Permit Fact Sheet

General Information

<table>
<thead>
<tr>
<th>Permit Number:</th>
<th>WI-0061808-04-0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permittee Name:</td>
<td>Wolfgang Dairy LLC</td>
</tr>
<tr>
<td>Address:</td>
<td>11812 Palm Grove Rd</td>
</tr>
<tr>
<td>City/State/Zip:</td>
<td>Reedsville, WI 54230-9410</td>
</tr>
<tr>
<td>Discharge Location:</td>
<td>Main Farm: 11812 Palm Grove Road, Town of Franklin, Sec 35 T20N R22E Thunder Site: 7929 Thunder Road, Town of Kossuth, Sec 20 T20N R23E Taus Site: 9702 North County J, Town of Franklin, Sec 9 T20N R22E Mangin Site: 15123 Reifs Mills Rd, Town of Franklin, Sec 29 T20N R22E Shop Site: 3109 Hempton Lake Road, Town of Cato, Sec 11 T19N R22E</td>
</tr>
<tr>
<td>Receiving Water:</td>
<td>The Branch River within the Branch River Watershed, and groundwaters of the state</td>
</tr>
</tbody>
</table>

Animal Units

<table>
<thead>
<tr>
<th>Animal Type</th>
<th>Current AU</th>
<th>Proposed AU</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mixed</td>
<td>Individual</td>
</tr>
<tr>
<td>Dairy Calves (under 400 lbs.)</td>
<td>26</td>
<td>0</td>
</tr>
<tr>
<td>Milking and Dry Cows</td>
<td>1050</td>
<td>1073</td>
</tr>
<tr>
<td>Heifers (400 lbs. to 800 lbs.)</td>
<td>135</td>
<td>225</td>
</tr>
<tr>
<td>Heifers (800 lbs. to 1200 lbs.)</td>
<td>143</td>
<td>130</td>
</tr>
<tr>
<td>Beef Calves (under 400 lbs.)</td>
<td>8</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>1362</td>
<td>1073</td>
</tr>
</tbody>
</table>

Facility Description

Wolfgang Dairy LLC is an existing Concentrated Animal Feeding Operation (CAFO). There are five locations currently in use by the dairy (listed above). The following sites and their associated sample points have been removed from the permit as they are no longer in use by the dairy: Arnhoelter Site, Magley Site, Meyer Site, and Bonde Site. The facility currently has a herd size of 1,362 animal units. Currently, there are no planned expansions in the next permit term. The herd will annually generate approximately 10,000,000 gallons of manure and process wastewater and 1,075 tons of solid manure. Wolfgang Dairy LLC has approximately 190 days of liquid waste storage onsite. Wolfgang Dairy LLC currently has 1,647 acres (579 owned and 1,068 controlled through contracts, rental agreements or leases, or under manure agreements) of which 1,606 are spreadable acres.
Substantial Compliance Determination

After a desk top review of all discharge monitoring reports, land application reports, compliance schedule items, and a site visit on 04/19/2022, this facility has been found to be in substantial compliance with their current permit.

