



Commonwealth Edison
1400 Opus Place
Downers Grove, Illinois 60515

February 22, 1994

Mr. William T. Russell, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington D.C. 20555

Attn.: Document Control Desk

Subject: Quad Cities Station Units 1 and 2
Revision to the Reactor Water Cleanup (RWCU) Outboard Piping
Inspection Plan for Quad Cities Station
NRC Docket Nos. 50-254 and 50-265

References: (a) J.L. Schrage to T.E. Murley letter dated December 14, 1992
(b) B.L. Siegel to T.J. Kovach letter dated December 23, 1992
(c) P.L. Piet to T.E. Murley letter dated August 20, 1993

Mr. Russell,

In Reference (a), Commonwealth Edison Company (CECo) submitted a proposed RWCU Outboard Piping Inspection Plan for Dresden and Quad Cities Stations, in order to address the requirements of Generic Letter 88-01 (and Supplement 1) with regards to this piping. In Reference (b), the NRC approved the Inspection Plan. CECo implemented this Inspection Plan during the twelfth refuel outage on Quad Cities Station Unit 2 (Q2R12). CECo provided the results of the inspection to the NRC in Reference (c). Based upon the inspection results, CECo also described the proposed RWCU Outboard Piping actions (inspection and replacement) for Quad Cities Station Units 1 and 2 during the upcoming refuel outages. This letter transmits a revision to the proposed replacement actions previously presented in Reference (c). 7

Current Inspection/Replacement Plan

Reference (a) stated that if the total number of supply side indications for a particular unit exceeded 40% of the total number of supply side welds inspected for that unit, CECo would replace the supply side piping (through the regenerative heat exchangers) for that unit during the first refuel outage subsequent to inspections on the unit (given procurement restraints).

9403040180 940222
PDR ADOCK 05000254
PDR

ADD 1/0

Reference (a) also provided criteria for increased inspections and ultimate replacement actions for the return side piping on a particular unit, subsequent to the initial inspections on that unit. If the initial inspections of the return side welds resulted in flaw indications on a particular unit, CECo would inspect an expanded sample of welds during subsequent outages on that unit. If the total number of return side indications for a particular unit, with a minimum sample size of eight return side welds, exceeded 40% on that unit, CECo would replace the return side piping on that unit during the first refuel outage subsequent to the inspections on that unit.

Proposed Inspection/Replacement Plan

CECo proposes to replace all IGSCC susceptible outboard supply and return piping and the regenerative heat exchangers on both Units 1 and 2 with IGSCC resistant material in lieu of performing any future inspections.

CECo will replace all IGSCC susceptible RWCU outboard supply side piping (through the regenerative heat exchangers) during the following refuel outages at Quad Cities Station:

Q2R13 Scheduled to start in January 1995

Q1R14 Scheduled to start in September 1995

This proposed replacement schedule is consistent with the original schedule submitted in Reference (a), in that the RWCU outboard supply side piping will be replaced during the first outage subsequent to inspections on the Unit 2 RWCU outboard piping (Q2R13), and the first outage subsequent to the originally scheduled inspections for the Unit 1 RWCU outboard piping (Q1R14).

CECo will replace all IGSCC susceptible RWCU outboard return side piping during the following refuel outages at Quad Cities Station:

Q2R14 Scheduled to start in September 1996

Q1R15 Scheduled to start in October 1997

Replacement of the supply side piping prior to the return side piping is consistent with the inspection plan approach submitted in Reference (a), as evidenced by the fact that the inspection plan allows for return side weld inspections during more than one refueling outage prior to necessitating a decision on pipe replacement.

It should also be noted that in conjunction with the replacement of the outboard supply and return piping, the suction and discharge piping for the pumps which had previously been exposed to high temperature conditions, as discussed in Reference (c), will also be replaced.

February 22, 1994

If there are any further questions, please contact John L. Schrage at 708-663-7283.

Very truly yours,



John L. Schrage
Nuclear Licensing Administrator

cc: J. Martin, Regional Administrator-RIII
T. Taylor, Senior Resident Inspector-Quad Cities
C. Patel, Project Manager-NRR
Office of Nuclear Facility Safety - IDNS