



July 2, 1987

New York State Department of  
Environmental Conservation  
202 Mamaroneck Avenue  
White Plains, New York 10601  
Attn: Brandon Chew  
Assistant Sanitary Engineer

RE: January 1987 SPDES DMR  
Indian Point Generating Station  
SPDES No. NY0004472

Dear Mr. Chew:

Please find herein the Authority's response to your June 16, 1987 request for information regarding SPDES excursions reported in Indian Point's January 1987 DMR. This information supplements that provided in the Authority's April 15, 1987 response to DEC's March 24th Notice of SPDES Permit Violation.

- BOD<sub>5</sub>: Discharge 001A, 56 mg/l on 1/21/87: The STP's process control program has set the mixed liquor volatile suspended solids level at 3,000 mg/l. Since this value is dependent on plant detention time and activated sludge retention time, it may change slightly. The Authority will check with its consultant, Camo Pollution Control, to determine if this is still the optimum level, or if it should be adjusted to achieve better BOD removal.
- Fecal Coliform: Discharge 001A, 1100 MPN/100 ml on 1/28/87: As a result of a past study of the Sewage Treatment Plant's (STP's) disinfection capabilities, the Authority installed baffles and an air mixing line in the chlorine contact chamber to improve efficiency. The Authority will now conduct a dye study to determine

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if the mixing is adequate, or if it may be further improved. Should the dye study indicate the mixing is adequate, and disinfection efficiency cannot be readily improved by further adjustments, the Authority may petition DEC for its approval to test the use of bromine. Bromine usage would hopefully achieve better disinfection and also reduce the level of oxidant discharged.

• TSS: Discharge 001L 103 mg/l on January 6th. The condensate polisher's waste tanks were inspected in May. The amount of solids found did not appear to be high enough to have caused the excursion. These tanks will be inspected during future outages to determine if the resuspension of accumulated solids in them could be the cause of TSS excursions. The Authority will continue to analyze the suspended solids on each batch release from 001L in order to determine the cause of high TSS levels.

Sincerely,



John W. Blake, Ph.D.  
Director  
Environmental Division

cc: Resident Inspector's Office  
Indian Point Unit 3  
U.S. Nuclear Regulatory Commission

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