



April 19, 1996

U.S. Nuclear Regulatory Commission  
Washington, DC 20555  
Attention: Document Control Desk

Subject: Braidwood Station Units 1 and 2  
Byron Station Units 1 and 2  
Dresden Station Units 2, and 3  
LaSalle County Station Units 1 and 2  
Quad Cities Station Units 1 and 2  
Zion Station Units 1 and 2

Commonwealth Edison Company (ComEd) Response to NRC Generic Letter (GL), GL 96-01, "TESTING OF SAFETY-RELATED LOGIC CIRCUITS," dated January 10, 1996.

NRC Dockets 50-454 and 50-455  
NRC Dockets 50-456 and 50-457  
NRC Dockets 50-237 and 50-249  
NRC Dockets 50-373 and 50-374  
NRC Dockets 50-254 and 50-265  
NRC Dockets 50-295 and 50-304

Reference: NRC Generic Letter 96-01, "TESTING OF SAFETY-RELATED LOGIC CIRCUITS," dated January 10, 1996.

In the Referenced letter, the NRC staff notified licensees about problems with testing of safety-related logic circuits. The NRC staff has documented a significant number of instances involving problems with logic testing of safety-related circuits in several previously issued NRC Information Notices. These Information Notices discuss events at various pressurized water and boiling water reactors. To address these deficiencies, the NRC staff has determined that licensees may not have yet adequately addressed this issue and further action was necessary. In GL 96-01, the NRC staff requested that all licensees implement the following actions:

230014

9604230100 960419  
PDR ADDCK 05000237  
P PDR

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AD67

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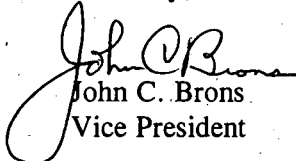
- (1) *Compare electrical schematic drawings and logic diagrams for the reactor protection system, EDG load shedding and sequencing, and actuation logic for the engineered safety features systems against plant surveillance test procedures to ensure that all portions of the logic circuitry, including the parallel logic, interlocks, bypasses and inhibit circuits, are adequately covered in the surveillance procedures to fulfill the TS requirements. This review should also include relay contacts, control switches, and other relevant electrical components within these systems, utilized in the logic circuits performing a safety function.*
- (2) *Modify the surveillance procedures as necessary for complete testing to comply with the technical specifications. Additionally, the licensee may request an amendment to the technical specifications if relief from certain testing requirements can be justified.*

*It is requested the completion of these actions be accomplished prior to startup from the first refueling outage commencing one year after the issuance of this generic letter."*

**ComEd has reviewed Generic Letter 96-01. ComEd's implementation of the actions as described above for each of our six stations is noted in the attachment provided herein. ComEd will confirm completion of the actions requested by Generic Letter 96-01 within 30 days following their completion.**

Please direct any questions concerning this response to this office.

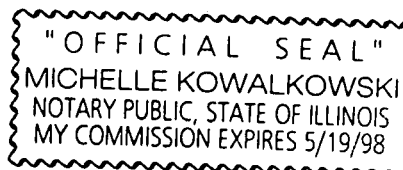
Sincerely,

  
John C. Brons  
Vice President

Signed before me on this 19<sup>th</sup> day,

of April, 1996.

Notary Public  
Michelle Kowalkowski



April 19, 1996

Attachment: ComEd Commitments to Generic Letter 96-01

cc: H. Miller, Regional Administrator-RIII  
J. Jacobson, Region III  
R. Capra, Director of Directorate III-2, NRR  
G. Dick, Byron Project Manager, NRR  
R. Assa, Braidwood Project Manager, NRR  
J. Stang, Dresden Project Manager, NRR  
D. Skay, LaSalle Project Manager, NRR  
R. Pulsifer, Quad Cities Project Manager, NRR  
C. Shiraki, Zion Project Manager, NRR  
C. Phillips, Senior Resident Inspector (Braidwood)  
H. Peterson, Senior Resident Inspector (Byron)  
C. Vanderniet, Senior Resident Inspector (Dresden)  
P. Brochman, Senior Resident Inspector (LaSalle)  
C. Miller, Senior Resident Inspector (Quad Cities)  
R. Westberg, Senior Resident Inspector (Zion)

## ATTACHMENT

### ComEd Commitments to Generic Letter 96-01

#### **Dresden**

Dresden Nuclear Power Station has reviewed the Referenced Generic Letter and commits to implement the actions as described above for each of our units prior to startup from the first refueling outage for which the refueling outage commencement is later than January 10, 1997 - one year after issuance of GL 96-01. Based on the existing schedule, the actions will be implemented during the following refuel outages:

Unit 2: D2R15 - presently scheduled for Fall, 1997

Unit 3: D3R15 - presently scheduled for Fall, 1998

#### **LaSalle County**

LaSalle County Station has reviewed the Referenced Generic Letter and commits to implement the actions as described above for each of our units prior to startup from the first refueling outage for which the refueling outage commencement is later than January 10, 1997 - one year after issuance of GL 96-01. Based on the existing schedule, the actions will be implemented during the following refuel outages:

Unit 1: L1R08 - commencing September, 1997

Unit 2: L2R08 - commencing September, 1998

#### **Quad Cities**

Quad Cities Nuclear Station has reviewed the Referenced Generic Letter and commits to implement the actions as described above for each of our units prior to startup from the first refueling outage for which the refueling outage commencement is later than January 10, 1997 - one year after issuance of GL 96-01. Based on the existing schedule, the actions will be implemented during the following refuel outages:

Unit 2: Q2R14 - presently scheduled for First Quarter, 1997

Unit 1: Q1R15 - presently scheduled for First Quarter, 1998

#### **Zion**

Zion Nuclear Power Station has reviewed the Referenced Generic Letter and commits to implement the actions as described above for each of our units prior to startup from the first refueling outage for which the refueling outage commencement is later than January 10, 1997 - one year after issuance of GL 96-01. Based on the existing schedule, the actions will be implemented during the following refuel outages:

Unit 1: Z1R15 - commencing March 8, 1997

Unit 2: Z2R15 - commencing May 9, 1998

## ATTACHMENT

(continued)

### ComEd Commitments to Generic Letter 96-01

#### **Byron**

The start of the first refueling outage after January 10, 1997, is for Byron Unit 1 (B1R08). This outage is currently scheduled to begin September 5, 1997. Byron Station will implement the actions requested by GL 96-01 for both Unit 1 and Unit 2 in accordance with the Technical Specifications in effect as of the date of startup from B1R08.

Byron Station is in the process of a conversion to the Improved Standard Technical Specifications (ISTS). The current schedule for the ISTS conversion submittal is August, 1996. A review of GL 96-01 requirements will be conducted for ISTS prior to implementation.

#### **Braidwood**

Braidwood Nuclear Power Station has reviewed the Referenced Generic Letter and commits to implement the actions as described above for each of our units prior to startup from the first refueling outage for which the refueling outage commencement is later than January 10, 1997 - one year after issuance of GL 96-01. Based on the existing schedule, the actions will be implemented during the following refuel outages:

Unit 1: A1R06 - commencing March 29, 1997

Unit 2: A2R06 - commencing September 27, 1997

Braidwood Station is in the process of a conversion to the Improved Standard Technical Specifications (ISTS). The current schedule for the ISTS conversion is August, 1996. Braidwood Station will implement the actions requested by GL 96-01, in accordance with the existing Technical Specifications. Further follow-up actions resulting from the ISTS Project will be implemented upon acceptance and implementation of the ISTS.