



Ralph E. Beedle
Executive Vice President
Nuclear Generation

May 27, 1992
IPN-92-026

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
**Modification of State Pollutant Discharge
Elimination System (SPDES) Permit**

Reference: 1. NYPA letter, R. E. Beedle to NRC Document
Control Desk, dated April 22, 1992
(IPN-92-020).

Dear Sir:

Section 3.2 of the Indian Point 3 (IP3) Non-Radiological Environmental Protection Plan (Part I of Appendix B to the Facility Operating License) requires that changes and additions to the facility's SPDES permit be provided to the NRC within 30 days following the date the change is approved.

By letter dated April 20, 1992 (a copy of which was transmitted to the NRC by Reference 1), the Authority requested New York State Department of Environmental Conservation (NYSDEC) approval to use the chemical molluscicide Betz Clam-Trol CT-1. The NYSDEC has granted approval. Attachment I provides a copy of the approval letter dated May 15, 1992.

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

9206020010 920527
PDR ADOCK 05000286
P PDR

C001

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. Nicola F. Conicella, Project Manager
Project Directorate I-1
Division of Reactor Projects I/II
U. S. Nuclear Regulatory Commission
Mail Stop 14B2
Washington, DC 20555

Attachment I to IPN-92-026

NYSDEC APPROVAL TO USE BETZ CLAM-TROL CT-1

NEW YORK POWER AUTHORITY
INDIAN POINT 3 NUCLEAR POWER PLANT
DOCKET NO. 50-286
DPR-64

New York State Department of Environmental Conservation

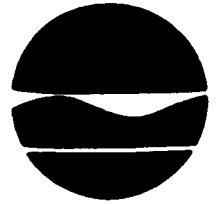
Region 3

21 South Putt Corners Road

New Paltz, NY 12561-1696

914-255-5453

May 1st, 1992



Thomas C. Jorling
Commissioner

MR JOHN R KELLY
NEW YORK POWER AUTHORITY
123 MAIN STREET
WHITE PLAINS NY 10601

Re: Zebra Mussel Control
Indian Point Generating Stations 1, 2, and 3
SPDES #NY-0004472
DEC # 3-5522-11/4-0

PERMIT MODIFICATION

Dear Mr. Kelly:

This letter approves your firm's April 20, 1992 request (as supplemented May 7, 1992) to modify the above State Pollutant Discharge Elimination System permit under the Department's generic permit modification for zebra mussel control. The treatment program shall be undertaken in accordance with the effluent limitations, monitoring requirements and special conditions as set forth in the enclosed attachment # C. This approval should be attached to your existing permit dated August 28, 1987, which expires October 1, 1992.

Please make all involved facility staff aware of these requirements and provide a full copy of the modification to your counterpart at Consolidated Edison. Thank you for your attention to this matter. If you have any questions you may contact Mr. David Reid of this office or Mr. Joseph Marcogliese at our White Plains office (914)761-6660.

Sincerely,

Margaret E. Duke

Margaret E. Duke
Regional Permit Administrator
Region 3

MED/DJR/dah
Enclosure

cc: w/enclosure
C. Manfredi/J. Marcogliese/E. Zicca
R. Hannaford-BWFD
Westchester County DOH
EPA-NY, L. Livingston
EPA-NJ, R. Spear
Interstate Sanitation Commission

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTSDuring the period beginning May 15, 1992and lasting until October 1, 1992

the discharges from the permitted facility shall be limited and monitored by the permittee as specified below:

Outfall Number & Effluent Parameter	Discharge Limitations		Units	Minimum Monitoring Requirements	
	Daily Avg.	Daily Max.		Measurement Frequency	Sample Type
Outfall(s) <u>001</u>					
Betz Clam-Trol CT-1 (whole product)	N/A	0.2	mg/l	Duration of chemical application & discharge	Multiple Grab*

* For purpose of this authorization, multiple grab is defined as individual grab samples collected at three hour intervals during the duration of chemical addition and discharge.

Special Conditions

The Betz Clam-Trol CT-1 program for zebra mussel control, application submitted by letter application dated 04/20/92 to NYSDEC Region 3 New Paltz Office, is approved with the following conditions:

1. The effluent concentrations at the discharge shall not exceed 10 ug/l (ppb) of quaternary ammonium compounds and 6 ug/l (ppb) of dodecylguanidine hydrochloride. For Betz Clam-Trol CT-1, these limitations will be achieved by limiting effluent whole product concentrations.
2. Clam-Trol CT-1 detoxification with bentonite clay or other Department approved adsorption medium is required for all affected discharge waste streams throughout the treatment period.
3. Each individual zebra mussel control treatment is limited to a maximum of 24 hours duration.
4. Treatments for zebra mussel control shall be limited to a maximum of four treatments annually. Treatments shall be separated by at least 45 days.
5. Caged fish studies are required to be conducted during the discharge of the molluscicide. Sample study protocols are available from the Department's Division of Fish and Wildlife. Specific caged fish study protocols must be approved by the Department prior to commencement of the zebra mussel control program.
6. Records of product dosage concentration, effluent flow and effluent concentration of product during addition and discharge must be maintained. The flow shall be measured at the frequency specified for flow elsewhere in this permit or at the frequency of the parameter specified above, whichever is more frequent.
7. The Regional Water Engineer shall be notified not less than 48 hours before initiation of a zebra mussel control program.
8. Reports describing caged fish studies shall be sent to New York State Department of Environmental Conservation, Division of Fish and Wildlife, Standards and Criteria Unit - Room 530, 50 Wolf Road, Albany, New York 12233-4756, within 60 days following each individual zebra mussel control treatment.
9. Reports describing the results of the effectiveness of the zebra mussel control program and the effluent analyses for Betz Clam-Trol CT-1 shall be submitted to the Regional Water Engineer, NYSDEC, within 60 days following each chemical treatment.
10. This permit modification is issued based on the best environmental and aquatic toxicity information available at this time. This authorization is subject to modification or revocation any time new information becomes available which justifies such modification or revocation.