



March 7, 2023

Pierce County
Approval

Brad Gerrits
Ridge Breeze Dairy
W2686 390th Ave
Maiden Rock, WI

SUBJECT: Headland Stacking Site Approval for Ridge Breeze Dairy

Dear Mr. Gerrits:

The Department of Natural Resources (department) received headland stacking requests on February 28, 2023, for Ridge Breeze Dairy. This request was submitted by Nate Nysse of Tilth Agronomy, on behalf of Ridge Breeze Dairy. Included in the submittal was the request to add five headland stacking sites to the farm's nutrient management plan. The proposed stacking sites are located on fields: 4-02-046, 4-02-068, 4-02-085, 4-03-028, and 4-03-032/4-3-033.

CONDITIONAL HEADLAND STACKING APPROVAL

Based on information provided and department's review in accordance with applicable requirements of Ch. 243, Wis. Adm. Code, the following determinations have been made:

1. The following headland stacking site are **conditionally approved** and added to the Ridge Breeze Dairy Nutrient Management Plan: 04-02-046, 04-02-068, 04-02-085, and 04-03-032/04-03-033 (see attached maps for locations)
2. The following headland stacking site is denied based on not meeting criteria for depth to seasonal subsurface saturation: 04-03-028

Approved stacking sites are subject to the following conditions and the applicable requirements of Ch. NR 243, Wis. Adm. Code.

1. Stacked manure shall have a solid content greater than 32%
2. These approved stacking sites can be used for a maximum of 8-months and require a resting period depending on solid percentage (see Table No. 9 below)
3. A copy of this conditional approval shall be included in the future annual Nutrient Management Plan Update, in addition to other applicable approvals and checklists.

This approval does not limit the Department's regulatory authority to require nutrient management plan revisions (based upon new information) or request additional information to confirm or ensure Ridge Breeze Dairy remains in compliance with NR 243 and WPDES permit conditions. If additional information, project changes, or other circumstances indicate a possible need to modify this approval, the department may ask you to provide further information relating to these stacking activities.

Please keep in mind that approval by the department does not relieve you of obligations to meet all other applicable federal, state, or local permits, zoning, and regulatory requirements.

If you have any questions regarding this approval I can be reached at (715) 210.1415 or Jeffrey.Jackson@Wisconsin.gov.

Sincerely,



Jeff Jackson
Ag. Runoff Specialist
Wisconsin Department of Natural Resources

cc: Nate Nysse – Tilt Agronomy
Rod Webb - Pierce County LCD
Brad Johnson – WDNR Regional Watershed Supervisor

Table 9 – Temporary, Unconfined Stacks of Manure and Derivatives Outside the Animal Production Area

1. Waste Consistencies ^{Note 1}	> 32% Solids	16% to 32% Solids ²
2. Size & Stacking Period - Stacking Period - Maximum Volume/Stack - Frequency of Stacking Site Use - Conservation BMPs above and below site ^{Note 3}	8 months ≤ 40,000 cu ft 1 year out of 2 Yes	8 months ≤ 15,000 cu ft 1 year out of 3 Yes
3. Hydrologic Soil Groups	B or C	B or C
4. Subsurface Separation Distance - Saturation - Bedrock	≥ 3 ft. ≥ 3 ft.	≥ 3 ft. ≥ 5 ft.
5. Surface Separation Distance - Wells ^{Note 4} - Lakes - Sinkholes, or other Karst Features - Quarries - Streams - Wetlands and Surface Inlets - Other Concentrated Flow - Land Slope - Floodplain	≥ 250 ft. ≥ 1,000 ft. ≥ 1,000 ft. ≥ 1,000 ft. ≥ 300 ft. ≥ 300 ft. ≥ 100 ft. ≤ 6% ≥ 100 ft.	≥ 250 ft. ≥ 1,000 ft. ≥ 1,000 ft. ≥ 1,000 ft. ≥ 500 ft. ≥ 500 ft. ≥ 300 ft. ≤ 3% ≥ 300 ft.

^{Note 1} Refer to AWMFH, Figure 9-1 for consistency values and Chapter 4 for % solids, for specific livestock types.

