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April 28, 2000

United States Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D.C. 20555

LaSalle County Station, Units 1 and 2  
Facility Operating License Nos. NPF-11 and NPF-18  
NRC Docket Nos. 50-373 and 50-374

Subject: Completion Report for NRC Bulletin 96-03, "Potential Plugging of Emergency Core Cooling Suction Strainers by Debris in Boiling Water Reactors"

References:

1. Letter from W.T. Subalusky (ComEd) to the NRC, "LaSalle County Station Unit 1 and 2 Response to NRC Bulletin 96-03, 'Potential Plugging of Emergency Core Cooling Suction Strainers by Debris in Boiling Water Reactors'" dated November 1, 1996.
2. Letter from R.M. Krich (ComEd) to the NRC, "Information Concerning NRC Bulletin 96-03 – 'Potential Plugging of Emergency Core Cooling Suction Strainers by Debris in Boiling Water Reactors,'" dated May 16, 1998.
3. Letter from R.M. Krich (ComEd) to the NRC, "Results of the Review of the NRC's Safety Evaluation of the Boiling Water Reactor Owners' Group Report, 'Utility Resolution Guidance for Resolution of ECCS Suction Strainer Blockage,'" dated October 19, 1998.

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NRC Bulletin 96-03, "Potential Plugging of Emergency Core Cooling Suction Strainers by Debris in Boiling Water Reactors," Required Response 2, required a report confirming completion of all requested actions and a summary of any actions taken. NRC Bulletin 96-03 identified that the report is due within 30 days of completing all requested actions. The last requested action for LaSalle County Station, Units 1 and 2, was completed on March 31, 2000. This letter contains the report and is required to be submitted no later than April 30, 2000.

LaSalle County Station, Units 1 and 2, have completed all requested actions associated with NRC Bulletin 96-03. In Reference 1, LaSalle County Station chose resolution Option 1 as the basic solution. The implementation of Option 1 has increased the total Emergency Core Cooling System (ECCS) suction strainer surface area by a factor of approximately six (6) over the original strainer design.

As stated in Reference 2, LaSalle County Station does not plan to propose changes to the Technical Specifications to incorporate a surveillance requirement for the ECCS strainers. In lieu of a surveillance requirement, we have chosen to implement the following Station procedures:

- LaSalle County Station Administrative Procedure LAP-400-20, "Primary Containment Debris Material Control Program," defines the roles and responsibilities for implementing the primary containment material control program.
- LaSalle County Station Technical Procedure LTS-600-41, "Primary Containment Inspections For ECCS Suction Strainer Debris Sources," requires that drywell and wetwell inspections be performed each refueling outage to confirm that actual debris quantities are below the design bases calculated limits.
- LaSalle County Station Maintenance Procedure LMP-GM-80, "Suppression Chamber Desludging," provides the steps necessary to desludge the suppression chamber. The desludging frequency is required to be once every refueling outage in accordance with procedure LTS-600-41, until such time that foreign material exclusion controls are proven, in accordance with Reference 3.

The Unit 1 actions associated with NRC Bulletin 96-03 are summarized below.

- During the LaSalle County Station, Unit 1, forced outage of September 22, 1996 through August 12, 1998 (L1F35), all six (6) Duke/Performance Contracting, Inc., Sure-Flow stacked disk strainer assemblies were successfully installed and tested in the suppression pool, one (1) each for the High pressure Core Spray (HPCS) System, Low Pressure Core Spray (LPCS) System, and Reactor Core Isolation Cooling (RCIC) System, and three (3) for the Low Pressure Coolant Injection (LPCI) mode of the Residual Heat Removal (RHR) System.
- To establish a baseline for inspections and cleanings, the Unit 1 wetwell was desludged during L1F35, and the suppression chamber, strainers, and downcomers were inspected.
- While performing insulation repair activities in the drywell during L1F35, it was discovered that the jacketing (lagging) used on the Armaflex anti-sweat insulation and Microtherm insulation contained a fiber-based vapor barrier backing. Non-reflective metal insulation (RMI) systems in the drywell were inspected and re-worked to remove this fiber source. As part of the drywell closeout inspection prior to start-up from L1F35, a walkdown was performed to verify removal of the fiber source.

The Unit 2 actions associated with NRC Bulletin 96-03 are summarized below.

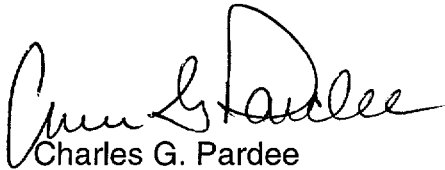
- During the seventh LaSalle Unit 2 refueling outage of September 20, 1996 through April 11, 1999 (L2R07), all six (6) Duke/Performance Contracting, Inc., Sure-Flow stacked disk strainer assemblies were successfully installed and tested in the suppression pool, one (1) each for the HPCS System, LPCS System, and RCIC System, and three (3) for the LPCI mode of the RHR system.
- The Unit 2 wetwell was desludged during L2R07 and the suppression chamber, strainers, and downcomers were inspected.

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- Non-RMI systems (i.e., Armaflex and Microtherm) were inspected and re-worked to remove fiber sources. As part of the drywell closeout inspection prior to start-up from L2R07, a walkdown was performed to verify removal of the fiber source.

Should you have any questions concerning this letter, please contact Mr. Frank A. Spangenberg, III, Regulatory Assurance Manager, at (815) 357-6761, extension 2383.

Respectfully,

A handwritten signature in black ink, appearing to read "Charles G. Pardee". The signature is fluid and cursive, with the first name "Charles" and last name "Pardee" clearly distinguishable.

Charles G. Pardee  
Site Vice President  
LaSalle County Station

cc: Regional Administrator - NRC Region III  
NRC Senior Resident Inspector - LaSalle County Station