

IOWA ENVIRONMENTAL QUALITY COMMISSION

Item No.

AGENDA ITEM BRIEF

Date: 4/6/81

TOPIC: Report on request for variance from wastewater design standards

DISCUSSION (continued):

NodawayDiscussion

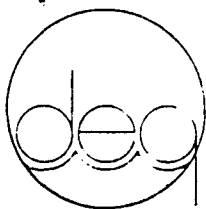
The project engineer for the City of Nodaway requested two variances from this Department's design standards for sewer systems to permit construction of a portion of the sewer system at a less than minimum slope and to permit construction of some 6" diameter sewer mains in lieu of the minimum 8" diameter sewer required for public sewers. Since the proposed flat sewer will serve as an outfall line to one of the lagoon sites and will eliminate the need for a lift station with resultant savings in construction costs and operation and maintenance costs, the Executive Director granted a variance for this request on March 20, 1981. The request for a reduction in sewer size was not granted since the 8" diameter has been used as the minimum size for public sewers in Iowa for many years and is also generally accepted throughout the nation as the minimum acceptable sewer size to minimize operational problems in the sanitary sewer system.

Bauer Heights M.H.P.Discussion

The project engineer for the Condo Park Development Corp. submitted an appeal of the construction permit issued for the proposed wastewater treatment facilities to serve the Bauer Heights Mobile Home Park to request that the effluent polishing pond as included in the approved plans and specifications be deleted from the project. The requirement for effluent polishing ponds following small activated sludge plants without duplicate units is a part of this Department's program guidance for Reliability for Activated Sludge Processes and is required to provide some degree of treatment when single treatment units must be taken out of service or in the event of an upset of the treatment process. In view of our Department policy for such treatment processes, the appeal for deletion of the effluent polishing pond was denied by the Executive Director on March 24, 1981.

MINUTES (continued)

2



iowa department of environmental quality

reply to: Fred M. Evans
phone: 515/281-8970

Copy

March 24, 1981

Condo Park Development Corp.
1119 Leona Street
Waterloo, IA 50702

RECORD COPY

File Name Bauer Heights M.H.F.
Senders Initials J.E.C.

ATTENTION: John E. Looney

RE: Construction Permit No. 81-76-S
Wastewater Treatment Facility
Bauer Heights Mobile Home Park
Polk County, Iowa

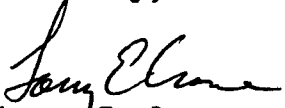
Gentlemen:

We have reviewed the appeal filed by your project engineers on your behalf for deletion of the effluent polishing pond as included in the above-referenced construction permit issued by this Department on December 22, 1980.

Our program guidance for Reliability for Activated Sludge Processes requires that effluent polishing ponds be provided following any activated sludge treatment facility that is designed to receive less than an average of 100,000 gallons per day and 170 pounds BOD₅ per day and which does not have duplicate units. A copy of this program guidance is enclosed for your information in this regard. We recognize that the Ecolo-Chief wastewater treatment facility as proposed for this project does include four aeration tanks; however, only a single primary unit and a single final clarifier are provided. Therefore, in the event one of the clarifiers must be taken out of service or if sludge bulking should occur in the final clarifier, we feel that the effluent polishing pond would likely be necessary to maintain required effluent limitations during such emergency periods.

Based upon the above considerations, your appeal for deletion of the effluent polishing pond is hereby denied.

Sincerely,


Larry E. Crane
Executive Director

LEC:FME:bs/WQ2/L45

cc: Anderson Consultants, Inc. - Des Moines, Iowa
Polk County Health Department - Des Moines, Iowa
Iowa State Department of Health - Des Moines, Iowa
DEQ Regional Office No. 5 - Des Moines, Iowa

Main Office: Henry A. Wallace Building, Des Moines, Iowa 50319

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