

BEFORE THE UNITED STATES
NUCLEAR REGULATORY COMMISSION

In the Matter of)
POWER AUTHORITY OF THE STATE OF NEW YORK) Docket No. 50-286
Indian Point 3 Nuclear Power Plant)

APPLICATION FOR AMENDMENT TO
OPERATING LICENSE

Pursuant to Section 50.90 of the regulations of the Nuclear Regulatory Commission, the Power Authority of the State of New York, as holder of Facility Operating License No. DPR-64, hereby applies for an Amendment to Table 3.1 of the Fire Protection Safety Evaluation Report incorporated by reference in Amendment 24 into License Condition 2.I.

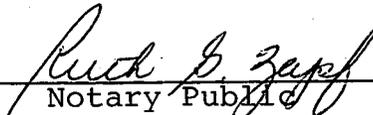
The proposed change to Table 3.1 seeks to extend the completion dates for certain fire protection modifications to reflect the current schedule for completion of these items.

The proposed change to Table 3.1 is presented in Attachment 1 to this application. The Safety Evaluation is presented in Attachment II.

POWER AUTHORITY OF THE
STATE OF NEW YORK

By 
Paul J. Early
Assistant Chief Engineer-Projects

Subscribed and Sworn to before
me this 25 day of March, 1980.


Notary Public
RUTH G. ZAPP
Notary Public, State of New York
No. 60-462428
Qualified in Nassau County
Commission Expires March 30, 1982

ATTACHMENT 1

PROPOSED CHANGE

RELATED TO

FIRE PROTECTION PROGRAM

POWER AUTHORITY OF THE STATE OF NEW YORK
INDIAN POINT 3 NUCLEAR POWER PLANT
DOCKET NO. 50-286
March 25, 1980

TABLE 3.1IMPLEMENTATION DATES FOR PROPOSED MODIFICATIONS

3.1.1	Hydrogen Line	4/01/80
3.1.2	Fire Barriers and Penetrations	
	Item (1)	6/01/80
	Item (2)	10/31/80
	Items (3) and (4)	7/01/80
	Item (5)	4/01/80
3.1.3	Fire Protection System	10/31/80
3.1.4	Portable Extinguishers	4/01/79
3.1.5	Fire Water Supply	
	Items (1), (2), and (3)	4/01/80
	Item (4)	9/01/80
3.1.6	Hose Stations and Hydrants	
	Items (1), (2), and (3)	10/31/80
	Item (4)	5/01/80
	Items (5), (7), and (11)	NA
	Items (6), (8), and (9)	4/01/80
	Item (10)	7/01/80
3.1.7	Manual Fire Fighting Equipment	3/01/80
3.1.8	Sprinkler Systems	
	Item (1)	7/15/80
	Item (2)	8/15/80
	Item (3)	10/31/80
3.1.9	Carbon Dioxide System	7/15/80
3.1.10	Emergency Lighting	10/31/80
3.1.11	Fire Brigade	4/01/80
3.1.12	Reactor Coolant Pump Oil Collection System	10/31/80
3.1.13	Switchgear Room	7/01/80
3.1.14	Control Room Door	10/31/80

*However, hose stations in containment supplied by the demineralized water system will be installed in the summer 1981 refueling outage.

TABLE 3.2SUBMITTAL DATES FOR LICENSE EVALUATIONS

3.2.3	Switchgear Room Protection	4/16/79
3.2.4	Cable Spreading Room Protection	4/16/79
3.2.5	Cable Tunnel Sprinkler Systems	4/16/79

ATTACHMENT II

SAFETY EVALUATION

RELATED TO

FIRE PROTECTION PROGRAM

POWER AUTHORITY OF THE STATE OF NEW YORK
INDIAN POINT 3 NUCLEAR POWER PLANT
DOCKET NO. 50-286
March , 1980

Section I - Description of Modification

In accordance with Amendment 24 (dated March 6, 1979), Table 3.1 indicates the implementation dates for completion of various fire protection modifications. Due to late engineering resolution and acceptance by the NRC, late equipment and materials delivery, contractor and labor problems, operations problems and environmental conditions, the Authority will not be able to meet some of these completion dates for fire protection modifications. The following describes the status of each item in Table 3.1.

3.1.1 Hydrogen Line

The work is approximately 90% complete and the remaining work will be accomplished by the commitment date of April 1, 1980.

3.1.2 Fire Barriers and Penetrations

The original commitment date for completion of this item was April 1, 1980.

Items (1) and (4), Three Hour Rated Fire Doors and Fire Door Alarms, respectively, require an extension to June 1, 1980, and July 1, 1980, respectively, due to late delivery of the doors. As discussed with and acceptable to your Mr. H. George on February 21, 1980, the Authority is providing a water curtain in lieu of a three-hour fire-rated door for the 8' wide x 12' high opening between the Primary Auxiliary Building and Transformer Yard. This opening has a monorail projecting through the top of the door and there is a six inch opening on the bottom of the door to allow water in the PAB to drain into the transformer yard. No UL approved door can be obtained as any opening in a fire rated door will defeat its purpose. The water curtain will be completed by October 31, 1980.

