

ILLINOIS POLLUTION CONTROL BOARD
September 30, 1976

VILLAGE OF ADDISON)
)
 Petitioner,)
)
 v.) PCB 76-119
)
 ENVIRONMENTAL PROTECTION AGENCY,)
)
 Respondent.)

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

Petition for variance from Rule 602 of Chapter 3, Water Pollution Rules and Regulations, was filed with the Board on April 27, 1976. The Environmental Protection Agency ("Agency") filed its Recommendation on July 21, 1976. No public hearing was held. Additional material was filed by the Petitioner on August 23, 1976. An Agency reply to the Petitioner's material was filed today.

The Village of Addison ("Addison") asks to construct a 110,000 gpm (245 cfs) pumping station at Diversey Avenue discharging combined stormwater from its sewer system into Salt Creek which is tributary to Des Plaines River. The proposed pumping station will provide drainage relief for 200 acres of the Village served by combined sewers. Flooding of streets and homes in 22 acres of this 200 acre area occurs affecting 65 homes about 10 times a year (Pet. p. 1).

The Diversey Avenue Pumping Station is to augment the existing Myrick Avenue Pumping Station which has a capacity of 21,000 gpm or 19% that of the proposed station. Diversey Avenue will also handle storm flows from a 500 acre area which has separate storm and sanitary sewers. This area also floods and 105 single family homes and an apartment area of 60 units are affected.

Addison asserts that compliance with Rule 602 will come by May 1979. It received a Step 2 Grant on March 2, 1976 for work on its South Sewage Treatment Plant and Intercepting Sewers. The South Treatment Plant will provide complete treatment for

2.5 times dry-weather-flow and primary treatment for 10 times dry-weather-flow.

The Petitioner asserts that because of inadequate pumping capacity at Myrick Avenue the time of overflow to Salt Creek extends well beyond the actual rain periods. In the period from May 1974 to April 1975, precipitation occurred on 79 days but Myrick Avenue pumped on 152 days. Gravity bypasses to Salt Creek also occurred when the Creek level is below 661 ft. elevation above sea level but no records are available for these occurrences.

Using the same data it is estimated that the periods of pumping would be reduced to 52 days from the present 152 days. Thus the same total volume will be pumped to Salt Creek but in a shorter time. And since presumably the Creek is at maximum flow during and immediately after a rain, the effects upon its dissolved oxygen levels should be no worse than now (7.6 mg/l).

The hardship that will be suffered by Addison if the variance is not granted is the inability to relieve surface flooding to the enumerated properties.

The Agency initially recommended denial of the variance because it believed that the inclusion of storm sewers will make it grant ineligible. Also the Agency found that the "cost-effective survey" submitted by Addison was not sufficient to check the sizings of the interceptor sewers to the sewage plant. Thus it could not determine if Addison's proposed compliance plan is adequate.

The letter of August 19, 1976 from the Village President of Addison points out that the Diversey Avenue Pumping Station is not intended to be part of the grant-financed sewage work improvements. Funds are on hand for this purpose which were raised from a local bond issue. The question of interceptor sizing to the plant is also reviewed in the same letter to their consulting engineer.

The Agency's September 30 submission found that the Diversey Avenue Pumping Station does comport with planning principles for the portion of the area it will serve. A grant of the variance is recommended.

The variance thus is a request to build a supplementary combined stormwater pumping station with local funds. The period

of pumping will be reduced by two-thirds and thus less retention in the sewers should occur. Consequently the sanitary wastes portion discharged should decrease.

We feel the variance should be granted. Some of the flooding described is due to overbank inundation and may be reduced by the proposed levee. How much flooding will then remain to be cured by this variance is not clear. But the environmental effects of the present sanitary discharges should be reduced.

On September 9, 1976 a petition was filed from three residents affected by the flooding requesting a public hearing. Without ruling on the validity of the hearing request we would note that it is moot because of the grant of the variance.

This Opinion constitutes the Board's findings of fact and conclusions of law.

ORDER

Petition for variance from Rules 602(a), 602(c) and 602(d)(3) in order to allow the construction of the Diversey Avenue Pumping Station is granted. Petitioner shall apply for and obtain all necessary construction permits.

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 30th day of September, 1976 by a vote of 5-0.



Christan L. Moffett, Clerk
Illinois Pollution Control Board