



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

September 29, 1976



Docket No.: 50-94

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Correspondence Dept.

Rockwell International Corporation
Atomics International Division
ATTN: Mr. L. W. Wheeler, Director
Contracts and Administration
9800 De Soto Avenue
Canoga Park, California 91304

Gentlemen:

The Commission has issued the enclosed Order that authorizes you to dismantle the Rockwell L-77 Reactor and dispose of its component parts in accordance with your application dated January 28, 1976. The dismantling plan replaces the Technical Specifications in their entirety.

A copy of the related Safety Evaluation is also enclosed. A copy of the Order is being filed with the Office of the Federal Register for publication.

Sincerely,

Robert W. Reid, Chief
Operating Reactors Branch #4
Division of Operating Reactors

Enclosures:

1. Order Authorizing Dismantling
2. Safety Evaluation

cc w/enclosures: See next page

Atomics Int'l. D/798 Corres.	
ACTION	
REPLY	
REPLY DUE	
REMARKS	
ANDERSON, S.H.	
ASQUITH	
BALENT	
BOTTS	
BRINDLEY	X
COCHRAN, J.C.	
PROGRAM DATA	
MGMT	
CRAWFORD	
DE LOS PRADOS	
DETERMAN	
FEILER	
GYLFE	
HARTZLER	
HEINE	
HOLBROOK	
IACOBELLIS	
JACOBSON, J.	
JONES, R.G.	X
JULIAN, M.	
KEATEN	
KINZER	
KOLIN	
MARTIN, A.B.	
McCOURT	
McDERMOTT	
McDONALD, J.S.	
McKENZIE, D.E.	
MEYERS, G.W.	
MOREWITZ	
MORGAN	
MOSS	
OLDENKAMP	
PARKINS	
REMLEY	X
SANDERS	
SCHIRM	
WALTER, J.H.	X
WHEELER	X
WIESENECK	X
R.P. Johnson	
V. Johnson	
C. Fisher	

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M. E. REMLEY

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

ROCKWELL INTERNATIONAL CORPORATION

DOCKET NO. 50-94

ORDER AUTHORIZING DISMANTLING OF FACILITY AND
DISPOSITION OF COMPONENT PARTS

By application sworn to January 28, 1976, Rockwell International Corporation (the licensee) requested authorization to dismantle the L-77 Reactor (the facility), a research reactor, located in Canoga Park, California, and to dispose of the component parts, in accordance with the plan submitted as part of the application. 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 April 8, 1976 (41 F.R. 14955). 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 application 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 plan 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 the concurrently issued Safety Evaluation by the Office of Nuclear Reactor Regulation.

The Commission has determined that this action will not result in any significant environmental impact and that pursuant to 10 CFR §51.5 (d)(4) an environmental statement, negative declaration or environmental impact appraisal need not be prepared.

Accordingly, it is hereby ordered that Rockwell International Corporation may dismantle the L-77 Reactor covered by Facility License No. R-40, as amended, and dispose of the component parts in accordance with their dismantling plan 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 in the facility area meet the values defined in the dismantling plan and inspection by representatives of the Commission, consideration will be given to whether a further order should be issued terminating Facility License No. R-40.

Dated at Bethesda, Maryland, this 29th day of September 1976.

FOR THE NUCLEAR REGULATORY COMMISSION

Karl R. Goller

Karl R. Goller, Assistant Director
for Operating Reactors
Division of Operating Reactors



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING ORDER AUTHORIZING DISMANTLING
OF FACILITY AND DISPOSITION OF COMPONENT PARTS

ROCKWELL INTERNATIONAL CORPORATION

L-77 REACTOR

DOCKET No. 50-94

Introduction

By application submitted by letter dated January 28, 1976, Rockwell International Corporation requested authorization to dismantle the Rockwell L-77 Reactor and dispose of its component parts. Rockwell provided a dismantling plan with their application. Operation of the facility has been discontinued and all fuel has been removed from the reactor and placed in Department of Transportation (DOT) approved shipping containers.

Discussion and Evaluation

The L-77 Reactor was a solution type reactor that used uranyl sulfate as a fuel and operated at a maximum power of 10 watts. It has been shutdown since September 30, 1974.

Since all fuel has been removed from the reactor, there is no possibility of a reactor criticality accident. Also there is very little neutron activation due to the low power operation of the reactor and the time since shutdown. Regulatory control of the fuel will be transferred to the Rockwell SNM License No. 21.

Requirements for dismantling are specified in the dismantling plan that is used in lieu of Technical Specifications. The dismantling plan specifies that each reactor component will be decontaminated to a level less than that specified in Regulatory Guide 1.86 or will be transferred to a Rockwell byproducts material license (State of California) until disposed of. The radiation protection requirements of 10 CFR Part 20 for personnel exposure control, contamination control, and effluent control continue to be required by License No. R-40. The requirements of 10 CFR Part 20 are adequate requirements for the dismantling actions to be accomplished because of the low levels of activation and contamination that will be present.

Following completion of the dismantling activities, the NRC will inspect the facility to confirm that it has been dismantled in accordance with the dismantling plan.

We have determined that the order does not authorize a change in effluent types or total amounts and will not result in any significant environmental impact. Having made this determination, we have further concluded that the order involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental statement, negative declaration, or environmental impact appraisal need not be prepared in connection with the issuance of this order.

Conclusion

We have concluded, based on the considerations discussed above, that dismantling the Rockwell L-77 Reactor and disposition of component parts as described in the Rockwell dismantling plan will not be inimical to the common defense or to the health and safety of the public.

Dated: September 29, 1976