

ILLINOIS POLLUTION CONTROL BOARD
October 31, 1972

ENVIRONMENTAL PROTECTION AGENCY)
)
)
v.) PCB 72-76
)
)
FANSTEEL, INC., a corporation, and)
CITY OF NORTH CHICAGO, a municipal)
corporation)
)

ORDER OF THE BOARD (by Mr. Dumelle)

The Stipulation and Proposal submitted by Fansteel, Inc. (Fansteel) and the Environmental Protection Agency (EPA) on June 14, 1972 as modified by a letter received October 31, 1972 from Fansteel to the Pollution Control Board is accepted and approved.

The conditions of the Order are as follows:

1. South Plant -- Fansteel will install equipment necessary to pre-treat the South Plant effluent as specified in Exhibit F so as to permit discharge of all of said effluent to the North Shore Sanitary District sanitary sewer system. Said equipment will be installed and made operative within a period of twenty-two (22) weeks after the necessary Permit is issued. The system and timetable are more specifically described in said Exhibit F of these proceedings.
2. North Plant -- Fansteel will install equipment necessary to pre-treat the North Plant effluent so as to permit discharge of all of the effluent to the North Shore Sanitary District within a period of twenty-six (26) weeks after the necessary Permit is issued.
3. Carbon Absorption System -- Fansteel will:
 - A. Install at the South Plant a carbon absorption system

system to treat cyanide containing effluent emanating therefrom, which equipment will be installed and made operative as part of the total effluent treatment system detailed in Exhibit "F".

B. As previously discussed, the parties have determined that such treatment for cyanide is not necessary to permit discharge of the South Plant effluent to the North Shore Sanitary District. However, it is recognized that the installation and operation of such equipment are of interest to the EPA in permitting the Agency to determine the effectiveness of such a system for treating complex cyanide-containing plating wastes. The Agency feels that such information will serve to more effectively review future applications which may involve similar type wastes. Fansteel agrees that it will continue the operation of the carbon absorption system after such time as the wastes are fully discharged into the North Shore Sanitary District and Fansteel further agrees that it will make available to the EPA in the normal course of reporting for a period of one year all of the data information and results derived from the operation of the system and will allow the EPA to observe and inspect the operation thereafter.

C. Until completion of the programs outlined in Paragraphs 1 and 2 above, Fansteel will cause its spent acids to be removed from the premises by a licensed scavenger and disposed of in accordance with all existing rules and regulations.

D. Fanstell will make any necessary piping and plumbing changes in the Plant so as to more expeditiously discharge any portion of its effluent to the North Shore Sanitary District on an accelerated schedule. It is to be recognized that this piping may or may not become part of the proposed long-range solutions to the problem and, therefore, are considered to be an additional expense over and above those previously mentioned.

The cost of installing and operating the solutions described in this paragraph 3 is estimated in Appendices I through IV of these proceedings.

4. Fansteel will pay to the Treasurer of the State of Illinois, pursuant to Title XII Section 42 of the Environmental Protection Act, the amount of \$20,000. Such payment shall be made by check to the Fiscal Services Division, Illinois Environmental Protection Agency, 2200 Churchill Drive, Springfield, Illinois 62706.

5. Fansteel agrees to execute a Performance Bond in a form acceptable to the EPA and guarantee its execution of the terms and conditions of this Settlement Agreement; such Bond may be either Fansteel own Bond, supported and authorized by an appropriate Resolution of its Board of Directors (or Executive Committee), or a Surety Bond.

6. Fansteel shall apply for all necessary Permits from the EPA for the proposed modifications described herein.

7. Fanstell will provide monthly reports to the EPA by the 20th of each month, describing the compliance made during the preceding month.

IT IS SO ORDERED.

I, Christan L. Moffett, Clerk of the Illinois Pollution Control Board, hereby certify the above Order of the Board was adopted on the 31st day of October, 1972 by a vote of 5-0.


Christan L. Moffett, Clerk
Illinois Pollution Control Board

