



Commonwealth Edison
1400 Opus Place
Downers Grove, Illinois 60515

December 13, 1991

Dr. Thomas E. Murley, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Attn: Document Control Desk

Subject: Zion Station Units 1 and 2
Eagle-21 Process Protection System Upgrade
Technical Documentation
NRC Docket Nos. 50-295 and 50-304

References: (a) October 22, 1991 letter from S.F. Stimac
to T.E. Murley
(b) November 26, 1991 Eagle-21 Technical
meeting at NRR

Dear Dr. Murley:

Reference (a) described Commonwealth Edison Company's (CECo's) plans to upgrade the Zion Station Process Protection System during the next scheduled refueling outages for both units. Our plans call for the replacement of the existing Westinghouse 7100 series analog equipment with the Westinghouse Eagle-21 digital system. CECO is currently preparing a license amendment request to support this change.

The license amendment request will include information to address comments and concerns discussed with members of your staff at the reference (b) meeting. CECO expects to submit the license amendment by December 26, 1991. The purpose of this letter is to provide, in advance, a portion of the technical documentation which would otherwise be included as attachments to the license amendment request.

The technical documentation is subdivided as follows:

- 1) Attachment A contains one copy of WCAP-12374, "Topical Report, Eagle-21 Microprocessor-Based Process Protection System", September 1989 (Proprietary) and one copy of WCAP-12375, "Topical Report, Eagle-21 Microprocessor-Based Process Protection System", September 1989 (Non-Proprietary).
- 2) Attachment B contains one copy of WCAP-12889, "Zion Unit 1 Eagle-21 Process Protection System Replacement Hardware Verification and Validation Report", February 1991 (Non-Proprietary).

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- 3) Attachment C contains one copy of WCAP-11733, "Noise, Fault, Surge, and Radio Frequency Interference Test Report for Westinghouse Eagle-21 Process Protection Upgrade System", June 1988 (Proprietary) and one copy of WCAP-11896, "Noise, Fault, Surge, and Radio Frequency Interference Test Report for Westinghouse Eagle-21 Process Protection Upgrade System", July 1988 (Non-Proprietary).
- 4) Attachment D contains one copy each of the following:
 - * WCAP-8687, Supp. 2-E69C, "Equipment Qualification Test Report - Eagle-21 Process Protection System Components (Environmental and Seismic)", February 1991 (Proprietary);
 - * WCAP-8687, Supp. 2-E69B, "Equipment Qualification Test Report - Eagle-21 Process Protection System Components (Environmental and Seismic)", February 1990 (Proprietary);
 - * WCAP-8687, Supp. 2-E69A, "Equipment Qualification Test Report - Eagle-21 Process Protection System (Environmental and Seismic Testing)", May 1988 (Proprietary);
 - * WCAP-8587, Supplement 1 EQDP Eagle-21 Process Protection System (Environmental and Seismic)", February 1991 (Non-Proprietary).
- 5) Attachment E contains Westinghouse authorization letters CAW-91-154, CAW-91-240, and CAW-91-241, accompanying affidavits, Proprietary Information Notices, and Copyright Notices. As Attachments A, C, and D contain information proprietary to Westinghouse Electric Corporation, they are supported by affidavits signed by Westinghouse, the owner of the information. The affidavits set forth the basis on which the information may be withheld from public disclosure by the Commission and address with specificity the considerations listed in paragraph (b)(4) of Section 2.790 of the Commission's regulations. Accordingly, it is respectfully requested that the information which is proprietary to Westinghouse be withheld from public disclosure in accordance with 10 CFR Section 2.790 of the Commission's regulations. Correspondence with respect to the copyright or proprietary aspects of the items listed above or the supporting Westinghouse Affidavits should reference CAW-91-154, CAW-91-240, or CAW-91-241 as applicable, and should be addressed to R.P. DiPiazza, Manager of Nuclear Safety Licensing, Westinghouse Electric Corporation, P.O. Box 355, Pittsburgh, Pennsylvania 15230-0355.

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Please direct any questions you may have to this office.

Respectfully,



S.F. Stimac
Nuclear Licensing Administrator

Attachments: A) Eagle-21 Topical Report
B) Eagle-21 Verification and Validation Report
C) Eagle-21 Noise, Fault, Surge, and Radio Interference Test Report
D) Eagle-21 Equipment Qualification Test Report
E) Proprietary Authorizations/Notices

cc: A. Bert Davis, Regional Administrator - RIII
J.B. Hickman, Project Manager - NRR
J.D. Smith, Senior Resident Inspector - Zion

ATTACHMENT E
PROPRIETARY AUTHORIZATIONS/NOTICES

CAW-91-154

CAW-91-240,

AND

CAW-91-241