

Commonwealth Edison Company
Quad Cities Generating Station
82710 206th Avenue North
Cordova, IL 61242-9740
Tel 309-654-2241



SVP-99-125

June 15, 1999

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D C 20555

Quad Cities Nuclear Power Station, Units 1 and 2
Facility Operating License Nos. DPR-29 and DPR-30
NRC Docket Nos. 50-254 and 50-265

Subject: Submittal of Technical Information Regarding Emergency Core Cooling System (ECCS) Suction Strainers

Reference: Letter from J. P. Dimmette, Jr. (ComEd), SVP-99-012, to USNRC, dated January 29, 1999, "Request for License Amendment Pursuant to 10 CFR 50.90 Credit for Containment Overpressure"

The purpose of this letter is to transmit technical information regarding the Emergency Core Cooling System (ECCS) suction strainers at Quad Cities Nuclear Power Station, Units 1 and 2. During a May 20 1999 teleconference between R.M. Pulsifer (USNRC) and Commonwealth Edison (ComEd) Company, the NRC requested head loss information to support the review of the referenced license amendment request regarding containment overpressure credit. In April 1998, head loss testing of a clean Unit 1 ECCS suction strainer was performed and the test results are contained in the attached report. The flow versus head loss curve for the strainer was used to determine a resistance coefficient (K). Note that Quad Cities Nuclear Power Station Calculation QDC-1000-M-0419 is the hydraulic ECCS model provided in support of the referenced submittal, which used a clean strainer K value equal to 1.16. This K value is consistent with the information contained in the attached report.

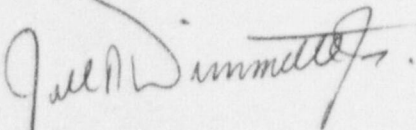
9906210131 990615
PDR ADDCK 05000254
P PDR

1/1
A001

June 15, 1999
U.S. Nuclear Regulatory Commission
Page 2

Should you have any questions concerning this letter, please contact Mr. Wally Beck,
Acting Regulatory Assurance Manager at (309) 654-2241, extension 3100.

Respectfully,



Joel P. Dimmette, Jr.
Site Vice President
Quad Cities Nuclear Power Station

Attachment: Duke Engineering & Services Report, "Clean ECCS Suction Strainer
Head Loss Test Report," TR-VQ1500-02, Rev. 0, September 24, 1998

cc: Regional Administrator – NRC Region III
NRC Senior Resident Inspector – Quad Cities Nuclear Power Station

ATTACHMENT

**Duke Engineering & Services Report
Clean ECCS Suction Strainer Head Loss Test Report
TR-VQ1500-02, Rev. 0
September 24, 1998**