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| ACRS (10) | |

July 7, 1981

Docket No. 50-219
LS05-81-07-041



Mr. I. R. Finfrock, Jr.
Vice President
Jersey Central Power & Light Company
Oyster Creek Nuclear Generating Station
Post Office Box 388
Forked River, New Jersey 08731

Dear Mr. Finfrock:

The Commission has issued the enclosed Order confirming your commitments for TMI related requirements for Oyster Creek Nuclear Generating Station. This Order is based on your letter dated January 6, 1981, as supplemented February 10, 1981, to implement those requirements set forth in NUREG-0737 for which the staff requested completion before June 30, 1981. Explicit statements of these requirements are set forth in the Attachment to the Order.

It is the Commission's intent in issuing this Order to encourage the completion of items consistent with the staff's recommended schedule. However, certain of your proposed schedule exceptions are acceptable. Therefore, you should proceed with implementation of these items in accordance with your proposed schedule. Your proposed technical and schedule exceptions for other items contained in NUREG-0737 will be the subject of future correspondence.

A copy of this Order is being filed with the Office of the Federal Register for publication.

Sincerely,

Walter A. Paulson

for Dennis M. Crutchfield, Chief
Operating Reactors Branch #5
Division of Licensing



Enclosure:
Order

cc w/enclosure:
See next page

*NO OELD CONCURRENCE NEEDED. NRR HAS USED OELD'S APPROVED MODEL

DL:DIR
DEisenhut
7/6/81

HS 6/19/81 WAP 6-19-81

| OFFICE | DL:ORB #5/LA | DL:ORB #5/PM | OELD* | DL:ORAB | DL:ORAB/C | DL:ORB #5/C | DL:AD/SA |
|---|---|---|---|---|---|---|---|
| SURNAME | HSmith:ri | WPaulson | KCyr for JP Murray | DVerrelli | JOlshinski | DMCrutchfield | GLAinas |
| DATE | 6/19/81 | 6/19/81 | 6/17/81 | 6/19/81 | 6/19/81 | 6/18/81 | 6/19/81 |

cc w/enclosure:
G. F. Trowbridge, Esquire
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Washington, D. C. 20036

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Ocean County Library
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Commissioner
Department of Public Utilities
State of New Jersey
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Newark, New Jersey 07102

U. S. Environmental Protection
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Region II Office
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New York, New York 10007

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Licensing Supervisor
Oyster Creek Nuclear Generating
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Resident Inspector
c/o U. S. NRC
P. O. Box 445
Forked River, New Jersey 08731

7590-01

UNITED STATES OF AMERICA

NUCLEAR REGULATORY COMMISSION

| | | |
|---|---|---|
| In the Matter of | ) | |
| | ) | |
| JERSEY CENTRAL POWER AND LIGHT COMPANY | ) | Docket No. 50-219 |
| | ) | |
| (Oyster Creek Nuclear Generating Station) | ) | |

ORDER CONFIRMING LICENSEE COMMITMENTS
ON POST-TMI RELATED ISSUES

Jersey Central Power and Light Company (the licensee) is the holder of Provisional Operating License No. DPR-16, which authorizes the operation of the Oyster Creek Nuclear Generating Station (the facility) at steady-state reactor power levels not in excess of 1930 megawatts thermal. The facility is a boiling water reactor located at the licensee's site in Ocean County, New Jersey.

II.

Following the accident at Three Mile Island Unit No. 2 (TMI-2) on March 28, 1979, the Nuclear Regulatory Commission (NRC) staff developed a number of proposed requirements to be implemented on operating reactors and on plants under construction. These requirements include Operational Safety, Siting and Design, and Emergency Preparedness and are intended to provide substantial additional protection in the operation of nuclear facilities based on the

experience from the accident at TMI-2 and the official studies and investigations of the accident. The staff's proposed requirements and schedule for implementation are set forth in NUREG-0737, "Clarification of TMI Action Plan Requirements." Among these requirements are a number of items, consisting of hardware modifications, administrative procedure implementation and specific information to be submitted by the licensee, scheduled to be completed on or before June 30, 1981 (see the Attachment to this Order). NUREG-0737 was transmitted to each licensee and applicant by an NRC letter from my office dated October 31, 1980, which is hereby incorporated by reference. In that letter, it was indicated that although the NRC staff expected each requirement to be implemented in accordance with the schedule set forth in NUREG-0737, the staff would consider licensee requests for relief from staff proposed requirements and their associated implementation dates.

III.

