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Office of Finance
and Operations

February 20, 2008

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop O-5 C12
Washington, DC 20555-0001

Re: Docket No. 50-134
License R-61
Annual Report for 2007

In accordance with the Technical Specifications for the WPI Leslie C. Wilbur Nuclear Reactor Facility (License R-61), I am submitting the Annual Operating Report for 2007.

The WPI reactor is a non-power, university-based, teaching reactor. Prior to its shutdown at the end of June, 2007, it was used primarily in the academic mission of Worcester Polytechnic Institute, for the instruction of students, and in occasional scholar research.

Please contact me if further information is required.

Sincerely,

Michael Curley
Director, Nuclear Reactor Facility

Cc:
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Worcester Polytechnic Institute

ADZO

NRR

**2007 Annual Operating Report
Worcester Polytechnic Institute
Leslie C. Wilbur Nuclear Reactor Facility
License R-61
Docket No. 50-134**

I. Operations Summary:

(a) Changes in facility design

There were no significant changes in the facility design during 2007.

(b) Performance characteristics

The reactor was operated in 2007 only through the end of June, and since that time has been in shut down mode, with the fuel in storage positions in the pool. The operation of all reactor safety system components was normal during 2007. The performance of the fuel was normal.

(c) Changes in operating procedures

No changes were made to operating procedures in 2007, however a Possession Only License application was filed on 8-14-07, and responses to NRC questions to this application were filed on 11-20-07.

(d) Abnormal results of surveillance tests and inspections

There were no unusual findings from the performance of surveillance tests or inspections.

(e) Personnel changes in Reactor Facility Director, Health Physicist, or Radiation, Health, and Safeguards Committee members

Michael Curley was appointed Reactor Facility Director, as of July 1, 2007.

II. Power Generation (kilowatt-hours)

2007 Output:	161.0
Total LEU-Fuel:	3355.0
Total Reactor:	10769.0

III. Unscheduled Shutdowns

There were no unscheduled shutdowns in 2007.

IV. Maintenance

Routine maintenance of the water demineralizer was performed in 2007, such as filter changes and matrix regeneration.

V. Changes, Tests, and Experiments Pursuant to 10CFR 50.59

There were no new tests or experiments requiring evaluation pursuant to 10CFR 50.59.

VI. Radioactive Effluents Release

Liquid effluent releases were near background, and well within 10CFR20 release limits. Until the end of June, gaseous Ar-41 was released in trace amounts that has conservatively been calculated to be well within 10CFR20 release limits. We verified level 1 compliance using the EPA COMPLY Code.

End