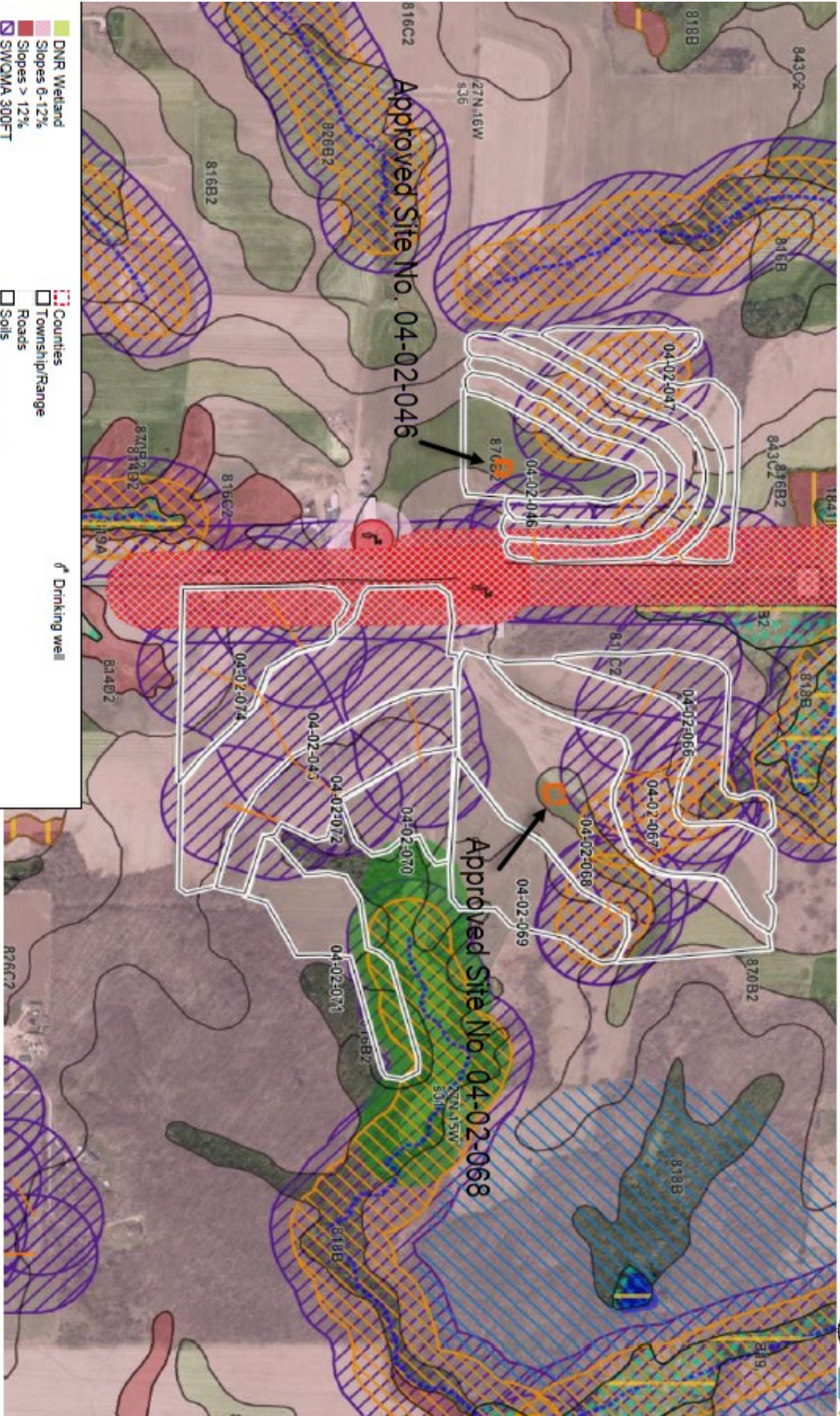
^{Note 2} 16% to 32% solids represents waste at near saturation conditions where additions of free water from runoff, rain, or snowmelt can result in liquid flow conditions.

^{Note 3} Stacking sites shall employ conservation BMPs to divert overland flow, and provide buffering to downstream channels and lakes.

^{Note 4} Community water system wells may require larger separation distances (see NR 812).

NRCS, WI

04-02-068
 Farm: Ridge Breeze Dairy, V20 Generated:2/28/2023, Crop year: 2023, Township Range Section:27N 15W S31

