ILLINOIS POLLUTION CONTROL BOARD February 21, 1974

NORTH	SHORE	SANITARY	DIST	RICT)))		
		v.)))	РСВ	73-502
ENVIRONMENTAL PROTECTION AGENCY)))		

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

Petition for variance was filed on November 30, 1973 by the North Shore Sanitary District (NSSD). The petition seeks to extend from March 2, 1974 to March 2, 1975 the period in which sewer connections, in the amount of 9,133 population equivalents (P.E.), to the Waukegan sewage treatment plant may be made. The proceeding seeks a year's extension to the unused portion of the 13,333 P.E. allowance granted by the Board in PCB 72-451, decided February 14, 1973 and its predecessor, PCB 71-343.

The NSSD alleges in its petition that the City of Waukegan is proceeding with a sewer rehabilitation program and that the connection permits are needed as work progresses.

The Environmental Protection Agency (Agency) filed its Recommendation on January 7, 1974 and recommended a grant of the variance subject to all the past applicable orders of PCB 72-451 and PCB 71-343 (January 31, 1972 amended March 2, 1972). The Agency points out that in the 10 months from January 1973 through October 1973 the requirement of Order No. 12 of PCB 71-343 for a 30/35 mg/1 BOD/SS effluent at the Waukegan plant was violated in 4 months for BOD and in 8 months for suspended solids. However, the most recent data show excellent BOD levels (6 mg/1 in September 1973; 9 mg/1 in October 1973) and suspended solids of 32 mg/1 in September 1973 and 36 mg/1 in October 1973. These improved effluents seem to coincide with lower flows to the sewage plant. Whether these lower flows are the result of the City of Waukegan's sewer repairs or merely a reflection of dry weather is not stated.

A sewage plant expansion to 19.9 MGD by January 1974 is mentioned by the Agency. Recent average flows have been between 13.65 MGD and 22.6 MGD for the 10 months period mentioned above. After the expansion is completed, the Agency feels the 20/25 mg/1 standard of Rule 404(b) can be met.

Delays in the NSSD's construction program are detailed by the Agency but in part these were due to circumstances beyond the NSSD's control.

A public hearing was held on January 30, 1974 in Waukegan. A stipulation agreeing to an extension of the variance was presented by the NSSD, the Agency, and the Illinois League of Women Voters (which was an original party). No public objection or comment was made.

We grant the requested variance until December 31, 1974. All applicable orders shall remain in force. After April 1, 1974 the Waukegan plant will be required to meet the effluent standard of 20 mg/l BOD $_5$ and 25 mg/l suspended solids as listed in Rule 404(b) of the Water Pollution Regulations. Rule 404(d) requires an effluent of 4 mg/l BOD $_5$ and 5 mg/l suspended solids to Lake Michigan after December 31, 1974. Nothing appears in this record to show if this standard will be met.

Within 90 days from the date of this opinion the NSSD shall file with the Board a status report on the City of Waukegan's sewer rehabilitation program listing all sanitary sewers deficient in hydraulic capacity and the timetables and costs involved to correct each.

ORDER

- 1. Variance is granted until December 31, 1974 to connect the unused balance of the 13,333 P.E. to the Waukegan sewage treatment plant.
- 2. The Waukegan sewage treatment plant shall maintain an effluent of 20 mg/l BOD, and 25 mg/l suspended solids after April 1, 1974 measured as a monthly average.
- 3. Within 90 days from the date of this Opinion the NSSD shall file with the Board a status report on the City of Waukegan's sewer rehabilitation program listing all sanitary sewers deficient in hydraulic capacity and the timetables and costs involved to correct each.
- 4. All applicable orders of PCB 72-451 and PCB 71-343 shall remain in effect.

IT IS SO ORDERED.

I, Christan L. Moffett, Clerk of the Illinois Pollution Control Board, hereby certify the above Opinion and Order were adopted on the day of February, 1974 by a vote of

Illinois Pollution Control Board