

ILLINOIS POLLUTION CONTROL BOARD
January 30, 1973

CENTRAL SOYA COMPANY, INCORPORATED)
)
) #72-320
 v.)
)
 ENVIRONMENTAL PROTECTION AGENCY)

W. F. BORGMANN, APPEARED ON BEHALF OF CENTRAL SOYA COMPANY,
INCORPORATED
PRESCOTT E. BLOOM, SPECIAL ASSISTANT ATTORNEY GENERAL, APPEARED
ON BEHALF OF ENVIRONMENTAL PROTECTION AGENCY

OPINION AND ORDER OF THE BOARD (BY SAMUEL T. LAWTON, JR.):

This is a variance petition requesting an extension until July 31, 1973 to comply with the provisions of Rule 405 of the Water Pollution Regulations, providing that no effluent shall exceed 400 fecal coliform per 100 mg/l after July 31, 1972.

Petitioner owns and operates a facility near Gibson City, Illinois in which it processes soy beans and manufactures and stores livestock and poultry feed, employing 250 persons and serving 225 feed dealers. Storage space for 8,500,000 bushels of grain is provided. 9,000,000 bushels of soy beans are processed each year. Discharge from the facility approximates 20,000 fecal coliform per 100 mg/l at a flow rate of .2 million gallons per day. Petitioner employs a three-stage sewage treatment plant lagoon.

It proposes a combination of in-plant waste reduction methods and re-cycling of effluent water in the processes of the plant, including water from the third stage lagoon used as boiler make-up, which will result in the reduction of fecal coliform as well as a reduction in the total volume of effluent discharge and total water usage. A sand filter in the process cooling tower circuit is also being installed. Experimentation is to be completed by March 1, 1973 and installation of all new equipment to bring the operation into compliance will be installed by July 31, 1973.

Petitioner represents that installation of chlorination facilities will cost in excess of \$30,000. The Agency recommends the variance be denied unless the petitioner can demonstrate the experimental system can be successfully developed and constructed by July 31, 1973, that the cost of interim chlorination will be unreasonable and that the granting of the variance will not have an adverse effect on the receiving stream. The Agency further recommends that in the event a variance is allowed that petitioner be obliged to submit bimonthly reports indicating its progress by July 31, 1973, that

all plans be submitted to the Agency for approval and that a performance bond be posted to assure compliance with Rule 405 (Water Pollution) by July 31, 1973.

Hearing was held on the petition on December 14, 1972. The record indicates that the principal source of the fecal count is from human sewage generated in the plant (R. 728). A witness for Respondent described the program by which water would be reduced and re-cycled in both the cooling tower circuits and process operation. In addition, lagoon back-up water would be used as make-up water in the boiler systems. The water reduction program and the improved efficiency of the existing system appear to be successful. Lagoon water will be used as make-up water in the extraction plant cooling circuits. Lastly, if the foregoing program does not produce a satisfactory effluent, chlorination will be employed to bring the fecal coliform within satisfactory limits (R. 56-58).

In view of the program already in progress and the short remaining period in which petitioner represents it will be in compliance, we are disposed to allow the variance, subject to the conditions the Agency suggests.

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

IT IS THE ORDER of the Pollution Control Board that variance is granted to Central Soya Company, Incorporated, until July 31, 1973 from the provisions of Rule 405, Water Pollution, subject to the following terms and conditions:

1. All engineering plans and specifications with respect to the proposed compliance program shall be approved by the Environmental Protection Agency.
2. Bimonthly reports shall be submitted to the Agency indicating the progress that the Company has made in meeting its compliance schedule of July 31, 1973, the first of which reports shall be received no later than February 15, 1973.
3. Bond in form satisfactory to the Agency in the amount of \$50,000 shall be posted to guarantee modification of petitioner's facilities pursuant to its compliance program as stated in the record, to be achieved by July 31, 1973. Provision shall also be made in said bond for the forfeiture of \$10,000, payable to the State of Illinois, in the event petitioner is not in compliance with Rule 405 (Water Pollution) by said date. Bond shall be filed with Fiscal Services Division, Environmental Protection Agency, 2200 Churchill Drive, Springfield, Illinois 62706, within 30 days from the date hereof.

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.