Sample Point Designation for Animal Waste

<table>
<thead>
<tr>
<th>Sample Point Number</th>
<th>Sample Point Location, Waste Type/sample Contents and Treatment Description (as applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>Sample point 001 is for liquid waste storage facility 1 (WSF 1) located at the Main Farm. WSF 1 is an in-place earthen storage located on the south side of Palm Grove Road and east of WSF 2. The facility has a capacity of 3,478,602 gallons and was constructed in 1996. This storage accepts manure and process wastewater from the animal barns, outdoor lot, and parlor.</td>
</tr>
<tr>
<td>002</td>
<td>Sample point 002 is for any manure solids removed from bottom of liquid waste storage facilities. This includes manure-laden sand solids, manure fiber solids, etc. Representative samples shall be taken from each waste storage facility.</td>
</tr>
<tr>
<td>003</td>
<td>Sample point 003 is for solid manure sources that are directly land applied and not stored in a waste storage facility. This includes solid sources such as calf hutch manure, maternity pen bedpack, heifer bedpack, steer manure, etc. Representative samples shall be taken for each manure source type.</td>
</tr>
<tr>
<td>005</td>
<td>Sample point 005 is for liquid waste storage facility 4 (WSF 4) located at the Thunder Site. WSF 4 is an in-place earthen storage located north of the animal barn. The facility has a capacity of 878,192 gallons and was constructed in 1996. This storage accepts manure and process wastewater from the animal barn and outdoor lot.</td>
</tr>
<tr>
<td>008</td>
<td>Sample point 008 is for solid waste storage facility 5 (WSF 5) located at the Taus Site. WSF 5 is a concrete solids stacking area located to the west of the animal barn. The facility and was constructed in 1996. This storage accepts manure and process wastewater from the animal barn.</td>
</tr>
<tr>
<td>011</td>
<td>Sample point 011 is for liquid waste storage facility 6 (WSF 6) located at the Mangin Site. WSF 6 is a in-place earthen storage located on the southeast corner of the site. The facility has a capacity of 832,183 gallons and was constructed in 1996. This storage accepts manure and process wastewater from the animal barn onsite.</td>
</tr>
<tr>
<td>013</td>
<td>Sample point 013 is for liquid waste storage facility 7 (WSF 7) located at the Shop Site. WSF 7 is a in-place earthen storage. The facility has a capacity of 328,035 gallons and was constructed in 1990. This storage accepts manure and process wastewater from the WSFs at located at the other sites. The Shop Site has no animals onsite.</td>
</tr>
<tr>
<td>015</td>
<td>Sample point 015 is for solid manure stacked in approved headland stacking locations. Representative samples shall be taken of this manure prior to land application. Note: Headland stacking sites are subject to production site discharge limitations; weekly visual monitoring is required during use of stacking sites to ensure discharges meet permit requirements.</td>
</tr>
<tr>
<td>016</td>
<td>Sample point 016 is for visual monitoring and inspection of the feed storage area and associated runoff control system located at the Main Farm. Proper operation and maintenance is required to ensure discharges of process wastewater to waters of the state do not occur. Weekly inspections are required and shall be recorded according to monitoring program.</td>
</tr>
<tr>
<td>018</td>
<td>Sample point 018 is for visual monitoring and inspection of the outdoor lot, calf hutch, and associated runoff control system located at the Main Farm. The outdoor lot runoff is pumped into WSF 1. Proper operation and maintenance is required to ensure discharges to waters of the state do not occur. Weekly</td>
</tr>
</tbody>
</table>
Sample Point Designation for Animal Waste

<table>
<thead>
<tr>
<th>Sample Point Number</th>
<th>Sample Point Location, Waste Type/sample Contents and Treatment Description (as applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>020</td>
<td>Sample point 020 is for visual monitoring and inspection of the outdoor lot area and associated runoff control system located at the Thunder site. Lot runoff is scraped or pumped into waste storage facility 4. Proper operation and maintenance is required to ensure discharges to waters of the state do not occur. Weekly inspections are required and shall be recorded according to monitoring program.</td>
</tr>
<tr>
<td>029</td>
<td>Sample point 029 is for liquid waste storage facility 2 (WSF 2) located at the Main Farm. WSF 2 is a poly-lined storage located adjacent to the feed storage area. The facility has a capacity of 273,521 gallons and was constructed in 2021. This storage accepts process wastewater from the adjacent feed storage area.</td>
</tr>
<tr>
<td>030</td>
<td>Sample point 030 is for solid waste storage facility 3 (WSF 3) located at the Main Farm. WSF 3 is a concrete solids stacking area located adjacent to multiple animal barns on the north side of Palm Grove Road. The 49.3 ft x 29.4 ft stacking pad with 4-foot-tall walls was constructed in 2021. This storage accepts manure and process wastewater from the adjacent animal barns and calf hutch area.</td>
</tr>
</tbody>
</table>

1 Livestock Operations - Proposed Operation and Management

Production Area Discharge Limitations

Beginning on the effective date of the permit, the permittee may not discharge pollutants from the operation’s production area (e.g., manure storage areas, outdoor animal lots, composting and leachate containment systems, milking center wastewater treatment/containment systems, raw material storage areas) to navigable waters, except in the event a 25-year, 24-hour rainfall event (or greater) causes the discharge from a structure which is properly designed and maintained to contain a 25-year, 24-hour rainfall event for this location as determined under s. NR 243.04. If an allowable discharge occurs from the production area, state water quality standards may not be exceeded.

