



TERRY E. BRANSTAD, GOVERNOR

12.3.1.1
DEPARTMENT OF NATURAL RESOURCES
LARRY J. WILSON, DIRECTOR

February 7, 1991

Erdman Engineering, P.C.
708 Commerce Drive
P.O. Box 246
Decorah, IA 52101

ATTENTION: Lindsay Erdman, P.E.

SUBJECT: Variance Request
Wastewater Collection and Treatment
Fort Atkinson, Iowa

Gentlemen:

The Iowa Department of Natural Resources, in accordance with subrule 567--64.2(9) of the Iowa Administrative Code, has denied the request for a variance from Iowa Wastewater Facilities Design Standards sections 12.3.1.1 and 14.4.5.3. These sections of the standards require that the hydraulic design of sanitary sewers and wastewater treatment facilities to serve new collection systems be based on a minimum flow value of 100 gpcd for the design average flow.

The engineering justification submitted does not substantially demonstrate that the requested variance from our minimum per capita flow allowance would provide for equivalent or improved effectiveness. Our own analysis of recently constructed municipal collection systems does not justify altering our position on requiring a minimum flow value of 100 gpcd. Flows from such systems are commonly as great as 100 gpcd and often are actually as much as two times that figure as a result of excessive infiltration/inflow gaining access into the collection sewers and service lines.

If you have any questions, please feel free to contact Fred M. Evans at 515/281-8995.

Sincerely,

DARRELL MCALLISTER
BUREAU CHIEF
SURFACE AND GROUNDWATER PROTECTION BUREAU

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cc: Field Office 1