

ILLINOIS POLLUTION CONTROL BOARD  
September 18, 1975

|                                    |   |            |
|------------------------------------|---|------------|
| VILLAGES OF ROUND LAKE, ROUND LAKE | ) |            |
| PARK, ROUND LAKE BEACH, and AVON   | ) |            |
| TOWNSHIP,                          | ) |            |
|                                    | ) |            |
| Petitioners,                       | ) |            |
|                                    | ) |            |
| v.                                 | ) | PCB 75-308 |
|                                    | ) |            |
| ENVIRONMENTAL PROTECTION AGENCY,   | ) |            |
|                                    | ) |            |
| Respondent.                        | ) |            |

OPINION OF THE BOARD (by Mr. Dumelle):

The Pollution Control Board on September 4, 1975 granted Petitioners a variance from Rule 203(h) of the Water Pollution Regulations in order to apply rotenone, a fish toxicant, to Round Lake. Petitioners had applied on August 6, 1975 for a variance to apply rotenone in order to remove an over abundance of stunted yellow bass and carp populations. On September 4, 1975 the Illinois Environmental Protection Agency (Agency) filed a recommendation to grant the variance subject to certain conditions. No hearing was held on the request. The Board has approved for final public comment a regulatory amendment to Rule 203(h) of the Water Pollution Regulations, R75-7, which if enacted would allow the use of fish toxicants under the direction of the Department of Conservation.

Round Lake is a 215 acre lake located in Lake County, Illinois. The Illinois Department of Conservation Fish Surveys of Round Lake, which were conducted in 1968, 1972, and 1974 indicate that the quality of fish life in Round Lake has deteriorated. Based on these studies, the Department of Conservation has recommended the complete rehabilitation of Round Lake through the application of rotenone. A fishery biologist from the Department of Conservation will apply the 2.5% emulsifiable rotenone solution during the second week of September. Petitioners estimate that the water temperature of the Lake will cause the rotenone to remain toxic for a period of ten to fourteen days. Petitioners will prevent

Round Lake from discharging during the treatment period by raising the level of the dam. Petitioner will treat any effluent discharged over the dam with potassium permanganate in order to detoxify the rotenone. Between 53.8 and 64.5 tons of fish will be killed as a result of the rotenone treatment. Petitioner will remove the dead fish by volunteers and will dispose of the fish at sanitary landfill, rendering plants, or mink farms. Round Lake discharges to an unnamed creek which flows for approximately 2.5 miles before discharging into Long Lake. Neither Round Lake nor Long Lake are utilized as public water supplies.

The Board finds that the application of rotenone to Round Lake will result in an enhancement of the fishery present in Round Lake. For this reason the Board finds the grant of a variance to be warranted.

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

I, Christan L. Moffett, Clerk of the Illinois Pollution Control Board, hereby certify the above Opinion was adopted on the 18<sup>th</sup> day of September, 1975 by a vote of 3-0.

Christan L. Moffett (g)  
Christan L. Moffett, Clerk  
Illinois Pollution Control Board