Central Files

JUN 26 1978

MEMORANDUM FOR: A. Schwencer, Chief, Operating Reactors Branch No. 1, DOR

FROM: W. R. Butler, Chief, Plant Systems Branch, DOR

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION RE: PROPOSED CHANGES TO TECHNICAL SPECIFICATIONS ON HANDLING OF LOADS OVER SPENT FUEL STORAGE POOL (TAC 7669)

Plant Name: Indian Point, Nuclear Power Plant, Unit 3
Docket Number: 50-286
Responsible Branch: ORB #1
Project Manager: T. Wambach
Reviewing Branch: Plant Systems Branch
Requested Completion Date: June 23, 1978

In response to Technical Assistance Request TAC 7669, the Plant Systems Branch has completed its review of the Power Authority of the State of New York (PASNY) submittal dated May 23, 1978. In its submittal, PASNY requested relief from the current Technical Specifications which limit the loads that may be handled over the spent fuel storage pool. PASNY indicated that the requested relief was needed so that certain fracture toughness specimens may be shipped off-site for testing, with a minimum potential for personnel exposure resulting from the required operations.

We find that additional information is required before we can complete our review. Enclosed is the request for the additional information.

Item 4

Walter R. Butler, Chief
Plant Systems Branch
Division of Operating Reactors

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Enclosure:
As stated

cc: T. Wambach
B. Buckley
F. Clemenson
W. Butler
D. Eisenhut

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DATE	6/23/78	6/23/78	6/23/78	

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

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REQUEST FOR ADDITIONAL INFORMATION

ON CASK MOVEMENT

INDIAN POINT, UNIT 3

1. Identify and describe the shipping cask that will be used. In addition describe, discuss and submit the results of a safety evaluation of the design adequacy of the lifting yoke and its associated support points on the cask. It is to be noted that the lifting device has not been previously reviewed by the NRC staff unless it was designated as a structural part of the cask during the licensing reviews for the shipping cask, (10 CFR 71.31).

2. With the aid of drawings, describe and discuss the transfer path of the cask from its transporter to the spent fuel pool and back to the transporter. The discussion should include the carrying height of the cask as well as the angular orientation of the handling yoke with respect to essential structures and equipment adjacent to or beneath the cask along its entire travel path that may be at risk in the unlikely event of a uncontrolled release of the cask following a handling yoke or crane failure.

   In each case where safety related equipment may be at risk, provide the results of an analysis of a cask drop at that point.

3. With the aid of drawings, describe and discuss the spent fuel shipping cask crane. The discussion should include the electrical, mechanical and structural features of the bridge, trolley and hoist, plus the respective speed control and braking systems. The descriptive material should include those features of the crane which provide assurance that an uncontrolled release of the load will not occur.

4. Describe the testing and inspections which will precede the movement of the shipping cask into the spent fuel storage pool. Further, describe the criteria that will be used to judge the acceptability of the tests and inspections.