



UNITED STATES  
ATOMIC ENERGY COMMISSION  
WASHINGTON, D.C. 20545

Docket No. 50-219

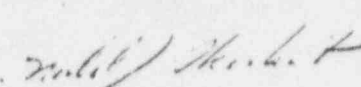
January 16, 1973

Jersey Central Power & Light Company  
ATTN: Mr. R. H. Sims, Vice President  
Madison Avenue at Punch Bowl Road  
Morristown, New Jersey 07960

Gentlemen:

Enclosed is the errata sheet for the modifications to the  
"General Information Guide for Consideration of the Effects of a  
Piping System Break Outside Containment" which was transmitted to  
you by letter dated December 18, 1972.

Sincerely,

  
Donald J. Skovholt  
Assistant Director for  
Operating Reactors  
Directorate of Licensing

Enclosure:  
Errata Sheet

cc w/enclosure:  
George F. Trowbridge, Esquire  
Shaw, Pittman, Potts, Trowbridge & Madden  
910 - 17th Street, N. W.  
Washington, D. C. 20006

GPU Service Corporation  
ATTN: Mr. Thomas M. Crimmins  
Safety & Licensing Manager  
260 Cherry Hill Road  
Parsippany, New Jersey 07054

9604150410 960213  
PDR FOIA  
DEKOK95-258 PDR

B/341

1

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 environmental 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  $0.9 (S_h + S_A)$  to  $0.8 (S_h + S_A)$ .
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."

Errata Sheet For "General Information Required For Consideration Of The  
Effects Of Piping System Break Outside Containment"

-2-

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."