



Consumers Power Company

General Offices: 212 West Michigan Avenue, Jackson, Michigan 49201 • Area Code 517 788-0550

December 12, 1969

Dr. P. A. Morris, Director
Division of Reactor Licensing
United States Atomic Energy Commission
Washington, DC 20545

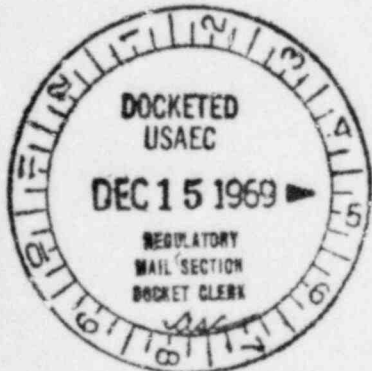
Regulatory File Cy.
Re: Docket 50-155
DPR-6 ZEK

Dear Dr. Morris:

Att: Mr. D. J. Skovholt

Transmitted herewith are two copies of each of the following:

- GEAP-5751 Power Reactor High Performance UO₂ Program, Progress Report No. 8, July 1-September 30, 1968
- GEAP-5771 Power Reactor High Performance UO₂ Program, Progress Report No. 9, October 1, 1968-March 31, 1969
- GEAP-10039 Power Reactor High Performance UO₂ Program, Analysis of Fission Product Release Related to Centermelt Fuel Failures
- GEAP-10042 Final Report, Power Reactor High Performance UO₂ Program, Progress Report No. 10, April 1-June 30, 1969



These reports cover the irradiation experiences of the centermelt fuel, the subsequent analyses of the failures during Cycle 5 and the corrective action necessary to continue the centermelt fuel irradiations. Thirty-eight additional copies of these reports, except for GEAP-5771 which is the same as our Special Report SR-10 to the USAEC, will be sent as soon as printing is completed in a few weeks.

In addition to the various analyses noted in the above-mentioned reports, the General Electric Company will be conducting further hot-laboratory examinations of centermelt fuel rods from Bundle D-50 which failed during the subsequent Cycle 6. If these examinations yield evidence corroborating our previous conclusions

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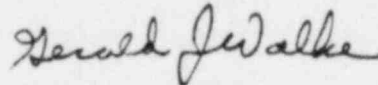
Dr. P. A. Mc ris
December 12, 1969

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on failure mechanism, it is our intention to present this additional evidence to you and request concurrence in our decision to irradiate the centermelt fuel further.

The additional centermelt fuel rod examinations will be performed sometime during the month of January 1970. We recognize that, considering that our anticipated refueling outage is scheduled for the month of February 1970, we will need to move rapidly once the data has been collected to get your concurrence. We hope that your study of the attached reports, our previous meetings with your staff and a future meeting with your staff, once the additional data is collected, will facilitate matters so that the centermelt fuel may be inserted in the reactor in late February 1970.

Yours very truly,



Gerald J. Walke
Nuclear Fuel Management Administrator

GJW/lf

CC: RMauneter
JACarter, GE - Jackson
LEMMiller, GE - San Jose

DOCKET: 50-155

DATE: December 19, 1969

NOTICE TO AEC PUBLIC DOCUMENT ROOM AND OTHERS

The following reports transmitted with letter dated December 12, 1969 from Consumers Power Company will be furnished as soon as additional copies are received:

Reports: GEAP-5751, -5771, -10039 and -10042

FROM: Allen Cabell
Regulatory File Room

*This Notice attached to all recipients
of above ltr. w/out repts.*

FROM: Consumers Power Co.
Jackson, Michigan
(Gerald J. walke)

DATE OF DOCUMENT 12-12-69	DATE RECEIVED 12-15-69	NO. 3870
LTR. X	MEMO:	REPORT:
ORIG. 1	CC:	OTHER:
ACTION NECESSARY <input type="checkbox"/>	CONCURRENCE <input type="checkbox"/>	DATE ANSWERED BY:
NO ACTION NECESSARY <input type="checkbox"/>	COMMENT <input type="checkbox"/>	

TO: Dr. Morris

CLASSIF: **U** POST OFFICE REG. NO:

FILE CODE: **DOCKET: 50-155**

DESCRIPTION: (Must Be Unclassified)
Ltr. trans. the following reports which cover irradiation experiences of the centermelt fuel, etc....:
(2 cys. ea rec'd)

REFERRED TO	DATE	RECEIVED BY	DATE
Ziemann	12-19		
w/4 cys. ltr. (1 cy. encls. retained by Shea)			
<u>Distributions (ltr. only except where noted)</u>			
1-reg. file cy. w/encls.			
1-PDR Copy		1-D. Thompson	
2-compliance		1-Skovholt	
1-OGC		1-H. Price & Staff	
1-Dube/Levine		1-cc to DTIC & NSIC	
1-Boyd			
1-Morris-Schroeder			

ENCLOSURES:
GEAP-5751 - Power Reactor High Performance UO₂ Program..., dtd. 10-68
GEAP-5771 - Power Reactor High Performance UO₂ Program, dtd. 4-69
GEAP-10039 - Analysis of Fission Product Release, dtd. 6-69
REMARKS:
GEAP-10042 - Final Report - Power Reactor High Performance UO₂ Program., dtd. 6-69

3870
ACKNOWLEDGED
asc

U.S. ATOMIC ENERGY COMMISSION MAIL CONTROL FORM (8-60)

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