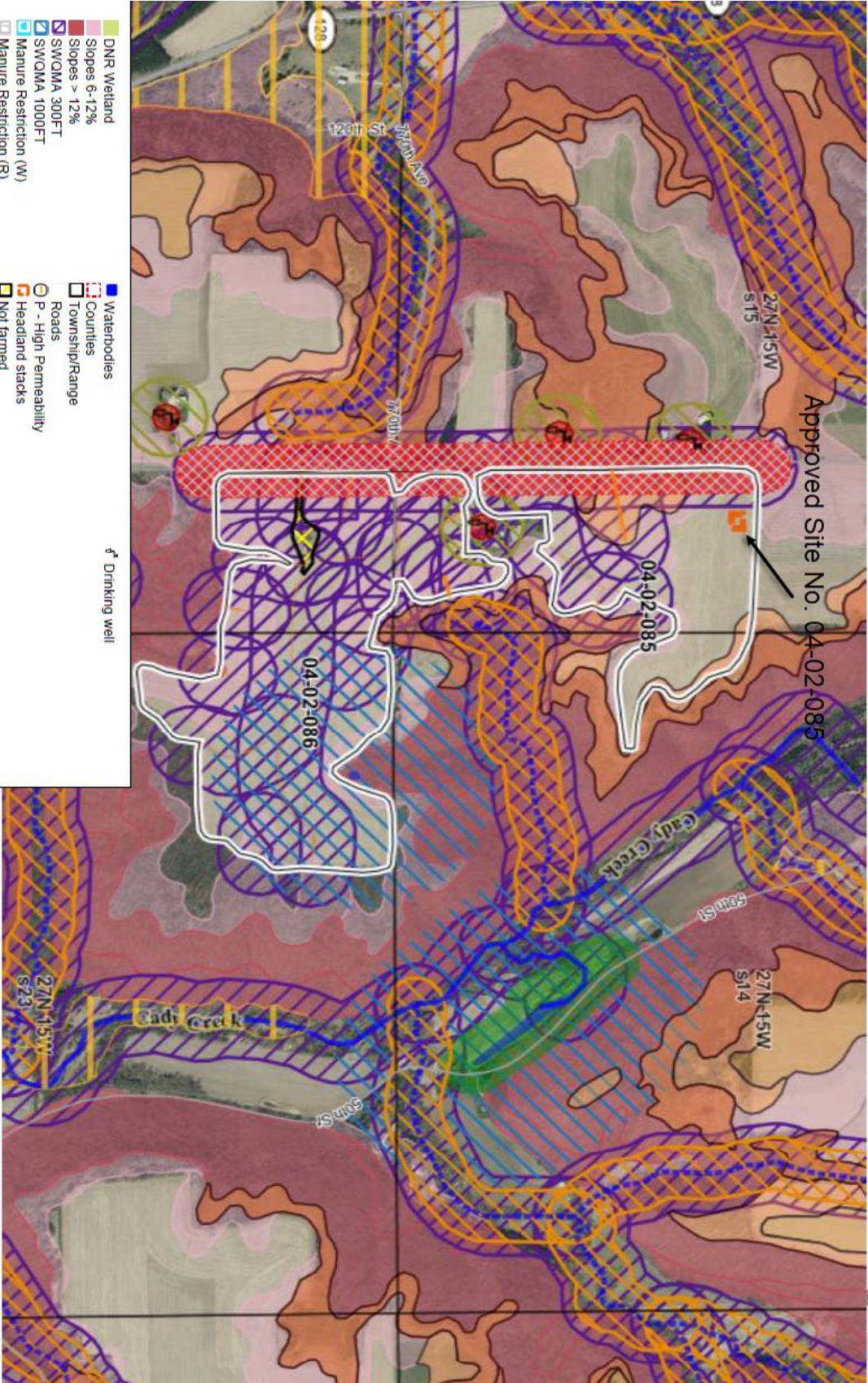


- DNR Wetland
- Slopes 6-12%
- Slopes > 12%
- SWCMA 300FT
- SWCMA 1000FT
- Manure Restriction (W)
- Manure Restriction (R)
- Wetland depth <5ft
- Wetland 200ft Buffer
- CAFO 200ft Downslope Buffer
- Channelized Flow 200ft Buffer
- Intermittent Streams
- Waterbodies

- Counties
- Township/Range
- Roads
- Soils
- P - High Permeability
- W - Wet <12' to Waterable
- Headland stacks
- Nutrient prohibited buffers
- Nutrient prohibited winter only
- Fields
- Grassed waterway
- Ditch

04-02-085
 Farm: Ridge Breeze Dairy, V20 Generated: 2/28/2023, Crop year: 2023, Township Range Section: 27N 15W S14

