

DES

MAY 18 1994

Docket No. 50-199

Dr. William Duggan
Reactor Administrator
Manhattan College Corporation
Manhattan College Zero Power Reactor
c/o Mechanical Engineering Department
Riverdale, New York 10471

Dear Dr. Duggan:

Subject: Inspection No. 50-199/94-01

An announced safety inspection of your reactor operation program was conducted by Mr. S. Holmes of this office on April 12-15, 1994 of activities authorized by NRC License No. R-94 at the Manhattan Zero Power Reactor. Discussions of our findings were held by Mr. Holmes with you and members of your staff at the conclusion of this inspection on April 15, 1994.

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 by Reactor Operations Committee; radiation worker training; radiation postings; surveys; portable survey, counting lab, and radiation monitoring instruments; personnel dosimetry; 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 observed that your staff was well qualified and that, with instrumentation, you had upgraded your program to perform Technical Specification surveys in-house. You reconfirmed a previous commitment to submit an accelerated requalification plan, commensurate with the facility, to the NRC for approval prior to reloading the core and bringing the reactor to power. Although all requirements of the new 10 CFR 20 audited by the inspector were being complied with, we noted, due to the small staff and use of the reactor as a training and teaching device for students, the revision of written procedures to implement the new 10CFR20 requirements has been a challenge. Both you and your reactor supervisor committed to complete the revisions to the Reactor Laboratory Manual and other documents and to forward to NRC Region I a copy of the final updated manual prior to reloading fuel into the reactor and commencing power operations.

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No safety concerns or violations of NRC regulatory requirements were identified.

Your cooperation with us is appreciated.

Sincerely,

Original Signed By:
James H. Joyner

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

Enclosure: NRC Region I Inspection Report No. 50-199/94-01

cc w/encl:

Dr. R. Kulikowski, Director, Bureau of Radiation Control
New York City Department of Health
Dr. William Vernetson, TRTR
C. Stanton, Chief, Reactor Supervisor
Dr. J. Lestingi, Dean of the School of Engineering
Dr. V. Antonetti, Chairman, Mechanical Engineering Department
K. Abraham, PAO (2)
Public Document Room (PDR)
Local Public Document Room (LPDR)
Nuclear Safety Information Center (NSIC)
State of New York

Manhattan College Corporation

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bcc w/encl:

Region I Docket Room (with concurrences)

T. Dragoun, DRSS

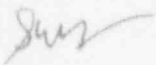
S. Holmes, DRSS

S. Weiss, NRR (OWFN 10D21)

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

W. Dean, OEDO

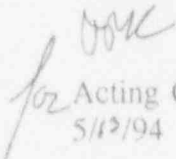
DRSS:RI



Holmes

5/13/94

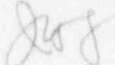
DRSS:RI



Acting Chief

5/12/94

DRSS:RI



Joyner

5/16/94