

Docket Nos.: STN 50-454
and STN 50-455

OCT 5 1982

APPLICANT: Commonwealth Edison Company

FACILITY: Byron Station, Units 1 and 2

SUBJECT: SITE REVIEW OF PHYSICAL INDEPENDENCE OF ELECTRICAL SYSTEMS

A meeting was held August 18, 1982 in Sargent & Lundy offices in Chicago, Illinois and August 19, 1982 at the plant site in Byron, Illinois with representatives from Commonwealth Edison Company and Sargent & Lundy. The meeting was held to review the design drawings and view the installation and arrangement of electrical equipment and cables in order to verify proper implementation of the applicant's separation criteria. A list of attendees is given in Enclosure 1.

In the Byron SER (February 1982) Section B.4.4, the staff documented its review of the applicant's design criteria regarding physical identification, separation, and independence of redundant safety-related electrical systems. The staff found these criteria to be in accordance with Regulatory Guide 1.75, "Physical Independence of Electrical Systems," and therefore acceptable, subject to verification of implementation at a site visit.

The site visit include the following items: control board and annunciator panel, cable runs and cable spreading, switch gear room, battery and charger installation, diesel generator, switchyard, remote shutdown panel, ESF systems and pump rooms, and vital instrumentation power supply installation.

As a result of the site tour, the staff found that the installation of electrical equipment and cables at the Byron Station is in conformance with the applicant's design criteria. The staff did not identify any deviations from the applicant's design criteria.

Original signed by:
Kenneth L. Kiper

Kenneth L. Kiper, Project Manager
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Enclosure:
As stated

cc w/encl.: See next page

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ENCLOSURE

August 18-19, 1982
Attendees

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B. Treece
T. Thorsell
T. Eisenbart
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M. Murskyo
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J. Regan
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MEETING SUMMARY

OCT 5 1982

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TERA
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LB#1 Rdg. (2)
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PARTICIPANTS (NRC):

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