Runoff Control

The permit requires control of contaminated runoff from all elements of the production area to prevent a discharge of pollutants to navigable waters in accordance with the Production Area Discharge Limitations and to comply with surface water quality standards and groundwater standards. Beginning on the effective date of this permit, (if needed) interim measures shall be implemented to prevent discharges of pollutants to navigable waters. In addition, permanent runoff control system(s) shall be designed, operated and maintained in accordance with the requirements found in USDA Natural Resources Conservation Service standards and ch. NR 243, Wis. Adm. Code. If any upgrading or modifications to runoff controls are necessary, formal engineering plans and specifications must be submitted to the Department for approval.

Manure and Process Wastewater Storage

The permit requires the operation to have adequate storage for manure and process wastewater and that storage or containment facilities are designed, operated and maintained to prevent overflows and discharges to waters of the state. In order to prevent overflows, the permittee must maintain levels of materials in liquid storage or containment facilities at or below certain levels including a one-foot margin of safety that can never be exceeded. If any upgrading or modifications to the storage facilities are necessary, formal engineering plans and specifications must be submitted to the Department for approval.

The permittee currently has approximately 190 days of storage for liquid manure. The permittee must maintain 180 days of storage, unless temporary reductions in required storage are approved by the Department.
Solid Manure Stacking

The operation has proposed to stack solid manure. All stacking of solid manure shall be done in accordance with ch. NR 243, Wis. Adm. Code, which includes restrictions from NRCS Standard 313. Stacking of manure is considered to be part of the production area and is subject to the Production Area Discharge Limitations.

Ancillary Service and Storage Areas

The permittee shall take preventative maintenance actions and conduct visual inspections to minimize pollutant discharges from areas of the operation that are not part of the production area or land application areas. These areas are called ancillary service and storage areas and include access roads, shipping and receiving areas, maintenance areas, refuse piles and CAFO outdoor vegetated areas.

Nutrient Management

With 1,362 animal units, it is estimated that approximately 10,000,000 gallons of manure and process wastewater will be produced per year. The permittee owns approximately 579 acres of cropland and rents about 1,068 acres. Given the rotation commonly used by the permittee, 1,606 acres are available (or open) to receive manure and process wastewater on an annual basis. The permit requires all landspreading of manure and process wastewater be completed in accordance with an approved nutrient management plan. The permit will require sampling and analysis of manure and process wastewater that will be landspread. Landspreading rates must be adjusted based on sample analysis. The permit requires the permittee to maintain a daily log that documents landspreading activities. The permit also requires the submittal of an annual report that summarizes all landspreading activities. Plans must be updated annually to reflect cropping plans and other operational changes. Among the requirements, the plans must include detailed landspreading information including field by field nutrient budgets.

The permittee is required to implement a number or practices to address potential water quality impacts associated with the land application of manure and process wastewater. Among the permit conditions are restrictions on manure ponding, restrictions on runoff of manure and process wastewater from cropped fields, and setbacks from wells and direct conduits to groundwater (e.g., sinkholes, fractured bedrock at the surface). In addition, the permittee must implement a phosphorus based nutrient management plan that addresses phosphorus delivery to surface waters by basing manure and process wastewater applications on soil test phosphorus levels or the Wisconsin Phosphorus index. Additional phosphorus application restrictions apply to fields that are high in soil test phosphorus (>100 ppm).

The permittee must also implement conservation practices when applying manure near navigable waters and their conduits, referred to as the Surface Water Quality Management Area (SWQMA). These practices include a 100-foot setback from navigable waters and their conduits, a 35-foot vegetated buffer adjacent to the navigable water or conduit, or a practice that provides equivalent pollutant reductions equivalent to or better than the 100-foot setback.

In addition, the permittee must comply with restrictions on land application of manure and process wastewater on frozen or snow-covered ground. Included in these restrictions is a prohibition on surface applications of solid manure (>12% solids) on frozen or snow-covered ground during February and March. Non-emergency surface applications of liquid manure (<12%) on frozen or snow-covered ground are prohibited.

Monitoring and Sampling Requirements

The permittee must submit a monitoring and inspection program that outlines how the permittee will conduct self-inspections to determine compliance with permit conditions. These self-inspections include visual inspections of water lines, diversion devices, storage and containment structures and other parts of the production area. The permit requires periodic inspections and calibrations of landspreading equipment. The permittee must take corrective actions to problems identified inspections or otherwise notify the Department. Samples of manure, process wastewater and soils receiving land applied materials from the operation must also be collected and analyzed.
Sampling Points

The permit identifies the different sources of land applied materials (e.g., manure storage facilities, milking centers, egg-washing facilities) as “Sampling Points.” For these Sampling Points, the permittee is required to sample and analyze the different sources for nutrients and other parameters which serve as the basis for determining rates of application for these materials. Other areas are also identified as Sampling Points as a means of identifying them as areas requiring action by the permittee, such as an upgrade or evaluation of a certain system or structure (e.g., runoff control systems), even though sampling is not actually required.

