMEDIATE MANILA
IMMEDIATE MEXICO CITY
IMMEDIATE NEW DELHI
IMMEDIATE OSLO
IMMEDIATE PARIS
IMMEDIATE REYKJAVIK
IMMEDIATE RIO DE JANEIRO
IMMEDIATE ROME
IMMEDIATE SEOUL
IMMEDIATE STOCKHOLM
IMMEDIATE TEHRAN
IMMEDIATE TEL AVIV
IMMEDIATE THE HAGUE
IMMEDIATE TOKYO
IMMEDIATE VIENNA