



South Carolina Electric & Gas Company
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Dan A. Nauman
Vice President
Nuclear Operations

May 19, 1988

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Dr. J. Nelson Grace
Regional Administrator
U. S. Nuclear Regulatory Commission
Region II, Suite 2900
101 Marietta Street, N.W.
Atlanta, Georgia 30323

Subject: Virgil C. Summer Nuclear Station
Docket No. 50/395
Operating License No. NPF-12
Requests for Seven Day Extensions
Technical Specifications
LCO 3.6.2.3, Action Item a.

Dear Dr. Grace:

South Carolina Electric & Gas Company (SCE&G) requests a seven day extension to the seven day action statement for Technical Specifications Limiting Conditions for Operations (LCO) 3.6.2.3, Action Item a. for each train of Reactor Building Cooling Unit (RBCUs). These extensions are to allow chemical cleaning of both the "A" Train and the "B" Train.

"B" Train: An obstruction in the cooling coils of the "B" Train RBCUs has caused a flow reduction to approximately 3600 gpm which is less than the 4000 gpm required by Surveillance Requirement 4.6.2.3.b. It is suspected that the obstruction is due to the carryover of Asiatic clams to the RBCUs from the Service Water Booster Pumps suction piping during the Safety Injection that occurred on April 12, 1988. Normally, the RBCUs receive cooling water from the Industrial Cooling Water System, which is a chemically treated closed loop system. During Safety Injection, the cooling water flow is shifted from Industrial Cooling (non-safety) to the Service Water (safety) system.

The bases for justification of the seven day extension for "B" Train RBCUs are:

1. The Reactor Building Spray System and the RBCUs are redundant to each other in providing post accident cooling of the Reactor Building atmosphere. The Reactor Building Spray System is currently operable and will be maintained operable during the time that the "B" Train RBCUs are inoperable.
2. During the time that chemical cleaning is in progress, the "B" Train RBCUs will be cooled by the Industrial Cooling Water System with the Service Water Booster Pump and Service Water valves to the RBCUs tagged out. If necessary within approximately 15 minutes, the Service Water to the "B" Train RBCUs can be restored.
3. The LCO minimum flows for the RBCU's of 4000 gpm is based upon a Service Water Pond temperature of 95°F. Currently the Service Water Pond temperature is 68°F.

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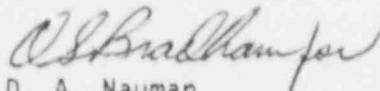
"A" Train: "A" Train RBCUs have approximately 4030 gpm Service Water flow available to them. If the chemical cleaning of the "B" Train RBCUs restores Service Water flow to greater than 4000 gpm, SCE&G plans to chemically clean the "A" Train RBCUs. In order to chemically clean the "A" Train RBCUs, SCE&G also requests a seven day extension of the LCO 3.6.2.3, Action Item a.

The bases for the justification of this extension, as with the extension requested for the "B" Train RBCUs, are:

1. The Reactor Building Spray System and the RBCUs are redundant to each other in providing post accident cooling of the Reactor Building atmosphere. The Reactor Building Spray System is currently operable and will be maintained operable during the time that "A" Train RBCUs are inoperable.
2. During the time that chemical cleaning is in progress, the "A" Train RBCUs will be cooled by the Industrial Cooling Water System with the Service Water Booster Pump and Service Water valves to the RBCUs tagged out. If necessary within approximately 15 minutes, the Service Water to the "A" Train RBCUs can be restored.
3. Currently the "A" Train RBCUs have greater than the LCO required 4000 gpm available to them. Chemical cleaning of "A" Train RBCUs will insure that the required 4000 gpm will be available.

If there are any questions, please call us at your convenience.

Very truly yours,


D. A. Nauman

WRH/DAN:lcd

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