

PENNSTATE



April 23, 1990

Charles L. Hosler
Senior Vice President for Research
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University Park, PA 16802

Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Re: Revision to Facility Operating License for the Penn State Breazeale
Reactor, License No. R-2, Docket No. 50-05

Dear Sir or Madam:

A revision is hereby proposed for the Penn State Breazeale Reactor (PSBR)
Facility Operating License No. R-2. The specific revision is described on
the attached page entitled:

Proposed Change in Material Possession Limits
Submitted March 22, 1990

This revision was initially proposed in a March 22, 1990 letter but is
being re-submitted with proper notarization of the signature which was
inadvertently omitted in the original letter.

An exemption of fees for the licensing action is requested under the
provisions of 10 CFR Part 170.11 (a) (4).

If you have any questions on this matter, please refer them directly to
Marcus H. Voth at (814) 865-6351.

Sincerely,

Charles L. Hosler
Senior Vice President for
Research and Dean of the
Graduate School

CLH/MHV/jlw

cc: Region 1 Administrator

Subscribed to and sworn before me on this 23 day of April,
1990, Notary Public in and for Centre County, Pennsylvania.

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NOTARIAL SEAL
MARY A. NORTHAMER, Notary Public
State College Boro, Centre Co., Pa.
My Commission Expires May 8, 1993

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Penn State Breazeale Reactor
License Number R-2
Docket Number 50-05

License Amendment Request Entitled:

Proposed Change in Material Possession Limits

Submitted March 22, 1990

Discussion:

During the issuance of Amendment No. 24 to the R-2 license, which deleted the authorization to possess reactor fuel elements containing high-enriched uranium, the wording in part 2.B.(2) of the license was changed so that the licensee was allowed "to receive, possess, and use in connection with the operation of the reactor, up to nine (9) kilograms of contained uranium-235 enriched to less than 20%." Previous to amendment no. 24, the wording "enriched to less than 20%" was not in the license; this wording prohibits the use of special nuclear material such as fission chambers or fission foils of uranium-235 enriched to 20% or greater in connection with the operation of the reactor.

Proposed Change:

The licensee requests that part 2.B.(2) of the R-2 license be amended to read as follows, "to receive, possess, and use in connection with the operation of the reactor, up to nine (9) kilograms of contained uranium-235 enriched to less than 20% in the form of fuel elements and up to fifty (50) grams of contained uranium-235 without limit as to enrichment in forms such as fission detectors or fission foils, and to possess but not separate such special nuclear material as may be produced by the operation of the reactor."