Sample Point Number: 001- WSF 1 - Main Farm; 005- WSF 4 - Thunder Site; 011-WSF 6 - Mangin Site; 013- WSF 7 - Shop Site; 029- WSF 2 - Main Farm

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Limit Type</th>
<th>Limit and Units</th>
<th>Sample Frequency</th>
<th>Sample Type</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitrogen, Total</td>
<td>lb/1000gal</td>
<td>2/Month</td>
<td>Grab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nitrogen, Available</td>
<td>lb/1000gal</td>
<td>2/Month</td>
<td>Calculated</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phosphorus, Total</td>
<td>lb/1000gal</td>
<td>2/Month</td>
<td>Grab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phosphorus, Available</td>
<td>lb/1000gal</td>
<td>2/Month</td>
<td>Calculated</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solids, Total</td>
<td>Percent</td>
<td>2/Month</td>
<td>Grab</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1.1.1 Changes from Previous Permit
Sample Point 029 was added to the permit. No changes were made to Sample Point 001, 005, 011, or 013.

1.1.2 Explanation of Operation and Management Requirements
Liquid manure and process wastewater is required to be sampled twice per month that land application occurs. Samples are to be analyzed for the parameters listed in the table above. Land application shall occur in accordance with the operation’s approved nutrient management plan. Liquid manure storage structures shall be inspected according to the operation’s monitoring and inspection program. Inspection findings shall be submitted to the department annually on January 31.

Sample Point Number: 002- Settled Solid Manure; 003- Miscellaneous Solid Manure; 008- WSF 5 - Taus Site; 015- Headland Stacking Sites, and 030- WSF 3 - Main Farm

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Limit Type</th>
<th>Limit and Units</th>
<th>Sample Frequency</th>
<th>Sample Type</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitrogen, Total</td>
<td>lbs/ton</td>
<td>Quarterly</td>
<td>Grab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nitrogen, Available</td>
<td>lbs/ton</td>
<td>Quarterly</td>
<td>Calculated</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Monitoring Requirements and Limitations

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Limit Type</th>
<th>Limit and Units</th>
<th>Sample Frequency</th>
<th>Sample Type</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphorus, Total</td>
<td>lbs/ton</td>
<td>Quarterly</td>
<td>Grab</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phosphorus, Available</td>
<td>lbs/ton</td>
<td>Quarterly</td>
<td>Calculated</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solids, Total</td>
<td>Percent</td>
<td>Quarterly</td>
<td>Grab</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1.1.3 Changes from Previous Permit

Sample Point 030 was added to the permit. No changes were made to Sample Point 002, 003, 008, or 015.

1.1.4 Explanation of Operation and Management Requirements

Solid manure is required to be sampled once per quarter that land application occurs. Samples are to be analyzed for the parameters listed in the table above. Land application shall occur in accordance with the operation’s approved nutrient management plan. Solid manure storage structures shall be inspected according to the operation’s monitoring and inspection program. Inspection findings shall be submitted to the department annually on January 31.

Sample Point Number: 016- Feed Storage Area; 018- Outdoor Lot & Calf Hutch Area, and 020- Outdoor Lot- Thunder

1.1.5 Changes from Previous Permit

No changes were made to Sample Point 016, 018, or 020.

1.1.6 Explanation of Operation and Management Requirements

Sample Points 016, 018, and 020 are required to be inspected in accordance with the operation’s monitoring and inspection program. Results shall be submitted to the department annually on January 31.

### 2 Schedules

#### 2.1 Emergency Response Plan

<table>
<thead>
<tr>
<th>Required Action</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Develop Emergency Response Plan: Develop a written Emergency Response Plan within 30 days of permit coverage, available to the Department upon request.</td>
<td>11/01/2022</td>
</tr>
</tbody>
</table>

#### 2.2 Monitoring & Inspection Program

Use of the department’s monitoring and inspection program template is encouraged, but optional.

