

ILLINOIS POLLUTION CONTROL BOARD
November 20, 1986

RICHARD F. FARMER (McHENRY)
COMMUNITY CONSOLIDATED SCHOOL)
DISTRICT 15) AND ILLINOIS)
ENVIRONMENTAL PROTECTION AGENCY,)

Complainants,)

v.)

PCB 84-149

MATTHEW J. STAHL AND EASTWOOD)
MANOR WATER CO.,)

Respondents.)

CHERYL LOCKWOOD AND ILLINOIS)
ENVIRONMENTAL PROTECTION AGENCY)

Complainants,)

v.)

PCB 84-153
(Consolidated)

MATTHEW J. STAHL, PATRICIA M.)
STAHL, AND EASTWOOD MANOR)
WATER CO.,)

Respondents.)

ORDER OF THE BOARD (by R. C. Flemal):

This matter comes before the Board upon the October 16, 1986 response of the Illinois Environmental Protection Agency ("Agency") to the remedial plan offered by the Eastwood Manor Water Company ("EMCO"). Cheryl Lockwood ("Lockwood") submitted a response to EMCO's plan on November 18, 1986.

The Board issued a decision in this matter on March 14, 1986. The Board's Order of that date required EMCO to, inter alia, submit within 90 days

a written plan addressing remedial actions to be undertaken in each of the areas which resulted in violation of the Illinois Environmental Protection Act or the Board's regulations.

The Board received EMCO's remedial plan on June 10, 1986.

As part of its March 14, 1986 Order, the Board also required the following action on the part of the Agency:

After receipt of (EMCO's) remedial plan, the (Agency) shall, within 90 days after receiving such plan, submit a response to the plan. The response may, in the Agency's discretion, contain any revisions which the Agency determines to be necessary in order to prevent the occurrence of future violations on the part of Eastwood Manor Water Company.

The Board withheld final disposition of this matter, pending receipt of the remedial plan and the Agency's comments, if any, regarding it.

The remedial plan submitted by EMCO reads in full as follows:

Regarding Counts I and II EMCO will perform the following action:

- A. EMCO will inject a polyphosphate chemical into the water at the Lincoln Road pumping station to "sequester the iron con" to maintain the iron content within the maximum allowable concentration of lppm. This treatment was installed September 3, 1985 and is controlling the red water problem. Occasional flushing on dead end mains and portions of the distribution system that has flow reversals is still a company policy.
- B. Inject a liquid bleach chemical into the water system at the Country Lane and Lincoln Road pumping station to maintain the required chlorine level. The Country Lane pumping station is on automatic standby only and comes on when pressure drops to 25. Water from this well contains some sulfur which will be controlled through chlorination.
- C. Tastes in the water in the area of the Kuck residence will be controlled through more frequent flushing as Mr. Kuck is on a dead end.

Regarding Count III

Regarding this count the company will notify all customers in the future promptly in the event that the water fails to meet the 1.0 mg/l max. allowable concentration for iron.

Regarding Count IV

Regarding this count the company will issue boil orders whenever the water pressure falls below 20psi in the water system.

Regarding Count V

Regarding this count the company will notify the Agency whenever the safety of the water supply is endangered or when it becomes necessary to issue a boil order.

THE AGENCY'S SUGGESTED ADDITIONS TO EMCO REMEDIAL PLAN

The Agency's response to EMCO's remedial plan lists several additional actions which the Agency believes need to be added as required elements of the plan in order to prevent EMCO from committing future violations. These suggested additional actions are as follows:

1. EMCO shall completely flush its distribution mains three times per year (early spring, mid summer and late fall) in order to remove iron sediments from the system.
2. Dead ends shall be flushed as frequently as necessary to result in the maintenance of 0.5 mg/l chlorine residual in these dead ends.
3. EMCO shall continue to inject chlorine at the Country Lane and Lincoln Road pumping stations and shall test chlorine residual at each well daily. EMCO shall adjust the pumps as necessary to maintain approximately 1.0 mg/l residual chlorine.
4. EMCO shall improve controls at Lincoln Road pumping station so that the pumping capacity is sufficient to keep the tank full. The tank shall be kept full except when there is danger of its freezing, in order to reduce the number of incidents of low water pressure and outage.
5. EMCO shall keep records of the following information and shall submit those records to the Agency with its monthly operating reports:
 - a. Daily records of chlorine injected, chlorine residual and water pumped at each well.
 - b. Results of monthly chlorine residual sample at each of the dead ends. (The Agency is aware of three dead ends on this system.)
 - c. Daily record of the amount of phosphate solution injected at the Lincoln Road well.
 - d. Copy of continuous pressure recording chart (located at the elevated water tank).

The Board finds that the Agency's suggestions are appropriate measures for assuring the efficacy and legality of EMCO's operations. For those reasons, the Board orders that the additional actions proposed by the Agency in its October 16, 1986 response be integrated, in full, into EMCO's remedial plan.

The Lockwood response to the EMCO remedial plan essentially concurs with the Agency's recommendations, but seeks the addition of several other requirements to it. Specifically, Lockwood seeks:

1. Notification by EMCO to her, and to the other customers of the system, at least three days in advance of flushing of the distribution mains.
2. The specification of a date certain by which EMCO is to improve controls at the Lincoln Road pumping station, and delineation by the Agency as to how to best improve the controls.
3. Maintenance by EMCO of the following records, as well as submission of them to the Agency concurrently with the submission of monthly operating reports:
 - a. records of all flushing of distribution mains and dead ends
 - b. records of all complaints by customers.
4. That EMCO be required to maintain the records referenced in item 5 of the Agency response and number 3 (above) in such a manner that they may be available for inspection by EMCO customers during normal business hours.

The Board finds that certain of Lockwood's suggestions warrant addition to the EMCO remedial plan. Notification to the system's customers by EMCO at least three days in advance of distribution main flushing, and planned maintenance and submission to the Agency of records relating to the flushing of mains as well as dead ends, are hereby added by the Board to the remedial plan. The Board concludes that Lockwood's other suggestions cannot and/or should not be integrated into the plan and therefore will not be.

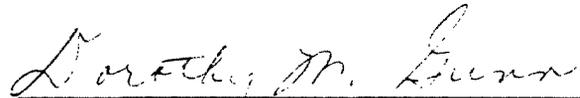
Lockwood's November 18 filing additionally alleges that EMCO has yet to pay the \$1,000 penalty assessed it by Board Order of March 14, 1986. The Board's July 11, 1986 Order set a deadline of August 4, 1986 for payment of the penalty. The Board specifically requests Agency confirmation of this charge and notification to the Illinois Attorney General so that, if true, appropriate action may be taken in furtherance of collecting the penalty.

Finally the Board reminds EMCO that, pursuant to the Board's March 14, 1986 Opinion and Order, the company must implement the provisions of the plan within six months of the date of this Order.

This constitutes Board final action and this docket is hereby closed.

IT IS SO ORDERED.

I, Dorothy M. Gunn, Clerk of the Illinois Pollution Control Board, hereby certify that the above Order was adopted on the 20th day of November, 1986, by a vote of 6-0.



Dorothy M. Gunn, Clerk
Illinois Pollution Control Board