The licensee's submittal dated January 6, 1981, as supplemented February 10, 1981, which is incorporated herein by reference, committed to implement eac of the actions specified in the Attachment. The licensee's submittal included a modified schedule for submittal of certain information. The staff has reviewed the licensee's submittal and determined that it is acceptable based on the following:

The licensee's schedule for submittal of information in some instances does not meet the staff's specified submittal dates. Most of the information requested by the staff describes how the licensee is meeting the guidance of NUREG-0737. Therefore, this deferral of the licensee submittal will not alter the implementation of plant modifications. Therefore, plant safety is not affected by this modification in schedule for the submittal of information.

I have determined that these commitments are required in the interest of public health and safety, and therefore, should be confirmed by ORDER.

IV.

Accordingly, pursuant to Sections 103, 161i, 161o, and 182 of the Atomic Energy Act of 1954, as amended, and the Commission's regulations in 10 CFR Parts 2 and 50, IT IS HEREBY ORDERED EFFECTIVE IMMEDIATELY THAT the licensee shall comply with the following conditions:

The licensee shall satisfy the specific requirements described in the Attachment to this Order (as appropriate to the licensee's facility) as early as practicable but no later than 30 days after the effective date of the ORDER.

V.

Any person who has an interest affected by this Order may request a hearing within 20 days of the date of publication of this Order in the Federal Register. Any request for a hearing shall be addressed to the Director, Office of Nuclear Reactor Regulation, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555. A copy shall also be sent to the Executive Legal Director at the same address. If a hearing is requested by a person other than the licensee, that person shall describe, in accordance with 10 CFR 2.714(a)(2), the nature of the person's interest and the manner in which the interest is affected by this Order. A REQUEST FOR HEARING SHALL NOT STAY THE IMMEDIATE EFFECTIVENESS OF THIS ORDER.

If a hearing is requested by the licensee or other persons who have an interest affected by this Order, the Commission will issue an Order designating the time and place of any such hearing.

If a hearing is held concerning this Order, the issue to be considered at the hearing shall be whether, on the basis of the information set forth in Sections II and III of this Order, the licensee should comply with the conditions set forth in Section IV of this Order.

This request for information was approved by OMB under clearance number 3150-0065 which expires June 30, 1983. Comments on burden and duplication may be directed to the Office of Management and Budget, Reports Management, Room 3208, New Executive Office Building, Washington, D. C.

This Order is effective upon issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

Darrell G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation

Dated at Bethesda, Maryland
this seventh day of July, 1981

Attachment:
NUREG-0737 Requirements

ATTACHMENT

# NUREG 0737 REQUIREMENTS

| Item | Title | Applicability | Specific Requirement | Impl/Doc Subm Due Dates |
|---|---|---|---|---|
| I.A.1.1 | STA | ALL | (a) Provide STA coverage by degreed individuals (or equivalent), trained to licensee's program. | 1/1/81 |
| | | | (b) Submit description of current training program and demonstrate compliance with 10-30-79 letter. | 1/1/81 |
| | | | (c) Submit description of long term training program. | 1/1/81 |
| I.A.2.1 | Reactor Operator Qualification | ALL | Submit description of and implement Upgraded Training Program. | 8/1/80 |
| I.C.1 | Accident Procedures | ALL | (a) Submit reanalyses of inadequate core cooling and propose guidelines for emergency procedures, OR propose schedule and justify delays. | 1/1/81 |
| | | | (b) Submit reanalysis of transients and accidents for emergency procedures, OR propose schedule and justify delays. | 1/1/81 |
| I.C.5 | Feedback of Operating Experience | ALL | Implement procedures for feedback of operating experience (no documentation submittal is required). | 1/1/81 |
| I.C.6 | Correct Performance or Operating Activities | ALL | Implement procedures to verify correct performance of operating activities (no documentation submittal is required). | 1/1/81 |

| Item | Title | Applicability | Specific Requirement | Impl/Doc Subm Due Dates |
|---|---|---|---|---|
| II.B.2 | Shielding | ALL | (a) Have available design details for vital area modifications. | 1/1/81 |
| | | | (b) Submit technical deviations to staff positions. | 1/1/81 |
| II.B.3 | Post-Accident Sampling | ALL | Submit description of deviations from staff positions. | 1/1/81 |
| II.B.4 | Training to Mitigate Core Damage | ALL | (a) Have available for review a training program for mitigating core damage (no documentation submittal required) | 1/1/81 |
| | | | (b) Implement training program (no documentation submittal required). | 4/1/81 |
| II.D.1 | Performance Testing of RV/SRV's | ALL | (a) Submit test program (both BWR/PWR's). | 7/1/80 (PWRs)<br>10/1/80 (BWRs) |
| | | | (b) Submit qualification program for PWR's block valve. | 1/1/81 (PWRs) |
| II.E.1.2 | Aux Feed Initiation and Flow | PWRs | (a) Submit final design and documentation on safety grade flow indication. | 1/1/81 |
| | | | (b) Submit final design and documentation on safety grade flow initiation. | 1/1/81 |
| II.E.4.2 | Containment Isolation | ALL | (a) Submit documentation justifying minimum containment pressure setpoint for isolation of non-essential penetrations. | 1/1/81 |
| | | | (b) Submit statement that purge valves not meeting CSB 6-4 (or interim position) are sealed and verification is performed every 31 days. | 1/1/81 |

