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Projects 93  
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5-3-60

Dr. Leslie Silverman  
Chairman, Advisory Committee  
on Reactor Safeguards  
U. S. Atomic Energy Commission  
Washington 25, D. C.

Dear Dr. Silverman:

Transmitted herewith for the information of the Committee  
are three copies each of information concerning recent  
incidents in the GRK and WTK.

It should be noted that the teletype from Westinghouse  
dated April 4 was superseded by their letter report of the  
same date. The written report from G.E. referred to in  
the last paragraph of the teletype from E. C. Shute has  
not as yet been received.

Sincerely yours,

Eber R. Price, Assistant Director  
Division of Licensing and Regulation

Enclosures:

1. Teletype from E. C. Shute to C. A. Nelson, dtd. 4/2/60 (3)
2. Teletype from Westinghouse to L. Johnson, dtd. 4/4/60 (3)

bcc: Eber R. Price, w/o encl.

OFFICE ▶	HEB:DL&R	HEB:DL&R	DL&R			
SURNAME ▶	EGCase; alp	CKBeck <i>Chy</i>	ERPrice			
DATE ▶	5/2/60	5/1/60	5/3/60			

*Alsy*

COPY

1960 APR 4 PM 3 50

WESTINGHOUSE ATOMIC POWER DEPT PGH PA VAL PA 505 4-4 GOOD AFTERNOON

MR LYALL JOHNSON CHIEF LICENSING BRANCH

DIVISION OF LICENSING AND REGULATION

U S A E C WASHINGTON D C

AT 8:40 PM, APRIL 3, 1960 THERE WAS A RELEASE OF FISSIONABLE MATERIALS TO THE PRIMARY COOLANT OF THE WTR PROBABLY CAUSED BY RUPTURE OF A FUEL ELEMENT. THE REACTOR WAS SHUT DOWN AT 8:42 PM AND ALL PERSONNEL EXCEPT ONE HEALTH PHYSICIST EVACUATED IMMEDIATELY. ESTIMATED MIXED FISSION PRODUCT FROM HEAD TANK AT AN ELEVATION OF 250 FEET WAS  $1.0 \times 10$  TO THE MINUS 8 MICROCURIES PER MILLILITER OF AIR AVERAGED OVER A 24 HOUR PERIOD. THIS IS APPROXIMATELY 10 TIMES PERMISSABLE BREATHING ZONE CONCENTRATION AT THE PERIMETER OF WTR PROPERTY THERE WAS NO DETECTABLE AIRBORNE ACTIVITY. THE MAXIMUM EXPOSURE OF WTR PERSONNEL AS A RESULT OF THE INCIDENT WAS LESS THAN THE PERMISSIBLE WEEKLY EXPOSURE LEVEL. IT IS EXTIMATED THAT THE INCIDENT WOULD RESULT IN THE REACTOR BEING INOPERATIVE FOR 6 DAYS WERE IT SCHEDULED TO OPERATE. HOWEVER, A NORMAL SHUTDOWN FOR 34 DAYS TO PERMIT EQUIPMENT INSTALLATION WAS SCHEDULED TO START AT 12:01 AM APRIL 4 AND CONTINUE UNTIL 12:01 AM MAY 9.

E T MORRIS MANAGER WTR PROJECT

END OR CA PLS

REC OK TU END GC

V