

1400 Opus Place
Downers Grove, IL 60515-5701

ComEd

August 27, 1996

U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Attn: Document Control Desk

Subject: Dresden Nuclear Power Station Units 2 and 3
Quad Cities Nuclear Power Station Units 1 and 2
Reactor Water Clean Up (RWCU) System, High
Energy Line Break (HELB) Outside the Drywell
NRC Docket Numbers 50-237/249 and 50-254/265

On August 14, 1996, ComEd was made aware that a BWR similar in design and licensing basis to Dresden and Quad Cities had determined that a RWCU HELB at less than 100 per cent power may exceed their Part 100 and Equipment Qualification licensing basis. Unlike the above unit and Dresden and Quad Cities stations, modern BWRs auto isolate RWCU on direct indication of a HELB versus only on reactor water level.

An Engineering review was initiated to evaluate this issue at both Dresden and Quad Cities Stations and concluded that the above concern applies at both stations. Analysis to date assuming 10 minutes for operator action shows that interim measures that limit both mass release and coolant activity will insure that both Dresden and Quad Cities will remain within their licensing basis Part 100 and EQ limits. These interim measures are:

- A). Manual Isolation of RWCU System with Reactor Coolant Specific Activity > 0.2 μ Ci/g I-131 Dose Equivalent.
- B). Manual Isolation of RWCU at 150°F on Any Channel of the RWCU Area Temperature Monitoring Instrumentation.

These interim measures are in place at both Dresden and Quad Cities Stations and appropriate operator training is in place.

ComEd's review of this issue is on file at each station.

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With the imposition of these interim actions we believe that the units at both stations are within our licensing basis. Within 30 days of the date of this letter, ComEd will complete its assessment of this issue and apprise the NRC of our long term resolution plan. This review will be comprehensive and will consider all options, up to and including modifications to the RWCU isolation circuitry.

Please direct any questions pertaining to this issue to Bob Rybak of our staff.

Sincerely,



John Hosmer

Engineering Vice President

cc: A. Beach, Regional Administrator - RIII
R. Capra, Project Director III-2 - NRR
J. Stang, Project Manager - NRR
R. Pulsifier, Project Manager - NRR
C. Vanderniet, Senior Resident Inspector - Dresden
C. Miller, Senior Resident Inspector - Quad Cities
C. Settles, Dresden Resident Inspector - IDNS