<table>
<thead>
<tr>
<th>Required Action</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proposed Monitoring and Inspection Program: Consistent with the Monitoring and Sampling Requirements subsection, the permittee shall submit a proposed monitoring and inspection program within 60 days of the effective date of this permit.</td>
<td>12/01/2022</td>
</tr>
</tbody>
</table>
2.3 Annual Reports
Submit Annual Reports by January 31st of each year in accordance with the Annual Reports subsection in Standard Requirements.

<table>
<thead>
<tr>
<th>Required Action</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submit Annual Report #1: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.</td>
<td>01/31/2023</td>
</tr>
<tr>
<td>Submit Annual Report #2: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.</td>
<td>01/31/2024</td>
</tr>
<tr>
<td>Submit Annual Report #3: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.</td>
<td>01/31/2025</td>
</tr>
<tr>
<td>Submit Annual Report #4: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.</td>
<td>01/31/2026</td>
</tr>
<tr>
<td>Submit Annual Report #5: To include monitoring and inspection results from the previous 12 months, consistent with the requirements of department form 3400-025E.</td>
<td>01/31/2027</td>
</tr>
<tr>
<td>Ongoing Annual Reports: Continue to submit Annual Reports until permit reissuance has been completed.</td>
<td></td>
</tr>
</tbody>
</table>

2.4 Nutrient Management Plan
Submit annual nutrient management plan (NMP) updates by March 31 of each year. Note, in addition to annual NMP updates, submit NMP amendments and substantial revisions to the department for written approval prior to implementation of any changes to the NMP.

<table>
<thead>
<tr>
<th>Required Action</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Management Plan Submittal: Submit any necessary updates to the Nutrient Management Plan to meet the conditions outlined in this permit (see conditions in the Livestock Operational and Sampling Requirements section).</td>
<td></td>
</tr>
<tr>
<td>Management Plan Annual Update #1: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.</td>
<td>03/31/2023</td>
</tr>
<tr>
<td>Management Plan Annual Update #2: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.</td>
<td>03/31/2024</td>
</tr>
<tr>
<td>Management Plan Annual Update #3: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.</td>
<td>03/31/2025</td>
</tr>
<tr>
<td>Management Plan Annual Update #4: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.</td>
<td>03/31/2026</td>
</tr>
<tr>
<td>Management Plan Annual Update #5: To include actual cropping, tillage, and nutrient application data from the previous calendar or crop year, consistent with the requirements of department for 3400-025D.</td>
<td>03/31/2027</td>
</tr>
<tr>
<td>Ongoing Management Plan Annual Updates: Continue to submit Annual Updates to the Nutrient</td>
<td></td>
</tr>
</tbody>
</table>
Management Plan until permit reissuance has been completed.

2.5 Permit Application Submittal
The permittee shall file an application for permit reissuance in accordance with NR 200, Wis. Adm. Code.

<table>
<thead>
<tr>
<th>Required Action</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permit Application Submittal: Submit a complete permit application to the Department no later than 180 days prior to permit expiration.</td>
<td>04/01/2027</td>
</tr>
</tbody>
</table>

2.6 Explanation of Schedules
Schedule items 2.1, 2.2, 2.3, 2.4 and 2.5 are typical and required for all CAFO permittees.

Attachments:
Map(s)
Plan Approval Letter(s)

Proposed Expiration Date: 9/30/2027

Prepared By:

Trent Brenny
Agricultural Runoff Management Specialist

Date: 8/01/2022
Shop Site
July 20, 2022

Steve OLeary
Wolfgang Dairy LLC
11812 Palm Grove Rd
Reedsville, WI 54230

SUBJECT: Conditional Approval of Wolfgang Dairy LLC Nutrient Management Plan, WPDES Permit No. 0061808-03-0

Dear Mr. OLeary:

After completing a review of Wolfgang Dairy LLC 2022-2026 Nutrient Management Plan (NMP) the Wisconsin Department of Natural Resources (Department) is providing conditional approval that it is consistent with Nutrient Management Requirements in s. NR 243, Wis. Adm. Code. This part of your WPDES permit application is now ready for the public notice and comment process as required by Ch. 283 Stats.

