

NBR PDR



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

JUN 13 1979

Docket No. 50-395

Mr. E. H. Crews, Jr.  
Vice President and Group Executive  
Engineering and Construction  
South Carolina Electric and Gas Company  
P. O. Box 764  
Columbia, South Carolina 29218

Dear Mr. Crews:

SUBJECT: INSTRUMENT QUALIFICATION  
(Virgil C. Summer Nuclear Plant, Unit 1)

As discussed below, we recently completed our review of a Westinghouse Electric Corporation report entitled, "Qualification and Testing of Barton Pressure and Differential Pressure Transmitters" (Proprietary). This report was submitted to us by a letter dated September 29, 1978. The Summer Final Safety Analysis Report (FSAR) identifies the instruments described in that Westinghouse report as being components of safety related systems in the Summer plant. The purpose of this letter is to inform you of the results of our review of the qualification of Barton pressure and differential pressure transmitters and the actions we now require of operating license applicants.

In summary, our review concluded that the tests described in the Westinghouse report provided additional assurance that the transmitters would initiate short-term protective actions within acceptable instrument accuracies. However, the tests do not provide an acceptable basis to support the use of these transmitters to provide information required for operator actions during long term post-accident cooling. In our evaluation, we requested that Westinghouse provide additional justification to demonstrate that these transmitters meet all of their performance specification requirements. In the interim, we are requesting that applicants for an operating license describe (1) alternate qualified instruments and/or procedures for manually controlling reactor conditions during long term post-accident cooling, and (2) the bases for acceptability of the measured error in the Barton 763 narrow range pressure transmitter for initiating short term protection system actions.

442 ~~350~~  
351

(4)

7908020541

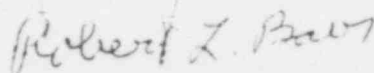
Mr. E. H. Crews, Jr.

- 2 -

JUN 13 1979

We have requested that Westinghouse provide us with a schedule for the submittal of additional information. This schedule has not yet been received. If the schedule for submittal of the additional information or our review schedule does not support resolution of this matter prior to the projected fuel load date for the Summer plant, you will be requested to submit the information required by our interim position.

Sincerely,



Robert L. Baer, Chief  
Light Water Reactors Branch No. 2  
Division of Project Management

ccs: See next page

442 351  
352

Mr. E. H. Crews, Jr., Vice President  
and Group Executive - Engineering  
and Construction  
South Carolina Electric & Gas Company  
P. O. Box 764  
Columbia, South Carolina 29218

JUN 13 1979

cc: Mr. H. T. Babb  
General Manager - Nuclear Operations  
South Carolina Electric & Gas Company  
P. O. Box 764  
Columbia, South Carolina 29218

G. H. Fischer, Esq.  
Vice President & General Counsel  
South Carolina Electric & Gas Company  
P. O. Box 764  
Columbia, South Carolina 29218

Mr. William C. Mescher  
President & Chief Executive Officer  
South Carolina Public Service Authority  
223 North Live Oak Drive  
Moncks Corner, South Carolina 29461

Mr. William A. Williams, Jr.  
Vice President  
South Carolina Public Service Authority  
223 North Live Oak Drive  
Moncks Corner, South Carolina 29461

Wallace S. Murphy, Esq.  
General Counsel  
South Carolina Public Service Authority  
223 North Live Oak Drive  
Moncks Corner, South Carolina 29461

Troy B. Conner, Jr., Esq.  
Conner, Moore & Corber  
1747 Pennsylvania Avenue, N. W.  
Washington, D. C. 20006

Mr. Mark B. Whitaker, Jr.  
Licensing and Staff Engineer  
South Carolina Electric & Gas Company  
P. O. Box 764  
Columbia, South Carolina 29218

Mr. O. W. Dixon  
Group Manager, Production Engineering  
South Carolina Electric & Gas Company  
P. O. Box 764  
Columbia, South Carolina 29218

442 ~~352~~  
353

Mr. E. H. Crews, Jr.

- - JUN 13 1979

cc: Mr. Brett Allen Bursey  
Route 1 Box 93C  
Little Mountain, South Carolina 29076

442 353  
291