

UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

JAN 9 1970

Docket No. 50-247

Surgeon General, U. S. Public Health Service
Department of Health, Education, and Welfare
Attention: Nuclear Facility Analysis Section
1901 Chapman Avenue
Rockville, Maryland 20852

Dear Sir:

In accordance with the understandings reached August 1, 1961,
between the Atomic Energy Commission and the Department of
Health, Education, and Welfare, enclosed for your information
are the following documents:


CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
(Indian Point Nuclear Generating Unit No. 2)

Amendment No. 13, dated December 29, 1969, to application for operating
license filed by the above Company for the Indian Point Nuclear
Generating Unit No. 2.

The Amendment consists of additional and replacement pages to be inserted
into the FSAR, further responses to the AEC regulatory staff's request
for additional information of August 4, 1969, and information on the
reorganization of project management.

Distribution:
AEC Pub. Doc. Rm.
Docket File
RL Reading
RFB-1 Reading
R. S. Boyd
N. M. Blunt

Sincerely yours,


Roger S. Boyd, Assistant Director
for Reactor Projects
Division of Reactor Licensing

Enclosures:
As stated above

OFFICE ▶	RL:RPB-1				
SURNAME ▶	<i>NMB</i> NMBlunt/pf	811200483 700109 PDR ADDCK 05000247 A PDR			
DATE ▶	1/2/70				

NOTE: This memorandum will serve as background for one of the items on the agenda for the TMI-2 followup work status meeting on August 1, 1979.

For: The Commissioners
Thru: Executive Director for Operations
From: Harold R. Denton, Director, Office of Nuclear Reactor Regulation
Subject: ACTION PLAN FOR PROMPTLY IMPROVING EMERGENCY PREPAREDNESS

Purpose: To inform the Commission of the staff's plans to take immediate steps to improve licensee preparedness at all operating power plants and for near-term OL's.

Discussion: While the emergency plans of all power reactor licensees have been reviewed by the staff in the past for conformance to the general provisions of Appendix E to 10 CFR Part 50, the most recent guidance on emergency planning, primarily that given in Regulatory Guide 1.101 "Emergency Planning for Nuclear Power Plants", has not yet been fully implemented by most reactor licensees. Further, there are some additional areas where improvements in emergency planning have been highlighted as particularly significant by the Three Mile Island accident.

The NRR staff plans to undertake an intensive effort over about the next year to improve licensee preparedness at all operating power reactors and those reactors scheduled for an operating license decision within the next year. This effort will be closely coordinated with a similar effort by the Office of State Programs to improve State and local response plans through the concurrence process and Office of Inspection and Enforcement efforts to verify proper implementation of licensee emergency preparedness activities.

The main elements of the staff effort, as listed in Enclosure 1, are as follows:

- (1) Upgrade licensee emergency plans to satisfy Regulatory Guide 1.101, with special attention to the development of uniform action level criteria based on plant parameters.

CONTACT: Brian K. Grimes
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- (2) Assure the implementation of the related recommendations of the NRR Lessons Learned Task Force involving instrumentation to follow the course of an accident and relate the information provided by this instrumentation to the emergency plan action levels. This will include instrumentation for post-accident sampling, high range radioactivity monitors, and improved in-plant radioiodine instrumentation. The implementation of the Lessons Learned recommendation on instrumentation for detection of inadequate core cooling will also be factored into the emergency plan action level criteria.
- (3) Determine that an Emergency Operations Center for Federal, State and local personnel has been established with suitable communications to the plant, and that upgrading of the facility in accordance with the Lessons Learned recommendation for an in-plant technical support center is underway.
- (4) Assure that improved licensee offsite monitoring capabilities (including additional TLD's or equivalent) have been provided for all sites.
- (5) Assess the relationship of State/local plans to the licensee's and Federal plans so as to assure the capability to take appropriate emergency actions. Assure that this capability will be extended to a distance of 10 miles as soon as practical, but not later than January 1, 1981. This item will be performed in conjunction with the Office of State Programs and the Office of Inspection and Enforcement.
- (6) Require test exercises of approved Emergency Plans (Federal, State, local, licensees), review plans for such exercises, and participate in a limited number of joint exercises. Tests of licensee plans will be required to be conducted as soon as practical for all facilities and before reactor startup for new licensees. Exercises of State plans will be performed

In conjunction with the concurrence reviews of the Office of State Programs. Joint test exercises involving Federal, State, local and licensees will be conducted at the rate of about 10 per year, which would result in all sites being exercised once each five years.