Before applying manure onto approved fields each season, the Department recommends Wolfgang Dairy LLC review the NMP with those individuals involved with manure applications to ensure all remain familiar with the approved manure spreading protocol, spreading maps, field and map verification, record keeping requirements, and all the conditions of this approval. Specifically, some fields in Wolfgang Dairy LLC may have:

- Soils that may have bedrock or groundwater within 24 inches of surface,
- Multiple setback areas due to streams, conduits to streams, grassed waterways, wetlands, or wells, and
- Evidence of possible soil erosion/flow channels. Note: road ditches or other man made channels may be considered flow channels or conduits to navigable water and may be subject to a SWQMA and setback.

Reviewing the NMP and checking fields for these features and soil conditions prior to manure applications will help Wolfgang Dairy LLC maintain compliance with their WPDES permit and Ch. NR 243 requirements.

FINDINGS OF FACT

The Department confirms that:

1. A current dairy herd size of 1,362 animal units (750 milking & dry cows, 525 heifers, and 0 calves). Currently there are no planned expansions in the next permit term.
2. Manure generation and spreading records indicate your herd will annually generate approximately 10,000,000 gallons of manure and process wastewater and 1,075 tons of solid manure in the first year of the permit term.
3. The use of application restriction options 1 and 5 within surface water quality management areas.
4. The use of phosphorus delivery method P Index.
5. That Wolfgang Dairy LLC currently has 1,647 acres (579 owned and 1,068 controlled through contracts, rental agreements or leases, or under manure agreements) of which 1,606 are spreadable acres.
6. That no fields are directly adjacent to or have high potential to deliver nutrients and sediment to a 303(d) impaired water.
7. That no fields are directly adjacent to or have high potential to deliver nutrients and sediment to outstanding/exceptional waters.
8. That 5 fields are tiled.
   - LH 6
   - LH 12
   - LH 16
   - LH 27
   - RM 5
9. That all fields will be checked for the following features prior to/during manure or process wastewater applications: soil areas with possible shallow groundwater (i.e., within 24 inches of surface) at the time of manure application; required setbacks associated with wells, navigable waters, conduits to navigable waters, grassed waterways, wetlands, possible soil erosion/flow channels.
10. That surface applications of manure will not be completed when precipitation capable of producing runoff is forecasted within 24 hours of the time of planned application.

**CONDITIONAL NUTRIENT MANAGEMENT PLAN APPROVAL**

The Department hereby approves the 2022-2026 Wolfgang Dairy LLC Nutrient Management Plan subject to the following conditions and the applicable requirements of Ch. NR 243, Wis. Adm. Code:

**FIELD AND MANURE MANAGEMENT**

1. Fields not included in the NMP and new fields shall not receive manure or process wastewater applications until they have been properly soil sampled, entered into Snap Plus, evaluated for their nutrient needs, and approved by the Department.
2. If existing fields yield a soil test results equal to or greater than 200 ppm P, those fields would be prohibited from receiving manure or process wastewater applications, unless you obtain Department approval in accordance with NR 243.14(5)(b)2., Wis. Adm. Code.
3. All liquid manure samples collected may be analyzed, at a minimum, for percent dry matter, total nitrogen, percent NH₄-N, percent NO₃-N, phosphorus, potassium, and sulfur.
4. If manure sample results have a dry matter (DM) content less than 2.0% and the percent ammonium (NH₄⁺) is greater than 75% of the total N, Wolfgang Dairy LLC may use the following equation to adjust the first year available nitrogen when applications are injected or incorporated within 1 hour:

   \[ \text{First-Year Available N} = \text{NH}_4-N + [0.25 \times (\text{Total N} - \text{NH}_4-N)] \]

5. Wolfgang Dairy LLC shall record daily manure applications by using form 3200-123A.
6. Wolfgang Dairy LLC shall annually submit a spreading report that summarizes the land application activities listed under NR 243.19(3)(c)5., Wis. Adm. Code by using form 3200-123.

**WINTER SPREADING**

7. Liquid manure applications during winter conditions, as defined by NR 243.14(7), Wis. Adm. Code, are prohibited with the exception of emergency applications.
8. The following field(s) are approved for winter spreading solid manure, emergency applications of liquid manure and frozen liquid manure:

- C-10-160
- F-32-46
- F-10-17
- F-10-20
- F-35-58
- Z1
- F-20-25
- DP67
- DP11
- DP12-13
- F-9-8
- F-9-11
- F-15-23
- F-15-24
- F-32-159
- F-32-144
- F-32-144
- F-32-144
- Wampler
- F-32-144
- K-20-95
- LH3-4
- LH1-2
- LH5
- LH 9-11
- LH12
- F-36-169
- F-24-41
- F-24-42

9. Winter spreading of solid and liquid manure may not occur during the “high risk runoff period” pursuant to s. NR 243.14(6)(c) and NR 243.14(7)(c), respectively.

