



June 18, 1991  
IPN-91-023

**Ralph E. Beedle**  
Executive Vice President  
Nuclear Generation

U.S. Nuclear Regulatory Commission  
Mail Station P1-137  
Washington, DC 20555

ATTN: Document Control Desk

Subject: **Indian Point 3 Nuclear Power Plant**  
**Docket No. 50-286**  
**Additional Information for Extending the Operating License Expiration Date**

Dear Sir:

On June 11, 1990, the Authority submitted an application for extending the expiration date of the Indian Point 3 Facility Operating License. During subsequent telephone conversations the NRC staff requested additional information to support the review of the Authority's application. Attachment I to this letter provides the requested information.

If you have any questions, please contact Mr. P. Kokolakis.

Very truly yours,

A handwritten signature in black ink, appearing to read 'R. Beedle', written over a horizontal line.

**Ralph E. Beedle**  
Executive Vice President  
Nuclear Generation

cc: See next page

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A001

Attachment

cc: U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406

Resident Inspector's Office  
Indian Point 3  
U.S. Nuclear Regulatory Commission  
P.O. Box 337  
Buchanan, NY 10511

Mr. Francis J. Williams Jr., Project Manager  
Project Directorate I-1  
Division of Reactor Projects-I/II  
U.S. Nuclear Regulatory Commission  
Mail Stop 14B2  
Washington, DC 20555

**Additional Information for Extending the  
Operating License Expiration Date**

1. There are currently 504 spent fuel assemblies in the Spent Fuel Pool (no spent fuel has been shipped offsite). The average burnup of all assemblies in the Spent Fuel Pool is 32,277.4 MWD/MTU.
2. The Indian Point 3 Spent Fuel storage capacity has been expanded; the Spent Fuel Pool can store 1345 fuel assemblies. This capacity will allow a full core discharge at any point up through cycle 15. Cycle 15 is scheduled to end in March of 2006. Once cycle 16 begins, the Indian Point 3 Spent Fuel Pool will not be able to accept a full core discharge. As stated in our June 11, 1990 letter, the Authority is investigating alternative storage technologies such as fuel rod consolidation and dry storage. Since these technologies are feasible and licensable, there is a reasonable basis for expecting that IP3's spent fuel storage requirements will be accommodated.
3. The Indian Point 3 occupational radiation exposure for the last four years is:

1987	463 person-rem
1988	95 person-rem
1989*	876 person-rem
1990	327 person-rem

\* All four steam generators were replaced in 1989.

4. The approximate curie content of the solid radioactive waste shipped from Indian Point 3 for the last four years is listed below. (See the Indian Point 3 "Semi-Annual Report of Radioactivity in Solid Wastes and Releases of Radioactive Materials in Liquid Gaseous Effluents" for the four year time period for the exact amount and classification of wastes shipped from Indian Point 3.)

1987	333 curies
1988	356 curies
1989	350 curies
1990	150 curies

5. The latest population data for the Indian Point 3 vicinity are the 1987 estimates included in the Indian Point 3 Final Safety Analysis Report on page 2.4-2 and Table 2.4-19. The 1987 estimates are based on 1980 census data updated to 1987 figures using information provided by county planning boards.