The staff review will be accomplished by about 6 review teams, similar to the concept used to assure suitable implementation of the physical security provisions of 10 CFR 73.55. As a minimum, the teams will consist of a team leader from NRR, a member from Los Alamos Scientific Lab (LASL) and, at least for field visits, a member from the IE Regional office. LASL will be used as the source of non-NRC team members because of the expertise gained and familiarity with the plants acquired during the physical security reviews. The Division of Operating Reactors will have the responsibility for completing these reviews for both operating reactors and near-term OL's. J. R. Miller, Assistant Director, DOR will be responsible for implementation of the program. General policy and technical direction will be provided by Brian Grimes, Assistant Director, DOR.

The first sites to be reviewed by the teams will be those scheduled for operating licenses within the next year and those sites in areas of relatively high population. Major milestones for the program are being developed and will include regional meetings with licensees to discuss the program, site visits by the review team, and meetings with local officials.

Coordination:

This action plan has been discussed with the Task Force on Emergency Planning and the Task Force Chairman, T. F. Carter, has advised that the Task Force deliberations to date have indicated no reason why NRR should not proceed. The Office of State Programs concurs in this plan. The Office of Inspection and Enforcement concurs in the plan.

The Commissioners

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NRR expects to perform this task without augmentation of resources beyond those authorized for FY79 and FY80.

Original Signed by

H. R. Denton

Harold R. Denton, Director
Office of Nuclear Reactor Regulation

Enclosure:

Emergency Preparedness Improvements
for Operating Plants and Near
Term OL's

EMERGENCY PREPAREDNESS IMPROVEMENTSAND COMMITMENTS REQUIRED FOR OPERATING PLANTS AND NEAR TERM OL'S

<u>Item</u>	<u>Implementation Category^{1/}</u>
1. Upgrade emergency plans to Regulatory Guide 1.101 with special attention to action level criteria based on plant parameters.	A ¹
2. Implement certain short term actions recommended by Lessons Learned task force and use these in action level criteria. ^{2/}	
2.1.8(a) Post-accident sampling	
Design review complete	A
Preparation of revised procedures	A
Implement plant modifications	B
Description of proposed modification	A
2.1.8(b) High range radioactivity monitors	B
2.1.8(c) Improved in-plant iodine instrumentation	A
3. Establish Emergency Operations Center for Federal, State and Local Officials	
(a) Designate location and alternate location and provide communications to plant	A ¹
(b) Upgrade Emergency Operations Center in conjunction with in-plant technical support center	B

1/

Category A: Implementation prior to OL or by January 1, 1980 (see NUREG-0578)
 Category A¹: Implementation prior to OL or by mid-1980.
 Category B: Implementation by January 1, 1981.

2/

The implementation of the Lessons Learned task force recommendation item 2.1.3 instrumentation for detection of inadequate core cooling, will also be factored into the action level criteria.

<u>Item</u>	<u>Implementation Category</u>
4. Improve offsite monitoring capability	A ¹
5. Assure adequacy of State/local plans	
(a) Against current criteria	A ¹
(b) Against upgraded criteria	B
6. Conduct test exercises (Federal, State, local, licensee)	
(a) Test of licensees emergency plan	A ¹
(b) Test of State emergency plans	A ¹
(c) Joint test exercise of emergency plans (Federal, State, local, licensee)	
New OL's	B
All operating plants	Within 5 years

Mr. William J. Cahill, Jr.
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