

VARIANCE REQUEST

Iowa Department of Natural Resources

1. Date: January 18, 2008
2. Review Engineer: Billy Chen
3. Date Received: December 12, 2007
4. County Number: 31
5. Facility Name: Asbury
6. Program Area: CP (Wastewater)
7. Facility Type: CO2, pumping
8. Subject Area: 344, pump clogging protection
9. Rule Reference: 507-64.2(9)a
10. Design Stds Ref: 13.4.2
11. Consulting Engr: MSA
12. Variance Rule: 507-64.2(9)c

13. Decision:

Date:

approved
1/24/08

14. Appeal:

Date:

15. Description of Variance Request:

The city of Asbury requests a variance from the design standard which requires "All pumping stations handling raw wastewater shall have provisions for screening to protect the pumps from clogging or damage". The city is proposing to modify the existing Radford Road pump station without trash baskets.

16. Consulting Engineer's Justifications

The existing sewer that enters the wet well from NE does not have a trash basket. The sewer that enters wet well from West currently has a trash basket but is causing problems. The arrangement of the pumps and pipings are also creating difficulties to install trash baskets.

17. Department's Justifications

I will recommend this department to approve this design variance.

The existing pump station has been functioning very well without trash baskets. New proposed pumps will be able to pass three inch diameter solids so clogging should be minimized. The operators requested this variance.

18. Precedents Used

Eldridge – Approved on 12/5/07

Nashua – Approved on 10/1/07.

19. Staff Reviewer: Billy Chen

Date: January 18, 2008

20. Supervisor:

Date:

21. Authorized by: *[Signature]*

Date:

4/15/08