| Item | Title | Applicability | Specific Requirement | Impl/Doc Subm Due Dates |
|---|---|---|---|---|
| II.F.1 | Post-Accident Monitoring | ALL | a. For noble gas monitor and Iodine/particulate sampling and analysis submit description and justification for deviations from staff requirements. | 1/1/81 |
| | | | b. Have available the final design information for noble gas monitor and iodine/particulate sampling and analysis. | 1/1/81 |
| II.F.2 | Inst. for Inadequate Core Cooling | ALL | Submit a report detailing the planned instrumentation system for monitoring inadequate core cooling. | 1/1/81 |
| II.K.2.10 | Antic. Trip on LOFW and TT | B&W | Submit final design for anticipatory trip as described in NUREG 0737. | 1/1/81 |
| II.K.2.13 | Thermal Mechanical Report | B&W | Submit report on effects of Hi Pressure Injection on vessel integrity for SB LOCA with no Aux Feedwater. | 1/1/81 |
| II.K.3.2 | PORV/SV Failures | PWR | Submit report on SB LOCA and probability of failure of PORV/SV/RV. | 1/1/81 |
| II.K.3.3 | SRV/SV Failures & Challenges | ALL | Submit report (historical and annually thereafter) of SRV/SV failures and challenges. | 1/1/81 |
| II.K.3.7 | PORV Opening Probability | B&W | Submit report on the probability of a PORV opening during an over-pressurization transient. | 1/1/81 |
| II.K.3.9 | PID Controller Modification | Selected W plants | Modify the Proportional Integral Derivative Controller (as recommended by W). Advise NRC when modification is completed. | 12/1/80 |
| II.K.3.12 | Anticipatory Trip on Turbine Trip | W | Submit confirmation of Anticipatory Trip. If not currently implemented, submit modification design and schedule for implementation. | 1/1/81 |

| Item | Title | Applicability | Specific Requirement | Impl/Doc Subm Dates |
|---|---|---|---|---|
| II.K.3.13 | Separation of HPCI/RCIC Initiation Levels; Auto Restart of RCIC | BWRs w/HPCI/RCIC | Submit results of evaluation and proposed modification as appropriate. | 1/1/81 |
| II.K.3.16 | Reduce Challenges to RV's | BWR | Submit report on actions planned to reduce RV challenges. | 4/1/81 |
| II.K.3.17 | ECCS System Outages | ALL | Submit report on ECCS outages and propose changes to reduce outages. | 1/1/81 |
| II.K.3.18 | ADS Logic Modifications | BWR | Submit report of feasibility of ADS system logic changes to eliminate need for manual actuation. | 4/1/81 |
| II.K.3.21 | CSS/CPCI Restart | BWR | Submit report of evaluation, proposed modifications and analysis to satisfy staff positions. | 1/1/81 |
| II.K.3.22 | RCIC Suction | BWR w/RCIC | Implement procedures and document verification of this change. | 1/1/81 |
| II.K.3.27 | Common Reference for $H_2O$ Level Instruments | BWR | Implement change and submit documentation of changes. | 1/1/81 |
| II.K.3.29 | Isolation Condensor Performance | BWR w/ICs | Submit evaluation of I.C. performance. | 4/1/81 |
| II.K.3.30 | SB LOCA Methods | ALL | Submit outline of program for model. | 11/15/80 |
| II.K.3.44 | Fuel Failure | BWR | Submit evaluation to verify no fuel failure. | 1/1/81 |
| II.K.3.45 | Manual Depressurization | BWR | Submit evaluation on other than ADS method for depressurization. | 1/1/81 |

| Item | Title | Applicability | Specific Requirement | Impl/Doc Subm Due Dates |
|---|---|---|---|---|
| III.D.3.3 | Improved Inplant Iodine Monitoring | ALL | Have available means to accurately measure airborne radioiodine inplant during an accident. | 1/1/81 |
| III.D.3.4 | Control Room Habitability | ALL | a. Submit control room habitability evaluation information. | 1/1/81 |
| | | | b. Submit modifications necessary to assure CR habitability with a schedule for completion. | 1/1/81 |