Item (2), Fire Dampers, will be completed by October 31, 1980. Due to Authority priority efforts on NUREG-0578 modifications, the installation of these dampers was delayed. Until these dampers are installed, the Authority will maintain a roving fire watch in the areas where the fire dampers were to be installed whenever the equipment is required to be operable per the Technical Specification. In the event of a fire, the fire brigade will be immediately informed to fight the fire.

Item (3), Cable Penetrations, will be completed by July 1, 1980. This item requires an extensive survey by our Architect-Engineer to establish the locations of the electrical cable penetrations in critical fire barriers.

Item (5), Windowless Metal Door in the Primary Auxiliary Building (elevation 55'-0"), will meet the original commitment date of April 1, 1980.

3.1.3 Fire Detection System

Item (1), Fire Detection Devices in Safety-Related Areas, will meet the commitment date of October 31, 1980. Approximately 50% of these devices have already been installed. However, these will not be operable until the entire system is completed.

Item (2), Provide Electrical Supervision for Detection Systems in Cable Spreading Room and Switchgear Room, will meet the commitment date of October 31, 1980.

3.1.4 Portable Fire Extinguishers in Control Room

This item was completed by the original commitment date of April 1, 1979.

3.1.5 Fire Water Supply

The original commitment date for this item was April 1, 1980.

Item (1), Two 2500 gpm Fire Pumps and Two Jockey Pumps, and Item (2), Two 350,000 Gallon Fire Water Storage Tanks, have already been installed. These pumps and tanks and the independent yard loop will be available for service by the original commitment date of April 1, 1980. However, the functional testing of the components will not be performed until April 30, 1980.

Item (3), Underground Yard Loop Piping, is approximately 85% completed and the remaining work will be completed before the commitment date of April 1, 1980. The isolation valves to provide an independent yard loop for Unit 3 and the loop sectionalizing valves (PIV's) have already been installed. The existing hydrants provided on the site are adequate to cover all areas of the plant and no additional hydrants need to be installed.

Item (4), Supervision for Valves in Fire Water System, will be completed by September 1, 1980. The Authority will complete installation of locks on outside valves serving safety-related areas by the original commitment date. However, the engineering for the tamper indicating switches on valves inside the building serving safety-related areas is not complete. This is due to extensive efforts by the Architect-Engineer in resolving the outstanding items on Fire Protection Program and priorities given to other fire protection items. Interior isolation valves will be locked in the open position until the tamper indicating switches are installed.

3.1.6 Hose Stations and Hydrants

The original commitment date for completion of this item was April 1, 1980.

Item (1), Additional Interior Hose Stations will be completed by October 31, 1980. The Authority's original estimate for completion of this item was based on removing the construction trailers adjacent to the Primary Auxiliary Building after the 1979 refueling outage and the new Service Administration Building would be completed. It was estimated that there would be sufficient time after trailer removal to complete the underground piping from the yard loop to serve the hose stations in the various buildings. However, due to delays in construction, the new building is still not completed. The Authority, therefore, requires these trailers to remain in place since these serve as a Health Physics Control Point for contractor personnel. Based on this need, the water supply piping route in the yard as well as in the building has been redesigned to avoid the trailer area. In the interim, provisions will be made for manual fire fighting capabilities to extinguish a fire in these areas.

The original commitment date for the hose stations in containment supplied by the demineralized water system was the spring 1981 refueling outage. Because of the extensive 1979 fall outage, the 1981 refueling outage will begin in the summer.

Item (2), NH Fire Hose Thread, and Item (3), Hose Spanner Wrenches and Standpipe Control Valve Wrenches, for the existing hose stations will be completed by June 1, 1980. The new hose stations will be provided with NH fire hose threads by October 31, 1980 due to reasoning stated in Item (1) above.

Item (4), Hose Houses and Equipment in the Yard Area, will be completed by May 1, 1980. This is due to late purchase of this equipment due to Authority priority efforts on NUREG-0578 items.

Item (5), Yard Hydrants, which serve safety-related areas, will be winterized annually.

Item (6), Provide Yard Hydrants with Protective Barriers, will be completed by the original commitment date of April 1, 1980.

Item (7), PIV's will be located to avoid obstruction of the operating wrench.

Item (8), Provide PIV's with Tags Denoting Areas Served, will be completed by the original commitment date of April 1, 1980.

Item (9), Mark the Location of the Buried PIV's, is already completed.

Item (10), Provide Each Hydrant with a Curb Valve, will be completed by July 1, 1980. Approximately 80% of the curb valves have been installed and the remaining work will be accomplished by this date.

