

8-31-73

BEFORE THE UNITED STATES
ATOMIC ENERGY COMMISSION

In the Matter of)
)
Consolidated Edison Company) Docket No. 50-247
of New York, Inc.)
(Indian Point Station, Unit No. 2))

AFFIDAVIT OF CARL L. NEWMAN

CARL L. NEWMAN, being duly sworn, deposes and says
that:

1. He is Vice President of Consolidated Edison Company of New York, Inc. ("Consolidated Edison").
2. He is familiar with the activities Consolidated Edison proposes to conduct pursuant to the requested authorizations contained in the document entitled, "Applicant's Motion for Issuance of a License Authorizing Further Limited Operation" to which this affidavit is attached.
3. He has knowledge of the facts asserted herein.
4. On April 27, 1973, the Commission issued Amendment No. 2 to Facility Operating License No. DPR-26 authorizing the operation of Indian Point Unit No. 2 for testing purposes at

power levels not to exceed 50% of full power. On August 9, 1973, the Commission issued Amendment No. 3 authorizing steady-state operation of Indian Point Unit No. 2 at power levels not to exceed 50% of full power through September 30, 1973. At this time, the 50% testing program has been successfully completed except for two tests leading up to the final plant trip from 50% power which will be completed within the next few days. Therefore, Consolidated Edison will soon operate Indian Point Unit No. 2 at 50% power and will also be ready to operate Indian Point Unit No. 2 at power levels above 50% of full power.

5. Operation of the circulating water pumps during the period of the requested authorizations is expected to be conducted with six circulating water pumps in service. It is anticipated that the circulating water pumps will be operated at reduced flow when necessary.

6. Consolidated Edison's program for further testing from 50% to 99% of full power requires approximately $2\frac{1}{2}$ to 5 weeks for completion. The projected duration, however, is not necessarily consecutive. Rather, the testing program will continue in a manner consistent with the power needs of the Consolidated Edison System. The detailed description of the testing program above 50% power is set forth in Section 13 of

the Final Facility Description and Safety Analysis Report and in the Testimony of Applicant in Support of its Motion for Issuance of a License Authorizing Limited Operation dated October 19, 1971 (follows Tr. 4013).

7. If the authorization to operate Indian Point Unit No. 2 at 50% power were not extended for the period requested, the operation of fossil fuel and gas turbine facilities to replace such power would cause the following increase in emission of pollutants in the metropolitan area:

(a) SO ₂	400 tons/month
(b) NO _x	670 tons/month
(c) Particulates	49 tons/month

8. If Indian Point Unit No. 2 were not authorized to operate at 99% of full power for the period requested, the operation of fossil fuel and gas turbine facilities to replace such power would cause the following increase in emission of pollutants in the New York metropolitan area:

(a) SO ₂	703 tons/month
(b) NO _x	1184 tons/month
(c) Particulates	88 tons/month

9. Climatological records indicate the period between October through November exhibits periods of atmospheric stagnation lasting several days.. Increased emissions from

fossil plants coincident with poor diffusion characteristics of the fall season would tend to contribute to the degradation of the air quality in the metropolitan area.

Carl L. Newman

CARL L. NEWMAN
Vice President
Consolidated Edison Company
of New York, Inc.

Subscribed and sworn to before me
this 31 day of August, 1973.

William R. Miller
Notary Public

WILLIAM R. MILLER
Notary Public, State of New York
Qualified in Queens County
No. 41-7955310
Term Expires March 30, 1974