Approved Site No. 04-02-085



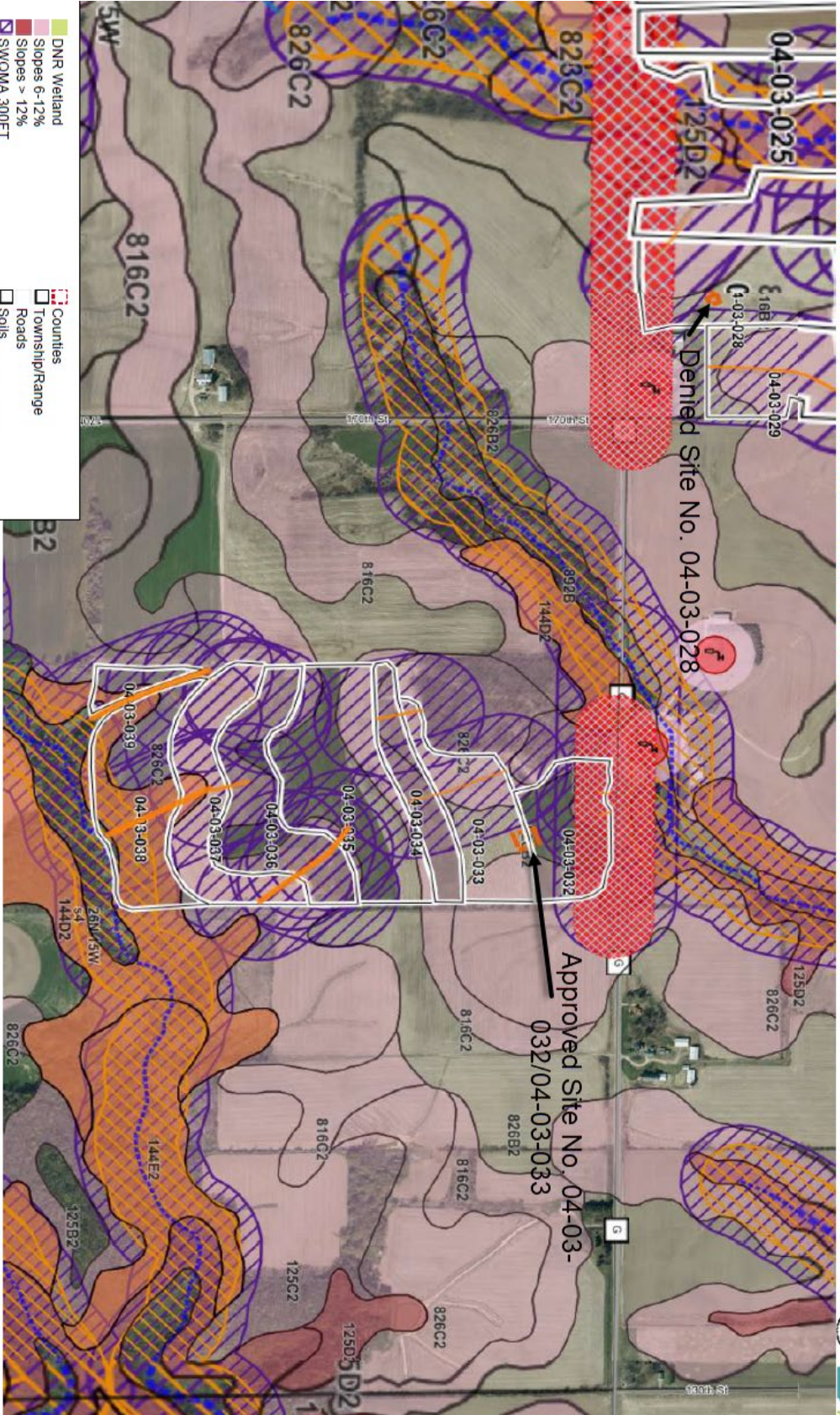
- DNR Wetland
- Slopes 6-12%
- Slopes > 12%
- SWQMA 300FT
- SWQMA 1000FT
- Manure Restriction (M)
- Manure Restriction (R)
- Bedrock depth <5ft
- Wetland 200ft Buffer
- Channelized Flow 200ft Buffer
- Direct Conduit to GW 300ft
- Perennial Streams
- Intermittent Streams

- Waterbodies
- Counties
- Township/Range
- Roads
- P - High Permeability
- Headland stacks
- Not farmed
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Nutrient prohibited winter only
- Fields
- Grassed waterway
- Ditch

Drinking well



04-03-032
 Farm: Ridge Breeze Dairy, V20 Generated:2/28/2023, Crop year: 2023, Township Range Section:26N 15W S4



- Counties
- Township/Range
- Roads
- Soils
- P - High Permeability
- Headland stacks
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Nutrient prohibited winter only
- Fields
- Grassed waterway
- Ditch
- Drinking well
- DNR Wetland
- Slopes 6-12%
- Slopes > 12%
- SWQMA 300FT
- SWQMA 1000FT
- Manure Restriction (W)
- Manure Restriction (R)
- Bedrock depth <5ft
- Wetland 200ft Buffer
- CAFO 200ft Downslope Buffer
- Channelized Flow 200ft Buffer
- Intermittent Streams
- Waterbodies