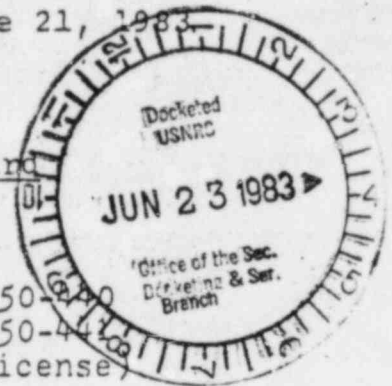


UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

Before the Atomic Safety and Licensing Board

In the Matter of  
CLEVELAND ELECTRIC ILLUMINATING  
COMPANY, Et Al,  
(Perry Nuclear Power Plant,  
Units 1 and 2)

Docket Nos. 50-440  
50-441  
(Operating License)



OCRE'S SUPPLEMENTAL RESPONSE TO APPLICANTS' THIRD SET  
OF INTERROGATORIES

Issue #14 In-Core Thermocouples

15. Concerning the type of in-core thermocouple to be used  
at PNPP:

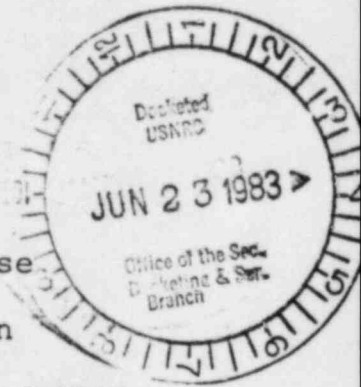
Of the thermocouple types listed in NBS Monograph 125,  
"Thermocouple Reference Tables Based on the IPTS-68",  
U.S. Department of Commerce, National Bureau of Standards,  
March 1974, OCRE would recommend the Type K, nickel-  
chromium alloy vs. nickel-aluminum alloy, or "chromel-  
alumel" thermocouple because of its suitable temperature  
range (-250 to 1260°C, continuous use) and its stability  
under neutron irradiation.

Respectfully submitted,

Susan L. Hiatt  
OCRE Representative  
8275 Munson Rd.  
Mentor, OH 44060  
(216) 255-3158

8306270017 830621  
PDR ADOCK 05000440  
G PDR

AFFIDAVIT



I, Susan L. Hiatt, duly sworn depose and say that:  
I am responsible for the answers given in "OCRE's Response to Applicants' Interrogatories and Request for Production of Documents (Fourth Set)" and in "OCRE's Supplemental Response to Applicants' Third Set of Interrogatories"; and  
that these answers are true to the best of my knowledge and belief.

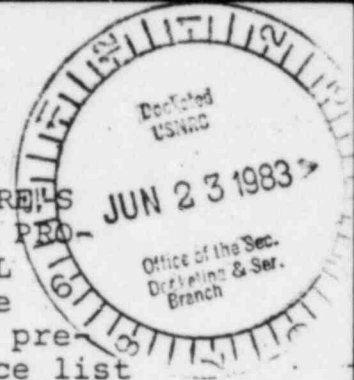
Susan L. Hiatt  
Susan L. Hiatt

Sworn to and subscribed before me this 20<sup>th</sup> day of June, 1983.

Mark Eiger  
Notary Public  
MARLEY FORD EIGER, Attorney At Law  
Notary Public - State of Ohio  
My commission has no expiration date,  
Section 147.03 R. C.

CERTIFICATE OF SERVICE

This is to certify that copies of the foregoing OCRE'S RESPONSES TO APPLICANTS' INTERROGATORIES AND REQUEST FOR PRODUCTION OF DOCUMENTS (FOURTH SET) and OCRE'S SUPPLEMENTAL RESPONSE TO APPLICANTS' THIRD SET OF INTERROGATORIES were served by deposit in the U.S. Mail, first class, postage prepaid, this 21st day of June, 1983 to those on the service list below.



*Susan L. Hiatt*  
\_\_\_\_\_  
Susan L. Hiatt

SERVICE LIST

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