



7590-01

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

DOCKETS NOS. 50-30 AND 50-185

ORDER AUTHORIZING DISMANTLING OF FACILITIES
AND DISPOSITION OF COMPONENT PARTS

By applications dated March 17, 1980, as revised November 7, 1980 and February 23, 1981, the National Aeronautics and Space Administration (NASA or the licensee) requested authorization to dismantle the Plum Brook Reactor (a test reactor) and the Plum Brook Mock-up Reactor (a research reactor) (the facilities) located at the Plum Brook Reactor Facility near Sandusky, Ohio, and to dispose of the component parts, in accordance with plans submitted as part of the applications. A "Notice of Proposed Issuance of Orders Authorizing Dismantling of Facility, Disposition of Component Parts, and Termination of Facility License" was published in the Federal Register on May 9, 1980 (45 FR 30757) for the Plum Brook Reactor and on May 9, 1980 (45 FR 30758) for the Plum Brook Mock-up Reactor. No request for a hearing or petition for leave to intervene was filed following notice of the proposed action.

The Nuclear Regulatory Commission (the Commission) has reviewed the applications in accordance with the provisions of the Commission's rules and regulations and has found that the dismantling and disposal of component parts in accordance with the licensee's dismantling plans will be in accordance with the regulations in 10 CFR Chapter I, and will not be inimical to the common defense and security or to the health and safety of the public. The basis for the findings is set forth in

8106040152

-2-

the concurrently issued Safety Evaluation by the Office of Nuclear Reactor Regulation.

The Commission has prepared an environmental impact appraisal for this action. Based on that appraisal, the Commission has determined that this action will not result in any significant environmental impact and that an environmental impact statement need not be prepared.

Accordingly, NASA is hereby authorized to dismantle the Plum Brook Reactor and the Plum Brook Mock-up Reactor covered by Facility Licenses Nos. TR-3 and R-93, respectively, and dispose of the component parts in accordance with their dismantling plans and the Commission's rules and regulations.

After completion of the dismantling and decontamination, the submission of a report on the radiation survey to confirm that radiation levels at the facilities meet the values defined in the dismantling plans and inspection by representatives of the Commission, consideration will be given to whether a further order should be issued terminating Facility Licenses Nos. TR-3 and R-93.

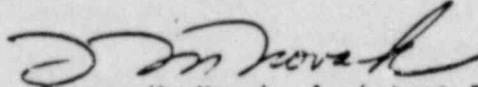
For further details with respect to this action see (1) the applications for authorization to dismantle the facilities and dispose of component parts dated March 17, 1980, as revised by letters dated November 7, 1980 and February 23, 1981, (2) the Commission's related Safety Evaluation, (3) the Commission's Environmental Impact Appraisal, and (4) the Commission's Negative Declaration dated May 26, 1981 (which is also being published in the Federal Register). All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D. C. A copy of items (2) and (3) may be obtained upon request

-3-

addressed to the United States Nuclear Regulatory Commission, Washington,
D.C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this 26th day of May 1981.

FOR THE NUCLEAR REGULATORY COMMISSION



Thomas M. Novak, Assistant Director
for Operating Reactors
Division of Licensing