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Public Service Company of Oklahoma
Black Fox Station
PSAR Amendment 12 - Page 3.8-45c
Docket STN 50-556 and STN 50-557

B&V Project 6212
File: 6212.125.3500.32
October 23, 1978

Office of Nuclear Reactor Regulation
Division of Project Management
Light Water Reactors Branch No. 4
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Attention: Mr. Steven A. Varga, Chief

Gentlemen:

Due to a printing error, page 3.8-45c was inadvertently omitted from the submittal of Amendment 12 dated October 6, 1978.

This page should be incorporated in the Black Fox Preliminary Safety Analysis Report.

Very truly yours,

BLACK & VEATCH

E. L. Cox

KAS:elw
Enclosure

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3/60*

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Abnormal/extreme environmental conditions

The Strength Design method shall be used and the following load combinations shall be satisfied:

(iv) $U = D + L + T_o + R_o + H + B$

(v) $U = D + L + T_o + R_o + H + Feqs$

*(v[1]) $U = D + L + H_2 + Feqs$ | 12

(vi) $U = D + L + T_o + R_o + H$

(vii) $U = D + L + T_o + R_o + H + W_t$

*(vii[1]) $U = D + L + H_2 + W_t$ | 12

(viii) $U = D + L + T_a + R_a + 1.5\ P_a + H$

(ix) $U = D + L + T_a + R_a + 1.25\ P_a + H + 1.25\ Feqo + (Y_r + Y_j + Y_m)$

(x) $U = D + L + T_a + R_a + P_a + H + Feqs + (Y_r + Y_j + Y_m)$

Both cases of L having it's full value or being completely absent shall be considered.

*Note: These loading combinations are applicable as a station shutdown condition and apply only to the design of the exterior subgrade walls of the structures. | 12

3.8.4.2.3.3 Load Combinations for Steel Members

Either the elasitic working stress design methods of Part 1 of AISC, or the plastic design methods of Part 2 of AISC, may be used.

a) If the elastic working stress design methods are used:

(i) $S = D + L$

(ii) $S = D + L + Feqo$

(iii) $S = D + L + W$

If thermal stresses due to T_o and R_o are present and are secondary and self-limiting in nature, the following combinations should also be satisfied:

(i)a $1.5\ S = D + L + T_o + R_o$