10. Winter applications of liquid manure shall only occur under emergency situations, after notifying the Department and receiving verbal approval.

11. Liquid applications shall be limited to 3,500 gallons per acre or 30 lbs. P per acre, whichever is less, on slopes 2-6% and 7,000 gallons per acre or 60 lbs. P per acre, whichever is less, on slopes 0-2%. Winter applications of solid manure shall be limited to 60 lbs. P per acre.

HEADLAND STACKING

12. The following sites are approved for non-winter and winter headland stacking:

- C-11-164 #1
- F-10-17 #1
- F-10-20 #1, #2, #3
- F-32-144 #1, #2
- F-35-58 #1, #2
- F-36-170 #1, #2
- K-31-111 #1, #2
- K-20-95 #1, #2

MANURE & PROCESS WASTEWATER IRRIGATION

13. Irrigation of manure or process wastewater is prohibited.

SUBMITAL AND RECORDKEEPING REQUIREMENTS

14. A copy of this conditional approval shall be included in all future annual Nutrient Management Plan Updates in addition to the NR 243 and NRCS 590 checklists.

This conditional approval does not limit the Department’s regulatory authority to require NMP revisions (based upon new information or manure irrigation research findings) or request additional information in order to confirm or ensure your farm operation remains in compliance with NR 243 and your 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 this activity.

Please keep in mind that approval by the Department of Natural Resources – Runoff Management Program does not relieve you of obligations to meet all other applicable federal, state or locate permits, zoning and regulatory requirements.

If you have any questions regarding this approval, I can be reached at 920-360-9010 or Brandon.Flenz@Wisconsin.gov.
Sincerely,

Brandon Flenz  
WDNR Agricultural Runoff Specialist  
Wisconsin Department of Natural Resources

cc: Trent Brenny, WDNR Agricultural Runoff Specialist (Trenton.Brenny@Wisconsin.gov)  
Joseph Baeten, WDNR Watershed Field Supervisor (Joseph.Baeten@wisconsin.gov)  
Chris Clayton, WDNR Ag Runoff Section Chief (Christopherr.Clayton@Wisconsin.gov)  
Aaron Orouke, WDNR NMP Specialist (Aaron.Orouke@Wisconsin.gov)  
Jerry Halverson, Manitowoc County Conservationist (jerryhalverson@co.manitowoc.wi.us)  
Kevin Beckard, Ag Source Laboratories (kbeckard@agsource.com)  
File
October 5, 2020

Paul Braun
Wolfgang Dairy, LLC
11812 Palm Grove Rd.
Reedsville, WI 54230

Subject: Days of Storage Review for Wolfgang Dairy, LLC T20N, R22E, Section 35 in Franklin Township, Manitowoc County – NO ADDITIONAL ACTION REQUIRED

Dear Mr. Braun:

This letter is to inform you that the Wisconsin Department of Natural Resources (Department) has completed its review of the calculation of days of storage submitted under certification by David Sauer, P.E., Cedar Corporation on July 24, 2020 on behalf of Wolfgang Dairy, LLC.

The Department reviewed the submitted calculations in accordance with s. NR 243.16(1)(c), Wis. Adm. Code. Under s. NR 243.16(3), Wis. Adm. Code, the Department may require additional practices, conditions, or permittee actions based on Department review of the submitted evaluation. For the following liquid manure storage calculations, the Department has determined no additional actions on your part are required.

**Days of Available Liquid Waste Storage:** The submitted information states that Wolfgang Dairy, LLC has 202 days of liquid waste storage based on the volumes listed in the table below with respect to s. NR 243.15(3)(i) to (k), Wis. Adm. Code. However, no documentation was provided that verifies the floor elevation and depth of solids for the waste storage ponds. Information that was provided uses as-built drawings. The number of days of storage may change once this information is determined. The current number of animal units provided for the calculation is 1,447. The liquid waste volumes are based on manure hauling logs. The liquid waste volumes are based upon a collection period of 365 days.

