

CONTROL BLOCK: _____ (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

9 9 9 14 13 20 26 30 37 CAT 35
P A 3 1 7 8 1 2 0 1 2 - 1 0 0 0 0 0 - 1 0 1 0 2 4 1 1 1 1 1 4 5

CONT
9 9 91 88 89 74 75 80
0 1 REPORT SOURCE L 6 0 5 0 0 0 3 3 4 7 0 8 1 7 8 1 3 1 1 2 6 8 2 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (2)
On 8/17/81 at 0410 hours, a crack through a welded pipe connection join-
ing the two 1A Degasifier Recovery Heat Exchangers in series was dis-
covered to be the source of increased radiation levels in the auxiliary
building. This system boundary degradation is reportable under Tech Spec
6.9.1.9.d. There were no adverse effects on the health and safety of the
general public since the release was contained within the auxiliary
building environment. This is the second occurrence of this type.

9 9 9 11 12 13 18 19 20 21 22 23 24 26 27 28 29 30 31 32 33 34 35 36 40 41 42 43 44 47
SYSTEM CODE: C G (11)
CAUSE CODE: E (12)
CAUSE SUBCODE: X (13)
COMPONENT CODE: H T E X C H (14)
COMP. SUBCODE: A (15)
VALVE SUBCODE: Z (16)
LER/RO REPORT NUMBER: 17
EVENT YEAR: 8 1 (21)
SEQUENTIAL REPORT NO.: 0 7 7 (24)
OCCURRENCE CODE: 0 3 (28)
REPORT TYPE: X (30)
REVISION NO.: 1 (32)
ACTION TAKEN: B (18)
FUTURE ACTION: F (19)
EFFECT ON PLANT: Z (20)
SHUTDOWN METHOD: Z (21)
HOURS: 0 0 0 0 (22)
ATTACHMENT SUBMITTED: Y (23)
NPRD-4 FORM SUB.: N (24)
PRIME COMP. SUPPLIER: A (25)
COMPONENT MANUFACTURER: A 5 5 0 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)
Weld repair was completed on 9/4/81. An engineering evaluation has
determined thermal stress fatigue to be the most probable cause of
failure. As per engineering recommendation, station modification request
461 has been initiated to modify both trains or all four heat exchangers
to relieve the strain on the tube side interconnecting lines.

9 9 9 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
FACILITY STATUS: E (28)
% POWER: 0 9 9 (29)
OTHER STATUS: N/A (30)
METHOD OF DISCOVERY: A (31)
DISCOVERY DESCRIPTION: Response to Area Radiation Monitors (32)
ACTIVITY CONTENT RELEASED OF RELEASE: Z (33)
AMOUNT OF ACTIVITY: N/A (35)
LOCATION OF RELEASE: N/A (36)
PERSONNEL EXPOSURES NUMBER: 0 0 0 (37)
TYPE: Z (38)
DESCRIPTION: N/A (39)
PERSONNEL INJURIES NUMBER: 0 0 0 (40)
DESCRIPTION: N/A (41)
LOSS OF OR DAMAGE TO FACILITY TYPE: Z (42)
DESCRIPTION: N/A (43)
PUBLICATION ISSUED DESCRIPTION: N/A (45)
8212080497 821126
PDR ADOCK 05000334
S PDR
NRC USE ONLY

Attachment To LER 81-077/03X-1
Beaver Valley Power Station
Duquesne Light Company
Docket No. 50-334

No further information is available or needed to satisfy the reporting requirement.