

ILLINOIS POLLUTION CONTROL BOARD

May 26, 1977

VILLAGE OF GRAYSLAKE,)
)
) Petitioner,)
)
)
) v.) PCB 77-98
)
)
) ENVIRONMENTAL PROTECTION AGENCY,)
)
) Respondent.)

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

On March 31, 1977, the Village of Grayslake, Lake County, Illinois, submitted a Petition for Variance before the Board. The Village seeks variance from Rule 962 of the Water Regulations, Chapter 3 of the Board's Rules and Regulations, in order to obtain a permit for sewer connections to the Grayslake Sewage Treatment Plant, which is currently under restricted status because the Environmental Protection Agency (Agency) has determined that it is hydraulically and biologically overloaded. The Agency filed its Recommendation in this matter on April 25, 1977. No hearing has been held.

The Village seeks to construct a sanitary sewer extension to serve eighteen single dwelling residential units and six non-residential buildings in the "Triangle" area bounded by Route 83, Route 120 and Ivanhoe Road. The estimated average flow for this project area is 9800 gallons per day, and the estimated maximum flow for this project area is 39,200 gallons per day. The effluent generated would be primarily domestic wastes. The Village indicates that the anticipated daily load would be 16.66 pounds of BOD₅ and 19.6 pounds of suspended solids. The proposed sewers could be operational by May, 1977.

The Village alleges that the septic systems presently serving the subject area are inadequate and constitute a health hazard. The Agency agrees. Petitioner indicates that several septic systems in the area have failed. Samples taken from a storm drain that crosses Route 120 between Ivanhoe Road and Route 83 indicate that some of

the percolation tile fields are not working properly and that direct discharges to the surface runoff collection system are occurring. Furthermore, due to the seasonal high water, additional land would be required for adequate septic system performance, and that land is not available.

The Village indicates that, during periods of hydraulic overloading of its sewage treatment plant, some flow bypasses the primary and secondary operations and enters a lagoon which is aerated and the outflow chlorinated. Thus, all flows receive primary treatment (some settling) and chlorination. The Village indicates that sewer connections to serve the Triangle area would at least reduce the coliform bacteria currently discharging from the area. Ultimately, the Grayslake Sewage Treatment Plant will be phased out and the sewage from Grayslake treated at the North Shore Sanitary District Plant in Gurnee, Illinois. The present anticipated completion date for the Gurnee Plant is sometime during the fall of 1977.

The Board finds that an arbitrary and unreasonable hardship would result from the denial of this variance. Although the Grayslake plant is on restricted status, a variance to allow sewer connections to this system is justified in order to eliminate inadequate septic systems which pose an even greater health hazard to the public. Therefore, subject to the conditions listed below, the Board will grant the Village a variance from Rule 962 of Chapter 3 to allow the Village to obtain sewer connection permits for the units listed in its Petition.

This Opinion constitutes the findings of fact and the conclusions of law of the Board in this matter.

ORDER

It is the Order of the Pollution Control Board that the Village of Grayslake be granted a variance from Rule 962, Standards for Issuance, of Chapter 3: Water Pollution Regulations, subject to the following conditions:

1. That the Village apply for and obtain a construction and operating permit for the subject sanitary sewer extension;

2. That the Village direct all sanitary flow to the Gurnee sewage treatment plant within thirty days after the interceptor to said Gurnee plant becomes available;

3. That the variance granted herein shall be limited to the eighteen existing residential units and six existing non-residential units set forth in the variance petition; and

4. That within 28 days of the Board Order herein the Petitioner shall forward to the Illinois Environmental Protection Agency, Variance Section, Manager, Division of Water Pollution Control, 2200 Churchill Road, Springfield, Illinois 62706, and to the Illinois Pollution Control Board a Certificate of Acceptance and Agreement to be bound by all terms and conditions of the variance. The form of said Certification shall be as follows:

CERTIFICATION


I (We), _____ having read and fully understanding the Order of the Illinois Pollution Control Board in PCB 77-98 hereby accept said Order and agree to be bound by all of the terms and conditions thereof.

SIGNED _____

TITLE _____

DATE _____

I, Christan L. Moffett, Clerk of the Illinois Pollution Control Board, hereby certify the above Opinion and Order were adopted on the 26th day of May, 1977 by a vote of 5-0.



Christan L. Moffett, Clerk
Illinois Pollution Control Board