ATTACHMENT 1

A DECADE OF SERVICE
WOG
10TH ANNIVERSARY
1979-1989

Westinghouse Owners Group

Domestic Utilities
Alabama Power
American Electric Power
Carolina Power & Light
Commonwealth Edison
Consolidated Edison
Duquesne Light
Duke Power
Georgia Power
Florida Power & Light
Houston Lighting & Power
New York Power Authority
Northeast Utilities
Northern States Power
Pacific Gas & Electric
Pennsylvania General Electric
Public Service Electric & Gas
Public Service of New Hampshire
Rochester Gas & Electric
South Carolina Electric & Gas
Southern California Edison
Tennessee Valley Authority
Texas Utilities Electric
Union Electric
Virginia Power
Wisconsin Electric Power
Wisconsin Public Service
Wolf Creek Nuclear
Yankee Atomic Electric
Foreign Utilities
Belgian
ENEL
Kansai Electric Power
Korea Electric
Nuklearna Elektrarna
Spanish Utilities
Swedish State Power Board
Taiwan Power

OG-90-64

October 30, 1990

Mr. Dave Modeen
NUMARC
1776 Eye Street N.W.
Suite 300
Washington, DC 20006-2496

Subject: Westinghouse Owners Group
Response to Severe Accident "A Strategies"

Dear Mr. Modeen,

The letter is in response to the NRC concerns voiced at a recent JOG/AMAC meeting regarding the Severe Accident "A Strategies" when compared to the Westinghouse Owners Group Emergency Response Guidelines.

The following responses are provided through the Westinghouse Owners Group.

Item 1 Procedure to refill RWST with borated water, or CST with condensate. Assure adequate supply of boron on site.

RESPONSE Directions are given in the ERGs that address refilling the RWST if inventory is being depleted and cannot be used for recirculation. Examples are ECA-1.1, Step 2 and ECA-3.2, Step 1. Directions are also given to transfer the suction of the auxiliary feedwater pumps from the CST to their alternate source on low CST level. Examples are ECA-0.0, Step 15 and the caution before E-1, Step 3.

Item 2 Maintain ECCS suction to condensate systems to avoid pump failure due to high suppression pool temperature.

RESPONSE Not applicable to PWRs.

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Item 9 Use of CRD pumps (BWR) or charging pumps (PWR) for core injection.

RESPONSE The use of the charging pumps in the ERGs has already been acknowledged.

Item 10 Use of alternate injection (e.g., hydro test pump) when RCP seal cooling is lost.

RESPONSE The ERG reference plant does not have the capability to use any alternate path for RCP seal injection.

Item 11 Procedures (and associated hardware) to enable emergency crosstie of service water and CCW to RHR (BWR) or Feedwater (PWR).

RESPONSE The use of crossties is not specifically addressed in the ERGs although in some cases it may be the alternate suction source for the auxiliary feedwater pumps as discussed in Items 1 and 8 above. The use of crossties is plant specific in nature.

Item 12 Use of condensate, or startup pumps for feedwater injection.

RESPONSE The use of condensate pumps or startup feedwater pumps in the ERGs has already been acknowledged.

Item 13 Procedures (and hardware) to enable emergency connection of AC power supplies between units or to on-site gas turbines.

RESPONSE The background document for ECA-0.0, Steps 5 and 7 (pages 83, 84, and 92) discuss possibilities for plant specific implementation.

Item 14 Use of diesel generator or gas turbine to drive CRD pumps for core injection.

RESPONSE Not applicable for PWRs.

Item 15 Procedures to assure appropriate recirculation switchover and to cope with the failure to switchover in LOCA

RESPONSE The use of procedures to assure appropriate recirculation switchover and failure to switchover in the ERGs has already been acknowledged.

Item 16 Procedures to enable emergency connection of service water or feedwater systems to rivers, reservoirs or municipal water systems.

RESPONSE This item is plant specific in nature and not specifically addresses in the ERGs except with respect to being the alternate suction source for the auxiliary feedwater pumps as discussed in Items 1 and 8.

Item 17 Procedures to initiate SLCS in case of potential core damage and to guard against boron dilution when core injection is restored.

RESPONSE Not Applicable to PWRs.