

DISTRIBUTION
 AEC PDR
 Local PLR
 Docket
 RP Reading
 PWR-4 Reading
 SHarauer
 RSEoyd
 RCDeYoung
 DSKovholt
 RFWaccary
 DKnuth
 HDenton
 PWR Branch Chiefs
 HFaulkner
 CGC
 FO (3)
 EGoulbourne

Docket Nos. 50-259
 and 50-320

JAN 11 1973

Metropolitan Edison Company
 ATTN: Mr. John C. Miller
 Vice President
 P. O. Box 542
 Reading, Pennsylvania 19603

Gentlemen:

The enclosed Errata Sheet for "General Information Required for Consideration of the Effects of a Piping System Break Outside Containment" amends our letters to you of December 15, 1972. These letters concerned the potential effects of steamline breaks in the Three Mile Island Plant, Units 1 and 2.

Please contact us if you desire any discussion or clarification of this material.

Sincerely,

Original Signed by
 Albert Schwencer

A. Schwencer, Chief
 Pressurized Water Reactors Branch No. 4
 Directorate of Licensing

Enclosure:
 Errata Sheet

cc: General Public Utilities Service Corporation
 ATTN: Mr. R. W. Heward
 Project Manager
 260 Cherry Hill Road
 Parsippany, New Jersey 07054

General Public Utilities Service Corporation
 ATTN: Mr. T. Crimmins, Manager
 Safety and Licensing
 260 Cherry Hill Road
 Parsippany, New Jersey 07054

Gerald Charnoff

7905020006

A

Dir 07

OFFICE ▶	Shaw, Pittman, Fotts, Powerline, and Jackson 910 - 17th Street Washington, D. C. 20005	L: PWR-4	L: PWR-4	
SURNAME ▶	Faulkner:emp	ASchwencer		
DATE ▶	1/73	1/73		

ERRATA SHEET FOR "GENERAL INFORMATION REQUIRED FOR CONSIDERATION OF THE
EFFECTS OF A PIPING SYSTEM BREAK OUTSIDE CONTAINMENT"

The following lists the changes that have evolved on our initial information request:

1. Page 2, Item 2--Insert the following in 2. to precede the existing first sentence:

"Design basis break locations should be selected in accordance with the following pipe whip protection criteria; however, where pipes carrying high energy fluid are routed in the vicinity of structures and systems necessary for safe shutdown of the nuclear plant, supplemental protection of those structures and systems shall be provided to cope with the environmental effects (including the effects of jet impingement) of a single postulated open crack at the most adverse location(s) with regard to those essential structures and systems, the length of the crack being chosen not to exceed the critical crack size. The critical crack size is taken to be 1/2 the pipe diameter in length and 1/2 the wall thickness in width."

2. Page 2, Item 2(a)(2)--Change nomenclature to read "any intermediate locations between terminal ends where the primary plus secondary stress intensities S_n ..."
3. Page 4, Item 2.(b)(2)--Change $0.9 (S_n + S_A)$ to $0.8 (S_n + S_A)$.
4. Page 6, Item 7 --Add "structural" to read "The structural design loads..."
5. Page 7, Item 11.(a)--Add "required" so as to read, "Loss of required redundancy..."
6. Page 7, Item 11.(a)--Delete "the steam line break" and replace with "that" to read "...the consequences of that accident..."
7. Page 8, Item 11.(b)-- Replace (b) with the following: (b) "Environmentally induced failures caused by a leak or rupture of the pipe which would not of itself result in protective action but does disable protection functions. In this regard, a loss of redundancy is permitted but a loss of function is not permitted. For such situations plant shutdown is required."

8. Page 8, Item 13--Change wording in the first sentence to read "Environmental qualification should be demonstrated by test for that electrical equipment required to function in the steam-air environment resulting from a high energy fluid line break."