

mo ✓ 9-13-06 **VARIANCE REQUEST**

Iowa Department of Natural Resources

13.4(2)

1. Date	: March 9, 1990	13. Decision: Approved
Review Engineer	: Bob Graf	Date: 3-13-90
3. Date Received	: March 7, 1990	
4. Facility Name	: ANKENY	14. Appeal:
5. County Number	: 77	Date:
6. Program Area	: CP	
7. Facility Type	: CO2	
8. Subject Area	: 344	
9. Rule Reference	: 64.2(9)	
10. Design Std. Ref.	: 13.4(2).	
11. Consulting Engr.	: Veenstra and Kimm	
12. Variance Rule	:	

15. Description of Variance Request

A Trash basket is being used in lieu of a mechanically cleaned bar screen. These screens are required on large Pumping Stations

16. Consulting Engineer's Justification

The engineer states that the trash basket can adequately protect the pumps and as well as a mech. cleaned screen. The trash basket at the Saylor Creek P.S. is working "Very Satisfactory".

16. Consulting Engineer's Justification (cont.)

17. Department's Justification

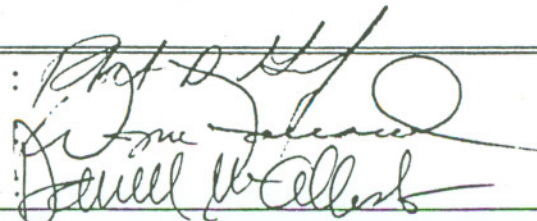
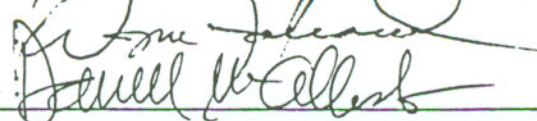
The bar rack standard is for 2 1/2 inch max. openings. The design calls for an opening of 1 1/2 inches. All pumps are required to pass 3" spheres. These size objects should be caught in the basket. Stds do not define "larger" stations (bar racks req'd) or "very large" (mech. cleaned). Approval of variance is recommended based on equivalent effectiveness.

18. Precedents Used Same situation as in the ~~Anten~~ 07 Project @ the Saylor Creek L.S. See attached

19. Staff Reviewer

20. Supervisor

21. Authorized by

: 
: 
: 

Date: 3/9/90

Date: 3/9/90

Date: 3/13/90



TERRY E. BRANSTAD, GOVERNOR

File Name

Senders Initials

~~AN RECORD COPY~~ Sewer
ROCK ANKENY S.E. Sewer
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DEPARTMENT OF NATURAL RESOURCES

LARRY J. WILSON, DIRECTOR

Mr. Richard Ash
Community Services Director
City Hall
Ankeny, IA 50021

SUBJECT: Variance Request
Rock Creek Pumping Station
Ankeny, Iowa
C190790 09

Dear Mr. Ash:

The Iowa Department of Natural Resources has reviewed the variance request submitted on your behalf by Veenstra & Kimm, Inc. to Chapter 13.4.2 of the Iowa Wastewater Facilities Design Standards. The specific standard concerns the requirement for bar racks prior to large pumping stations. The request to use a trash basket with two inch clear openings is approved and the variance hereby granted.

If you have any questions, please feel free to contact Bob Graf at 515/281-8779.

Sincerely,

DARRELL McALLISTER, CHIEF
SURFACE AND GROUNDWATER PROTECTION BUREAU

(dm-058.gsa)

cc: Veenstra & Kimm, Inc., West Des Moines, IA
Field Office #5