

ATTACHMENT A

Technical Specification
Page Revisions

Consolidated Edison Company of New York, Inc.
Indian Point Unit No. 2
Docket No. 50-247
May, 1983

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requirements of 3.3-1 within the time period specified, the reactor shall be placed in the hot shutdown condition utilizing normal operating procedures. If the requirements of 3.3.3-1 are not satisfied within an additional 48 hours, the reactor shall be placed in the cold shutdown condition utilizing normal operating procedures.

- a. Fan cooler unit 23, 24, or 25 may be non-operable during normal reactor operation for a period not to exceed 24 hours, provided both containment spray pumps are demonstrated to be operable.

OR

Fan cooler unit 21 or 22 may be non-operable during normal reactor operation for a period not to exceed 7 days provided both containment spray pumps are demonstrated daily to be operable.

- b. One containment spray pump may be out of service during normal reactor operation, for a period not to exceed 24 hours,* provided the five fan cooler units are operable and the remaining containment spray pump is demonstrated to be operable.
- c. Any valve required for the functioning of the system during and following accident condition may be inoperable provided it is restored to operable status within 24 hours and all valves in the system that provide the duplicate function are demonstrated to be operable.

C. Isolation Valve Seal Water System (IVSWS)

1. The reactor shall not be brought above cold shutdown unless the following requirements are met:
 - a. The IVSWS shall be operable.
 - b. The IVSW tank shall be maintained at a minimum pressure of 52 psig and contain a minimum of 144 gallons of water.

* One time only exemption for spray pump 21, the 24 hour action statement for operability may be extended for a period of 48 hours ending 1:00 PM April 30, 1983.

ATTACHMENT B

Safety Assessment

Consolidated Edison Company of New York, Inc.
Indian Point Unit No. 2
Docket No. 50-247
May, 1983

Safety Assessment

The proposed changes, contained in Attachment A to this Application, revise the technical specifications to permit, on a one time only basis, an extension of forty-eight (48) hours to the current twenty-four (24) hour operating limitation with containment spray pump 21 out of service. The requested additional time is to preclude an unwarranted cooldown and cycling of the reactor coolant system and permit sufficient time for repair of the pump. A proposed technical specification page revision is attached. This amendment was requested on an emergency basis and was granted on April 28, 1983. The extension period for which this amendment was issued has already expired.

An evaluation of maintaining the reactor at full power with one spray pump out of service (No. 21) beyond the twenty-four (24) hours permitted by Technical Specification 3.3.B has been performed. Even with spray pump 21 out of service and additionally assuming the most limiting single failure of diesel generator 23, four Fan Cooler Units (FCUs) would still be available for containment cooling (versus the FSAR analysis assumptions of two spray trains or five FCUs or one spray train and three FCUs). Conservative calculations indicate that the containment design pressure of 47 psig will not be exceeded if four FCUs are available. The methodology for this conservative analysis is the same in this application as that used in our application of September 13, 1982. In addition, the river water temperature (i.e., 46°F on April 28, 1983) is such that the heat removal capability of four (4) FCUs is at least equal to the heat removal capability of five (5) FCUs at design conditions. Furthermore, while the conservative assumptions above consider no containment spray pumps, recirculation spray capability is unaffected and will be available with FCUs during the long-term recirculation phase.

Although the capability to remove certain amounts of iodine activity from the containment is reduced under these "worst-case" assumptions, maintaining the containment integrity will ensure that thyroid doses are within the limits of 10 CFR 100. Since our conservative analysis demonstrates that containment pressure remains below its design limit, integrity is insured. Furthermore, the Isolation Valve Seal Water System and Weld Channel and Penetration Pressurization System, which are operable, provide an added level of defense not previously taken credit for in accident analysis and would limit actual containment leakage to essentially zero. This further assures that thyroid doses, without injection spray iodine removal capability, remain within the limits of 10 CFR 100. Even under this "worst case" assumption, the FCUs charcoal filtration banks will still be available to remove iodine from containment atmosphere.

The current Standard Technical Specifications contained in NUREG-0452, Rev. 4, allow an out-of-service time of 72 hours for an inoperable containment spray pump. This Application is consistent with that out-of-service time. Our experience with diesel generator testing has been excellent. Furthermore, based on the results of the Indian Point Probabilistic Safety Study (IPPSS), the impact of one inoperable spray pump on risk is negligible.

Thus, from a practical as well as a technical point of view, maintaining the plant at full power until spray pump repairs are completed is the preferred mode of operation.

The proposed changes have been reviewed by the Station Nuclear Safety Committee and the Consolidated Edison Nuclear Facilities Safety Committee. Both committees concur that the proposed changes do not represent a significant hazards consideration and will not cause any change in the types or an increase in the amounts of effluents or any change in the authorized power level of the facility.

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

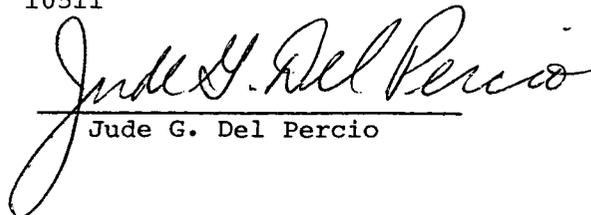
In the Matter of)
)
CONSOLIDATED EDISON COMPANY) Docket No. 50-247
OF NEW YORK, INC.)
(Indian Point Station,)
Unit No. 2))

STATE OF NEW YORK)
) ss:
COUNTY OF NEW YORK)

AFFIDAVIT OF SERVICE

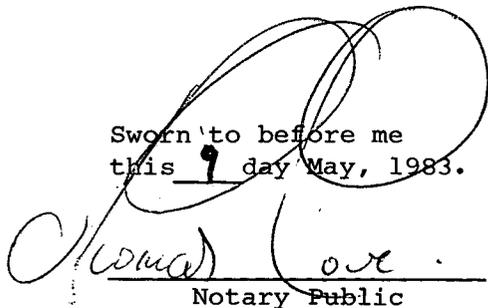
Jude G. Del Percio, being duly sworn, states: That he is a Senior Engineer employed by Consolidated Edison Company of New York, Inc., and that he has served the foregoing document entitled, "Application for Amendment to Operating License", sworn to on May 9, 1983, by mailing a copy thereof, first class postage prepaid and properly addressed to the following person:

Hon. F. Webster Pierce
Mayor, Village of Buchanan
236 Tate Avenue
Buchanan, New York 10511



Jude G. Del Percio

Sworn to before me
this 9 day May, 1983.



Notary Public

THOMAS LOVE
Notary Public State of New York
No. 31-2409638
Qualified in New York County
Commission Expires March 30, 1985