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9-19-06

VARIANCE REQUEST

Iowa Department of Natural Resources

1. Date: July 15, 1999
2. Review Engineer: Bill Graham
3. Date Received: May 21, 1999
4. Facility Name: Gravity WWTF
5. County Number: 87, Taylor
6. Program Area: CP (wastewater)
7. Facility Type : C02
8. Subject Area : 327 (valve pit)
9. Rule Reference: 567-64.2(9)a
10. Design Stds Ref: 13.10.4
11. Consulting Engr: H.R. Green, Creston, IA
12. Variance Rule: 567-64.2(9)c

13. Decision: *Approved*
Date: *7/19/99*
14. Appeal:
Date:

15. Description of Variance Request:

The city of Gravity and the Southern Iowa Rural Water Association are requesting a variance from the design standard which requires that valves for submersible pumps be located in a separate valve chamber. Gravity is proposing using buried valves with ten feet of DIP on either side of the valve.

16. Consulting Engineer's Justifications

Small community pilot project.

17. Department's Justifications

Departmental approval for this variance is recommended since Gravity is one of the small community pilot projects.

18. Precedents Used

Cities of Floris, Arispe, Tingley, RWA projects

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| 19. | Staff Reviewer: Bill Graham | Date: July 15, 1999 |
| 20. | Supervisor: <i>[Signature]</i> | Date: <i>7/16/99</i> |
| 21. | Authorized by: <i>Jack Pressman</i> | Date: <i>7/19/99</i> |