

Manhattan College

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MECHANICAL ENGINEERING DEPARTMENT

November 19, 1985

Mr. John C. Hoyle
Acting Secretary of the Commission
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Subject: Order to Show Cause, dated September 27, 1985, Relative
to the Manhattan College Zero Power Reactor, Docket #50-199.

Dear Mr. Hoyle:

The following information is provided in response to the subject order to describe our situation relative to the unirradiated high enriched uranium fuel presently on-site, and our intentions as to future possession of this material.

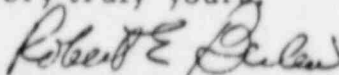
Manhattan College currently possesses three (3) fuel plates, each having a nominal uranium content of 13 grams, which taken together are a partial replacement for the plates in a complete fuel element in the reactor core. The plates are stored in a padlocked steel box 8-1/4"X8-1/2"X50" which is bolted to the concrete floor of the secure area below the Advanced Physics Laboratory. In addition the plates are secured within the box by metal straps which are welded to a shelf in the box.

It is proposed to continue to maintain possession of these 3 plates for potential future experimental use and replacements for plates in a fuel element in the core as permitted by the order. The plates would remain in the present secure status.

We have discussed our status relative to the order with Mr. Don Carlson of the NRC (telephone conversation of November 16, 1985). Mr. Carlson indicated our approach would be satisfactory.

Please let me know if there is any additional information we can provide.

Very truly yours,



Robert E. Berlin, Dr. P. H.
Reactor Administrator

REB/w

cc: Executive Legal Dir., NRC
USNRC, Washington, DC

Mr. Donald Carlson
USNRC
Office of NMSS, Div. Safeguards
Washington, DC 20555

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CORRESPONDENCE CONTROL TICKET

Robert Berlin

SECY NUMBER: 85-995

OFFICE OF THE SECRETARY

LOGGING DATE 11/21/85

Davis for a/a

ACTION OFFICE: EDO

cys: Denton
Taylor
GCunningham/Burns
Murley
~~PDR~~
PAnderson

AUTHOR: Robert Berlin

AFFILIATION: Manhattan College

LETTER DATE: 11/19/85

FILE CODE _____

ADDRESSEE: Hoyle

SUBJECT: Order to show cause dtd 9/27/85--unirradiated high enriched uranium fuel

ACTION: Appropriate

DISTRIBUTION:

SPECIAL HANDLING: None

SIGNATURE DATE:

FOR THE COMMISSION ChampRec'd Off. EDO
Date....11-22-85
Time.....1:45 p.m.