Item (11), OS & Y Valves, are not required. In a phone conversation with your Mr. H. George on February 21, 1980, the Authority indicated that the PIV's provided for each standpipe system will accomplish the same function.

3.1.7 Manual Fire Fighting Equipment

This item was completed by the original commitment date of March 1, 1980.

3.1.8 Sprinkler Systems

The original commitment date for completion of this item was April 1, 1980.

Item (1), Diesel Generator Rooms (also see 3.1.9) will be completed by July 15, 1980 due to recent resolution of this item with NRC. In a letter dated November 26, 1979 (IPN-79-84), the Authority stated that it would provide a CO₂ system in the Diesel Generator Rooms in lieu of a sprinkler system.

Item (2), Additional Dry Pipe Sprinklers in Cable Tunnels, will be completed by August 15, 1980 due to recent resolution of this item with NRC. In a letter dated February 28, 1980 (IPN-80-24), the Authority stated that it will extend the sprinkler system, provide horizontal spray type nozzles between the cable trays and provide an independent water supply for the sprinkler system on each side of the electrical tunnel.

Item (3), Sprinkler System in MCC Area of PAB, will be completed by October 31, 1980. In a letter dated July 17, 1979 (IPN-79-51), the Authority deleted this system and stated that it would provide a manual hose station, smoke detection in the below floor area and fire barriers between cable trays containing redundant safety-related cables. The hose station will be provided by October 31, 1980 (see Section 3.1.6, Item (11)). The smoke detectors are part of Item 3.1.3 which is to be completed by October 31, 1980. The fire barriers are part of the Authority efforts on Item 3.1.13, Switchgear Room Protection, which the Authority is scheduling for completion by July 1, 1980.

For Items (2) and (3) in the interim, provisions for detection and manual fighting capabilities as mentioned in Items 3.1.2 (2) and 3.1.6 (1) will be provided to augment the present automatic sprinkler system until it is extended.

3.1.9 Carbon Dioxide System

This item was originally committed for completion by April 1, 1980. However, this item will be completed by July 15, 1980. In a letter dated November 26, 1979 (IPN-79-84), the Authority stated that it was providing a CO₂ system for the Diesel Generator Rooms. In a letter dated April 16, 1979 (IPN-79-16), the Authority stated it was providing a CO₂ system for the cable spreading room. Since these items have only recently been resolved with the NRC, the engineering of the CO₂ system which is common to serve these areas as well as the switchgear room area has been delayed. Since Diesel Generator are not normally in operation, there is the least possibility of a fire hazard in the diesel generator rooms. However, until the CO₂ system has been installed, a watch crew will supervise these areas and diesel generator rooms during the testing periods of these generators. There are existing smoke detectors and a sprinkler system in the diesel generator sump areas.

3.1.10 Emergency Lighting for Access to Safety-Related Areas

This item will be completed by the original commitment date of October 31, 1980.

3.1.11 Fire Brigade

This item will be completed by the original commitment date of April 1, 1980.

3.1.12 Reactor Coolant Pump Oil Collection System

Approximately 80% of the work is completed and the remaining 20% of the work which is outage dependent will be completed by the original commitment date of October 31, 1980.

3.1.13 Switchgear Room Control Cable Protection

This item was committed for completion by April 1, 1980. However, because of the Authority's efforts to comply with NUREG-0578 and other priority items during the refueling outage, this item was not installed. This item is now scheduled to be completed by July 1, 1980. In the interim, provisions for detection and manual fighting capabilities as mentioned in Sections 3.1.2 (2) and 3.1.6 (1) will be provided.

3.1.14 Control Room Door

This item will meet the original commitment date of October 31, 1980.

Section II - Purpose of Modification

The purpose of this modification is to extend the completion dates for certain fire protection improvements to reflect the current schedule for completion of these items.

Section III - Impact of the Change

The extension of the dates for completion for certain fire protection improvements will not alter the conclusions reached in the FSAR and SER accident analysis.

Section IV - Implementation of the Modification

The modification as proposed will not impact the ALARA Program at IP3. The modification as proposed will not decrease the fire protection program improvements. It will only extend the date when all modifications will be completed which is still consistent with the NRC's requirements of completing all fire protection improvements by October 31, 1980.

Section V - Conclusion

The incorporation of this modification: a) will not increase the probability nor the consequences of an accident or malfunction of equipment important to safety as previously evaluated in the Safety Analysis Report; b) will not increase the possibility for an accident or malfunction of a different type than any evaluated previously in the Safety Analysis Report; c) will not reduce the margin of safety as defined in the basis for any Technical Specification; and d) will not constitute an unreviewed safety question pursuant to 10 CFR §50.59.

Section VI - References

- (a) IP3 FSAR
- (b) IP3 SER
- (c) Amendment 24