

ILLINOIS POLLUTION CONTROL BOARD  
May 16, 1974

VILLAGE OF SORENTO	)	
v.	)	PCB 74-97
ENVIRONMENTAL PROTECTION AGENCY	)	
VILLAGE OF NORRIS CITY	)	
v.	)	PCB 74-106
ENVIRONMENTAL PROTECTION AGENCY	)	

OPINION AND ORDER OF THE BOARD (by Mr. Dumelle):

The above two Petitioners request a variance from the limit of 0.02 mg/l for copper found in Rule 203(f) of the Water Pollution Rules in order to apply copper sulfate to public water supply reservoirs to control algae growth. The Board ordered additional information concerning actual dosages, frequency of application, and the resulting copper concentration in the respective raw water intakes in each of the petitions. Both of the Petitioners complied with the Board's order. The Agency has recommended a grant in both cases subject to certain conditions.

The Board has previously granted several variances for application of copper sulfate to control algae growth in public water supply reservoirs this year (City of Nashville, PCB 74-35, (April 18, 1974) and City of Harrisburg et al v. EPA, PCB 74-61 et al (May 2, 1974)). For the reasons detailed in the Nashville Opinion, the Board has decided to grant each of the requested variances subject to the conditions found in the respective Agency recommendations. Both Villages were granted variances to apply copper sulfate in the 1973 algae growth season. One condition of both of these variances was that copper concentration in the Village of Norris City's water intake shows that copper concentration exceeded this limitation. Therefore, the Board agrees with the Agency that Norris City's rate of application for copper sulfate be reduced from 800 to 600 pounds of copper sulfate per monthly treatment.

This Opinion constitutes the Board's findings of facts and conclusions of law;

ORDER

Each Petitioner is hereby granted a variance from Rule 203(f) of the Water Pollution Rules subject to the following conditions:

1. Village of Sorento

a. That the copper sulfate treatment be limited to one treatment every two weeks for the month of June through and including September, 1974

b. That copper sulfate dosage not exceed 100 pounds per treatment

c. That copper concentrations in the raw water intake to the treatment plant never exceed the 1.0 milligram per liter recommendation of the U.S. Public Health Service Drinking Water Standards

d. That the copper concentration in the reservoir be measured immediately prior to and after each copper sulfate treatment, and the results of the measurement be submitted to the Environmental Protection Agency on a monthly basis.

2. Village of Norris City

a. That the copper sulfate treatment be limited to one treatment per month for the months of April through and including September, 1974

b. That Petitioner would, whenever possible, avoid treating the reservoir near the raw water intake pipe

c. That the copper sulfate dosage not exceed 600 pounds per treatment

d. That the copper concentrations in the raw water intake to the treatment plant never exceed 1.0 milligram per liter recommendation of the U.S. Public Health Drinking Water Standard

e. That the copper concentration of the reservoir be measured immediately prior to and after each copper sulfate treatment, and the results of the measurement be submitted to the Environmental Protection Agency on a monthly basis.

f. That the Village of Norris City obtain commercial field testing equipment for copper for use in monitoring the copper level of raw water intake during time of treatment and keep records of such tests for Agency review.

IT IS SO ORDERED.

I, Christan L. Moffett, Clerk of the Illinois Pollution Control Board, certify that the above Opinion and Order was adopted on this 16<sup>th</sup> day of May, 1974 by a vote of 5-0.

Christan L. Moffett