



**PUBLIC SERVICE COMPANY OF COLORADO**

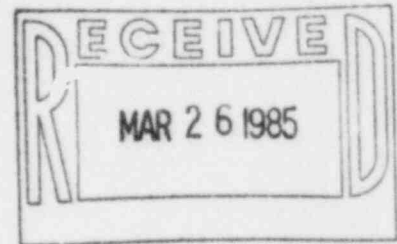
P. O. BOX 840 · DENVER, COLORADO 80201

OSCAR R. LEE  
VICE PRESIDENT

March 21, 1985  
Fort St. Vrain  
Unit No. 1  
P-85099

Regional Administrator  
Region IV  
U. S. Nuclear Regulatory Commission  
611 Ryan Plaza Drive, Suite 1000  
Arlington, TX 76011

Attn: Mr. Eric H. Johnson



DOCKET NO. 50-267

SUBJECT: Revision 1 of the Reserve  
Shutdown Absorber Material  
Evaluation Report

- REFERENCES: 1) NRC Letter, H.R. Denton  
to R.F. Walker, dated  
10-16-84 (G-84392)  
2) PSC Letter, O.R. Lee to  
R.D. Martin, dated  
01-04-85 (P-85003)  
3) NRC Letter, R.D. Martin  
to O.R. Lee, dated  
01-17-85 (G-85024)  
4) PSC Letter, O.R. Lee to  
E.H. Johnson, dated  
01-28-85 (P-85027)

Dear Mr. Johnson:

Public Service Company has recently been informed by Advanced Refractory Technologies (ART) that some of the reserve shutdown material manufactured in 1982-83 was fabricated using an organic binder as opposed to a phenolic resin. In specific, the 7/16" 20 w/o material was manufactured using an organic binder system composed of Norlig NH (supplied by Reed Lignon Corporation, a subsidiary of American Can Company) and Avicel (supplied by FMC Corporation). The 9/16", 40 w/o material manufactured in 1982-83 and both the 7/16" and

85-94  
8504020299 850321  
PDR ADOCK 05000267  
S PDR

H005.11  
RETURN ORIGINAL  
TO RIV

9/16" materials fabricated in 1984-85 used phenolic resin as the binder material.

From a technical standpoint, all of these binders are reduced to a carbonaceous residue during the manufacturing process at the temperatures used in final heat treatment of the material and both binder systems performed satisfactorily during plastic deformation testing at high temperatures. While the conclusions remain unchanged from PSC's original report submittal, the recent information obtained from ART requires a revision to the report to correct a technical point regarding binder material.

Attached is Revision 1 to Attachment 1 of the Report (P-85027). Corrections to Attachment 1 are identified by a bar notation in the right hand margin. Attachments 2 thru 5 remain unchanged. If you have any questions or require further information, please contact Mr. M. H. Holmes at (303) 571-8409.

Very truly yours,

*O. R. Lee / by Don Warrumbury*  
O. R. Lee, Vice President  
Electric Production

ORL/LMM:pa

Attachment

cc: Jim Miller (NRC) - 2 copies  
LANL - 1 copy