

APR 16 1994

Docket No. 50-05

Dr. David A. Shirley
Senior Vice President for Research
and Dean of the Graduate School
The Pennsylvania State University
University Park, Pennsylvania 16802

Dear Dr. Shirley:

Subject: Inspection No. 50-05/94-01

This letter refers to the announced inspection of your radiation safety program that was conducted by Mr. Stephen Holmes of this office on March 28 - April 1, 1994, of activities authorized by NRC License No. R-2 at the Penn State Breazeale Reactor. Discussions of our findings were held by Mr. Holmes with Messrs. Flinchbaugh and Granlund of your staff at the conclusion of this inspection.

Areas reviewed during this inspection are important to public health and safety and are described in the enclosed inspection report. The areas examined included reactor staffing, reactor logs, operating procedures, operator requalification program, surveillances, control of experiments, maintenance and design changes, oversight, radiation safety staffing, surveys, radiation postings, radiation worker training, portable survey, counting lab, and radiation monitoring instruments, personnel dosimetry, radioactive material transfer, effluent releases, emergency planning, procedures and policy, and new 10 CFR 20 implementation. Within these areas, the inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations and independent measurements made by the inspector.

Within the scope of this review we noted that written procedures and record keeping were excellent. Safety Committee participation and oversight was good, and the detailed minutes of committee meetings were noteworthy. Your detailed procedures and concise records for the portable survey meter calibrations and the initial calibration of the reactor facility's multi-channel analyzer/detector were good. The Reactor Director and University Health Physicist committed to forwarding a document to the NRC which will identify those manuals, books, instructions, procedures, etc., that constitute the reactor radiation protection program. The document will also include a description of responsibilities for specific individuals in the program.

No safety concerns or violations of regulatory requirements were identified.

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Pennsylvania State University

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Your cooperation is appreciated.

Sincerely,

Original Signed By:
John D. Kinneman

for James H. Joyner, Chief
Facilities Radiological Safety
and Safeguards Branch
Division of Radiation Safety
and Safeguards

Enclosure: NRC Region I Inspection Report No. 50-05/94-01

cc w/encl:

R. W. Granlund, University Health Physicist
Dr. M. H. Voth, Director, Penn State Breazeale Reactor
Dr. William Vernetson, TRTR
K. Abraham, PAO (2)
Public Document Room (PDR)
Local Public Document Room (LPDR)
Nuclear Safety Information Center (NSIC)
Commonwealth of Pennsylvania

bcc w/encl:

Region I Docket Room (with concurrences)

T. F. Dragoun, DRSS

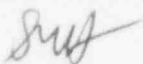
S. Holmes, DRSS

S. Weiss, NRR (OWFN 10D21)

J. Caldwell, NRR/LOLB (OWFN 10D22)

V. McCree, OEDO

DRSS:RI



Holmes

4/12/94

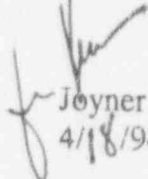
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Joyner

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