

Indian Point 3
Nuclear Power Plant
P.O. Box 215
Buchanan, New York 10511
914 736.8001



**New York Power
Authority**

L. M. Hill
Resident Manager

September 14, 1994
IP-ADM-94-243

U.S. Coast Guard - Civil Penalties
P.O. Box 100160
Atlanta, Georgia 30384

Subject: Case Number MV9400830 - Payment of Civil Penalty for
Discharge of 1526 Gallons of 12% Sodium Hypochlorite
Solution into the Hudson River

Dear Sir:

Enclosed, please find a check in the amount of \$2,500, payable to the "U.S. Coast Guard" in payment for the violation referenced to the above case number. A description of event and a summary of actions taken in response to the spill are provided below.

Event Description

On June 13, 1994, the Authority discovered a leak in the chlorination system and the system was secured. Investigation into the source of the leak commenced. On June 24, 1994, a sodium hypochlorite leak pathway (which constitutes an unpermitted release path) to the Hudson River was discovered and the appropriate regulatory notifications were made. Since the exact duration of the leakage to the river cannot be determined, the date that the system was put into service, June 5, 1994 is assumed to be the start date for the unpermitted release.

Assuming that the release occurred from June 5, 1994 through June 13, 1994, and that all of the sodium hypochlorite that was released was discharged to the river, the total release to the river would have been 1526 gallons of 12% sodium hypochlorite solution.

Actions Taken

The immediate actions taken to mitigate the incident included:

- The chlorination system was immediately secured.

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- A temporary, aboveground chlorination system was installed to ensure the continued chlorination of the service water system (bio-fouling prevention). This temporary system includes the sleeving of the aboveground piping to minimize the loss of the sodium hypochlorite solution in the event of damage or failure of the temporary piping system.
- Other utilities and sodium hypochlorite vendors were contacted about storage and transfer systems in use in an effort to explore possible improvements in system design and operation.

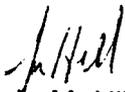
Actions Planned

The failed piping system that transfers sodium hypochlorite from its storage tank to its point of injection into the service water system will be replaced. Engineering of the new system is currently underway. This system will be aboveground and will meet or exceed the design requirements of the new New York State chemical bulk storage requirements due to become effective in the near future. Design and installation of the new system is planned to be completed by the end of 1994. In the interim, the temporary system will continue to be utilized.

Attachment I lists the commitment being made by the Authority in this submittal.

Should you have any questions regarding this incident, please contact Ms. Dara Gray at (914) 736-8414.

Very truly yours,



L. M. Hill
Resident Manager
Indian Point Three Nuclear Power Plant

Attachment

cc: See next page

cc: R. H. Smoyer, Coast Guard Hearing Officer
Atlantic Areas Hearing Office North
408 Atlantic Avenue
Boston, Massachusetts 02110-3350

Mr. Thomas T. Martin
Regional Administrator
Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, Pennsylvania 19406-1415

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
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Washington, DC 20555

Mr. William T. Russell
Director, Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Mail Stop 12-G18
Washington, DC 20555

U.S. Nuclear Regulatory Commission
Resident Inspectors' Office
Indian Point 3 Nuclear Power Plant

List of Commitments

Number	Commitment	Due
IP-ADM-94-243-01	This system will be aboveground and will meet or exceed the design requirements of the new New York State chemical bulk storage requirements due to become effective in the near future. Design and installation of the new system is planned to be completed by the end of 1994. In the interim, the temporary system will continue to be utilized.	December 31, 1994