



## Jefferson County Land and Water Conservation Department

Courthouse, 311 S Center Avenue, Room 113

Jefferson, WI 53549-1701

920-674-7110

### MEMORANDUM

TO: Jefferson County Planning and Zoning Committee  
CC: Resource Engineering Associates, Inc.  
Hoard's Dairyman Farm  
FROM: Land & Water Conservation Department  
DATE: September 20, 2018  
SUBJECT: Operation and Maintenance Plan Requirement for Outflow Water Testing.

As agreed to, the Land and Water Conservation Department (LWCD) has reviewed the August 11, 2017 addendum/operations letter for the Hoard's Dairyman Farm (water testing section).

The following items were agreed to:

- Quarterly testing of the water
- If the water is  $\geq 10$  mg/l TKN, then the sampling will revert to monthly sampling and additional steps will be taken to properly close the storage basin and/or determine the source of contamination (if not the contaminated waste under the existing storage) to repair or properly close any system found to be leaking waste. Please note that closure of any waste storage structure will require an amendment to the conditional use permit.
- If the water samples continue to trend downward, then the results will be reviewed annually and the Land and Water Conservation Department will determine if another year of sampling is necessary.
- The Land and Water Conservation Department reserves the right to test the drain outflow with advanced notice.

As shown in the graph below, outflow water has continued to trend downward over the testing time period.

Sample Date	TKN (mg\L)	Ammonia (mg\L)
8-23-17	6.2	7.1
8-30-17	5.7	6.6
9-6-17	5.1	5.7
9-13-17	5.3	5.8
9-20-17	5.2	5.9
10-4-17	4.8	5.6
11-1-17	5.4	3.0
2-28-18	3.1	3.5
6-6-18	4.0	4.0
9-10-18	3.9	4.0

At no time did TKN levels exceed 10 mg/L during the testing period. After reviewing the water sample data and on-site inspections, the LWCD recommends suspension of the required quarterly water testing indefinitely and to consider the basin abandoned. The Land and Water Conservation Department reserves the right to test the drain outflow with advanced notice to Hoard's Dairyman and at its own expense.

