

## LICENSEE EVENT REPORT

U. S. NUCLEAR REGULATORY COMMISSION

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 M A P P S 1 2 0 0 - 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5  
7 8 9 14 15 25 26 30 37 CAT 38

CON'T

0 1 REPORT SOURCE L 6 0 5 0 - 0 2 9 3 7 0 7 2 1 8 0 8 0 7 3 0 8 0 9  
7 8 60 61 68 69 74 75 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 On July 21, 1980 Boston Edison received an analyses report from the Yankee Atomic  
0 3 Electric Laboratory which indicated that a reportable concentration of Co-60  
0 4 (48.3 + 1.4 pCi/kg) existed in a mussel sample taken from the Pilgrim Station  
0 5 discharge canal outfall area on 4/8/80. This concentration is in excess of 10 times  
0 6 the lower limit of detection at the control station in Marshfield (4.7 pCi/kg).  
0 7 This insignificant concentration represents no risk to the public health and  
0 8 safety.  
7 8 9

0 9 SYSTEM CAUSE CAUSE COMPONENT COMP. VALVE  
CODE CODE SUBCODE CODE SUBCODE SUBCODE  
X X 11 X 12 Z 13 Z Z Z Z Z Z 14 Z 15 Z 16  
9 10 11 12 13 18 19 20  
17 LER/RO EVENT YEAR SHUTDOWN METHOD HOURS ATTACHMENT NPRD-4 PRIME COMP. COMPONENT  
REPORT NUMBER 8 0 1 0 3 1 0 4 T 0  
21 22 23 24 26 27 28 29 30 31 32  
ACTION FUTURE EFFECT SHUTDOWN HOURS ATTACHMENT NPRD-4 PRIME COMP. COMPONENT  
TAKEN ACTION ON PLANT METHOD 0 0 0 0 N 23 N 24 Z 25 Z 9 9 9 9 26  
33 34 35 36 37 40 41 42 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The presence of Co-60 in this discharge sample is due to operation of the Pilgrim  
1 1 Station. However, even if a person were to directly consume mussels at the rate  
1 2 given in Regulatory Guide 1.109, the annual dose to that person would only be  
1 3 about  $1.3 \times 10^{-3}$  mrem to the total body and  $9.7 \times 10^{-3}$  mrem to the maximum exposed  
1 4 organ (GE-LLI).  
7 8 9

1 5 FACILITY % POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION  
STATUS 1 0 0 28 N.A. D 31 Notification by Environmental Lab  
7 8 9 10 12 13 44 45 46 80  
1 6 ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY LOCATION OF RELEASE  
Z 33 Z 34 N.A. N.A. 36  
7 8 9 10 11 44 45 80  
1 7 PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION  
0 0 0 37 Z 38 N.A.  
7 8 9 11 12 13 80  
1 8 PERSONNEL INJURIES NUMBER DESCRIPTION  
0 0 0 40 N.A.  
7 8 9 11 12 80  
1 9 LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION  
Z 42 N.A.  
7 8 9 10 80  
2 0 PUBLICITY ISSUED DESCRIPTION  
N 44 N.A. NRC USE ONLY  
7 8 9 10 68 69 80

8008050301

NAME OF PREPARER

Mr. M. Thomas McLoughlin

PHONE: 617-746-7900