

VARIANCE REQUEST
Iowa Department of Natural Resources

1. Date: November 18, 2002
2. Review Engineer: Billy Chen
3. Date Received: November 13, 2002
4. County Number: 91, Warren Co.
5. Facility Name: Wilshire Mobile Home Park
6. Program Area: CP (Wastewater)
7. Facility Type: CO5
8. Subject Area: 306, Rip rap
9. Rule Reference: 507-64.2(9)a
10. Design Stds Ref: 18C.7.2.7
11. Consulting Engr: Abild - Atlantic
12. Variance Rule: 507-64.2(9)c

13. Decision: Approved
Date: 11/27/02
14. Appeal:
Date:

15. Description of Variance Request:

Wilshire mobile home park requests a variance from the design standard (18C.7.2.7), which requires erosion protection for all ponds to be provided completely around the inner embankments. The mobile home park is proposing a third cell without riprap on the inner embankments to upgrade an existing tow-cell lagoon. The existing two cell lagoon was also constructed without riprap for erosion protection.

16. Consulting Engineer's Justifications

- A. The proposed lagoon was approved and constructed without riprap for erosion protection.
- B. The existing lagoon has been in service for over 20 years without erosion problem.
- C. The wind that may cause waves that erode the inner embankments is not expected to be a problem.

17. Department's Justifications

- A. There is an existing small two-cell lagoon that apparently is not having erosion problem. We normally approve this request when the existing lagoon is not having erosion problem.

I recommend that the Department **approve** this variance request

18. Precedents Used

Long Grove approved on 3/10/88
Diehl Mobile Home Park approved on 2/11/2002

19. Staff Reviewer: Billy Chen  Date: November 18, 2002
20. Supervisor:  Date: 11/20/02
21. Authorized by:  Date: 11/27/02

ABILD ENGINEERING CO.

CONSULTING
ENGINEERS

ROBERT J. ABILD, P.E., L.S.
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11/13/02

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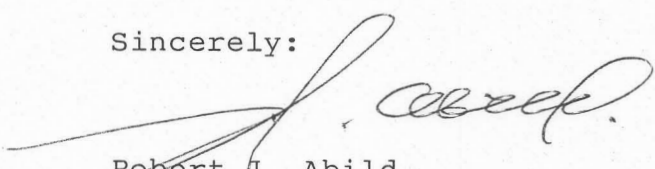
Billy Chen, PE
Wastewater Permit Section

Mr. Chen:

The owner and I request that a variance be approved by your office to delete comment number seven (7) in your letter to me dated Oct. 1, 2002.

The comment is in regard to the requirement for rip rap protection. The owner and I think that it is not necessary or advantageous to the operation of this lagoon based upon the experience with the existing cells in the past. This also confirms our meeting 11/6/02.

Sincerely:



Robert J. Abild

CC: Dave Van Patton