<table>
<thead>
<tr>
<th></th>
<th>Gallons</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Liquid Waste Storage:</td>
<td>7,162,730</td>
</tr>
<tr>
<td>Total Solids Storage</td>
<td>398,748</td>
</tr>
<tr>
<td>Total 25-yr, 24-hr Precip.</td>
<td>309,171</td>
</tr>
<tr>
<td>on Storage</td>
<td></td>
</tr>
<tr>
<td>Total 25-yr, 24-hr Collected</td>
<td>0</td>
</tr>
<tr>
<td>Runoff</td>
<td></td>
</tr>
<tr>
<td>Total Freeboard Vol.</td>
<td>804,223</td>
</tr>
<tr>
<td><strong>Total MOL Liquid Waste Storage:</strong></td>
<td><strong>5,650,588</strong></td>
</tr>
</tbody>
</table>

Based on hauling log data. Although the average animal units are 1,902, based on the permit application, the animal units will remain at 1,447 throughout the next permit term.

<table>
<thead>
<tr>
<th>Year</th>
<th>Gallons</th>
<th>AUs</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>8,510,430</td>
<td>2,179</td>
</tr>
<tr>
<td>2016</td>
<td>10,080,729</td>
<td>2,179</td>
</tr>
<tr>
<td>2017</td>
<td>10,584,106</td>
<td>2,179</td>
</tr>
<tr>
<td>2018</td>
<td>9,920,675</td>
<td>1,526</td>
</tr>
<tr>
<td>2019</td>
<td>10,638,506</td>
<td>1,447</td>
</tr>
<tr>
<td>5-year Average</td>
<td>9,946,889</td>
<td>1,902</td>
</tr>
</tbody>
</table>

Should you have any questions, please contact Jeff Kreider, DNR Madison office or your regional CAFO Specialist.
NOTICE OF APPEAL RIGHTS

If you believe that you have a right to challenge this decision, you should know that the Wisconsin statutes and administrative rules establish time periods within which requests to review Department decisions must be filed. For judicial review of a decision pursuant to WIS. STAT. §§ 227.52 and 227.53, you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review must name the Department of Natural Resources as the respondent.

To request a contested case hearing pursuant to WIS. STAT. § 227.42, you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. All requests for contested case hearings must be made in accordance with WIS. ADMIN. CODE § NR 2.05(5), and served on the Secretary in accordance with WIS. ADMIN. CODE § NR 2.03. The filing of a request for a contested case hearing does not extend the 30-day period for filing a petition for judicial review.

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES

Bernie Michaud, P.E.
CAFO Engineer Supervisor
Watershed Management Program
Email: David Sauer
Cedar Corporation
(608) 354-0037; dave.sauer@cedarcorp.com

Jeff Kreider
Water Resources Engineer
Watershed Management Program

Trent Brenny
DNR, Northeast Region
(608) 573-2350; Trenton.Brenny@wisconsin.gov

Joe Baeten
DNR, Northeast Region
(920) 662-5196; Joseph.Baeten@wisconsin.gov

Jerry Halverson; County Conservationist
Manitowoc County
(920) 683-4183; jerryhalverson@co.manitowoc.wi.us

Jeff Kreider
DNR, Central Office
(608) 212-6547; Jeff.Kreider@wisconsin.gov

Aaron O’Rourke
DNR, Eau Claire
(715) 839-3775; aaron.orourke@wisconsin.gov

Jeff Kreider
DNR, Central Office
(608) 261-6419; ashley.scheel@wisconsin.gov

Matt Woodrow
DATCP
(920) 427-8505; matthew.woodrow@wisconsin.gov

Email: David Sauer
Cedar Corporation
(608) 354-0037; dave.sauer@cedarcorp.com

Trent Brenny
DNR, Northeast Region
(608) 573-2350; Trenton.Brenny@wisconsin.gov

Joe Baeten
DNR, Northeast Region
(920) 662-5196; Joseph.Baeten@wisconsin.gov

Jerry Halverson; County Conservationist
Manitowoc County
(920) 683-4183; jerryhalverson@co.manitowoc.wi.us

Jeff Kreider
DNR, Central Office
(608) 212-6547; Jeff.Kreider@wisconsin.gov

Aaron O’Rourke
DNR, Eau Claire
(715) 839-3775; aaron.orourke@wisconsin.gov

Jeff Kreider
DNR, Central Office
(608) 261-6419; ashley.scheel@wisconsin.gov

Matt Woodrow
DATCP
(920) 427-8505; matthew.woodrow@wisconsin.gov