

"To bring the iron content of the water to the permissible standard as established by the E. P. A. we recommend the installation of iron removal equipment at the water source, the wells. If it is decided to install iron removal equipment, then one of the following projects should be undertaken.

A. Treatment of one of the wells using the existing well room to house the equipment.

B. Treatment of both wells using the existing well room and part of the fire department building to house the equipment.

C. Treatment of one or both wells and housing the equipment in a new building.

D. Drilling a new well and constructing a new treatment plant at the site.

The following are our comments and approximate construction cost estimates, including engineering fees, for the projects outlined above.

Project "A" would involve the installation of four (4) 6'-6" diameter iron removal filters in the existing well room of the municipal building including necessary piping revisions, new reinforced concrete floor and electrical work. The estimated cost for this project is \$82,500.00.

Project "B" would involve approximately twice the construction plus additional piping as outlined in "A" and is estimated to cost approximately \$170,000.00. However, the entire truck bay adjacent to the well room would have to be utilized.

Project "C" would require the purchase of property near the wells and the construction of a building to house the equipment. Depending on whether one or both wells are to be treated the cost estimate is between \$110,000.00 and \$230,000.00 which does not include the cost of property.

Project "D" involves the drilling of a new well (800 to 1,000 gallon per minute capacity) and construction of a treatment plant. This project would cost approximately \$300,000.00 plus the cost of purchasing property.

You will note the least expensive project would be to treat the water from one well and house the equipment in the existing well room.

This project would treat approximately twice the maximum days use as we outlined earlier in this report. The other well would be utilized if the demand on the system required it but the water would by-pass the filters."

On the present state of the record, we do not believe it incumbent upon the Board to direct which alternative the Village should pursue. We are only concerned with compliance with the relevant regulations and, accordingly, order the Village to take immediate steps to bring their water facility into compliance. We will direct that the Village select which program it intends to pursue and obtain the requisite permits from the Agency by May 1, 1973, and further direct that the Village be in compliance with all statutory and regulatory provisions with respect to the operation of a public water facility by November 1, 1973. On the state of the record, the imposition of a penalty does not appear warranted.

This opinion constitutes the findings of fact and conclusions of law of the Board.

IT IS THE ORDER of the Pollution Control Board the the Village of Beecher shall apply for and obtain the requisite permits from the Environmental Protection Agency for construction of its public water supply facility by May 1, 1973, and shall be in full compliance with all statute and regulatory provisions with respect to the conduct and operation of a public water supply facility by November 1, 1973. Reports on the progress of its compliance program shall be made monthly to the Environmental Protection Agency, the first to be filed no later than June 1, 1973.

I, Christan Moffett, Clerk of the Illinois Pollution Control Board, certify that the above Opinion and Order was adopted on the 30th day of January, 1973, by a vote of 3 to 0.


Christan J. Moffett

