

Duke Power Company
Electric System Support Department
13339 Hagers Ferry Road
Huntersville, NC 28078-7929



DUKE POWER

August 14, 1995

Mr. Timothy M. Eleazer
Industrial and Agricultural Wastewater Division
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, SC 29201

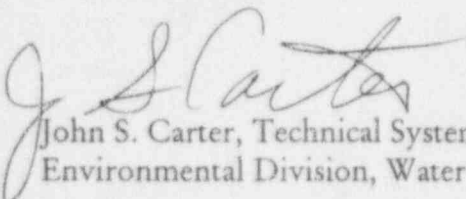
Subject: Catawba Nuclear Station -NPDES Permit No. SC0004278
Sodium Bromide Usage in Cooling Towers
File: CN-702.13

Dear Mr. Eleazer:

Catawba Nuclear Station requests a six month extension to continue the use of sodium bromide in the cooling towers. Your letter dated March 16, 1995 (copy attached) indicates that the approval to use sodium bromide was approved until September 1, 1995. Please respond to this letter indicating if this request is approved.

Should you have any questions concerning this letter please give John Estridge a call at (704) 875-5965.

Sincerely,


John S. Carter, Technical Systems Manager
Environmental Division, Water Protection

jte/469

cc: NRC Document Distribution List

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March 16, 1995

Mr. John Estridge, P.E.
Duke Power Company
Environmental Division, Water Protection
13339 Hagers Ferry Road
Huntersville, N.C. 28078-7929

Re: Sodium Bromide Trial Extension
Catawba Nuclear Station/Duke Power Co.
York County

Dear Mr. Estridge:

Our Office has received your January 4, 1995 letter requesting approval to extend the maintenance chemical trial using sodium bromide for control of biological growth in the two (2) recirculating cooling towers systems at the Catawba Nuclear Station in York County. As we discussed by telephone, this extension is needed in order to evaluate the effectiveness of the sodium bromide during the summer months in conjunction with sodium hypochlorite which is presently used in the cooling towers. Based on a review of the information provided, our Office approves your request with the following conditions:

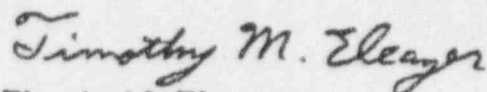
- 1) This trial extension is approved until September 1, 1995.
- 2) A minimum dilution of one (1) part RC cooling tower blowdown water to two (2) parts once through RL cooling water (1:2) must be maintained.
- 3) During the trial, internal Outfall 005 shall be limited to a monthly average of 0.2 mg/l and a instantaneous maximum of 0.5 mg/l for Free Available Oxidants.

In accordance with the Basin Permitting Strategy, we are currently working on revisions to the Duke Power Company Catawba Nuclear Steam Station NPDES permit No. SC0004278. In updating this permit, we are planning to incorporate the permanent use of sodium bromide as a maintenance chemical to the cooling towers.

Duke Power Co./January 4, 1995 letter
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If you should have any questions, please call me at (803)734-5247.

Sincerely,



Timothy M. Elcazer
Environmental Engineer Associate
Industrial and Agricultural
Wastewater Division

TME/dukebr2

cc: Al Williams, Catawba EQC