



Nebraska Public Power District

COOPER NUCLEAR STATION  
P.O. BOX 98, BROWNVILLE, NEBRASKA 68321  
TELEPHONE (402) 825-3811

50-298

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May 15, 1981



Director, Nuclear Reactor Regulation  
Attention: Mr. Thomas A. Ippolito, Chief  
Operating Reactors Branch No. 2  
Division of Operating Reactors  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Subject: R.P.S. Protective Circuit Seismic Retrofit Package

Dear Mr. Ippolito:

Your letter dated September 24, 1980 stated deficiencies in our present regulator system for RPS and requested modifications. You also stated that installation of a conceptual design proposed by General Electric was an acceptable solution to the concern. We were requested to submit to you within 60 days of receipt of your letter (1) our commitment to install a Class IE System, (2) schedule for completion of the modification, and (3) schedule for submission of design information and proposed Technical Specification.

We informed you in our December 2, 1980 letter that we would be installing a Class IE System. We also indicated that we planned to complete the modification by the end of our Spring 1982 refueling outage. We stated that we would submit design information to you prior to June 1, 1981. At that time, we also expected to submit proposed Technical Specifications by June 1, 1981.

The RPS modification will be in accordance with GE Document NEDO-24317, RPS Protective Circuit Upgrade Description. Two Electrical Protection Assemblies (EPA) will be connected in series with each RPS's power source - both normal and alternate. Each assembly consists of trip components which disconnect the RPS bus whenever voltage or frequency exceeds its normal tolerance.

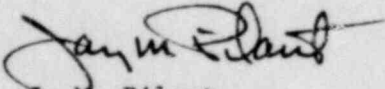
Protective circuits for undervoltage, overvoltage, and underfrequency will be seismically qualified. Each EPA will be environmentally qualified to the requirements of IEEE-323, 1974 and will meet the testability requirement for Class IE equipment.

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Mr. Thomas A. Ippolito  
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We will submit proposed Technical Specification when the minor design change is finalized and approved.

Sincerely,

A handwritten signature in cursive script, appearing to read "J. M. Pilant".

J. M. Pilant  
Director of Licensing  
and Quality Assurance

JMP:LCL:cg