OPERATION & MAINTENACE PLAN

GRUBER LIVESTOCK NORTH LLC

MARIETTA TOWNSHIP

CRAWFORD COUNTY

NW 1/4 OF SW 1/4
SECTION 14
T-8-N R-4-W

JULY 2025

JEG File #0169-01

Prepared for:

GRUBER LIVESTOCK NORTH LLC
12740 W HADLEY RD
HOMER GLEN, IL 60491

Prepared by:

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JOHNSON ENGINEERING GROUP

GRUBER LIVESTOCK NORTH LLC

CRAWFORD COUNTY, MARIETTA TOWNSHIP, WISCONSIN

SECTION 14 – NW1/4 OF SW1/4

T-8-N R-4-W

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Dennis Gruber
Owner/Operator Name

Dennis Gruber
Owner/Operator Signature

7-23-25
Date

1. PROJECT PARTICIPANTS

Owner Contact

Gruber Livestock North LLC
12740 W Hadley Rd
Homer Glen, IL 60491
Contact: Dennis Gruber
Phone: (773)-428-5725
Email: snkdoc1@yahoo.com

Project Site Location

Crawford County, Wisconsin
Marietta TWP (T8N R4W)
NW1/4 SW1/4, Section 14

County Animal Waste Contact

David Troester
LCD County Conservationist
Crawford County Land Conservation Department
225 N. Beaumont, Suite 230
Prairie du Chien, WI 53821
Phone: (608) 326-0272
Email: dtroester@co.crawford.wi.gov

Johnson Engineering Group, LLC Contacts

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2. PURPOSE

This Operation and Maintenance (O&M) Plan has been developed for the proposed structure being constructed at the Gruber Livestock North project site in Section 14 of Marietta Township in Crawford County, Wisconsin. The purpose of submitting this O&M plan is to provide information about the operation and maintenance of the following structure:

- Waste Storage Facility

Proper operation and maintenance is required for a structure to function as intended and to extend the useful life of that structure. Standard Wisconsin O&M documents have been reviewed and incorporated into this plan. The owner is responsible for implementing the O&M plan. The O&M plan may be required to be modified to accommodate unforeseen circumstances or conditions.

3. WASTE STORAGE FACILITY

The proposed barn is planned to house 2,499 gilts. The waste storage facility is planned to be located underneath the barn. Manure is planned to fall through precast slatted floors into the waste storage below. The waste storage facility should provide approximately 372 days of storage. Manure accumulated in the waste storage facility will be mixed and pumped as a liquid.

Waste Utilization

Waste removed from the waste storage facility must be utilized in accordance with Wisconsin NRCS Field Office Technical Guide, Section IV (WI FOTG), Standard 590, Nutrient Management.

Emptying

Immediately remove foreign debris within the structure that may cause damage to pumps or agitators. Agitate properly according to pump manufacturer's instructions. Minimize odors by not mixing and spreading on humid days or upwind from nearby neighbors.

Do not allow human entry into any enclosed structure without safety equipment including ladders and breathing apparatus. The American Society of Agricultural & Biological Engineers (ASABE) standard EP-470 states:

> *"Do not enter under-floor (underground) covered storage or pumping station without using the proper respirator equipment. In addition, these safety practices are needed: (a) shut off any manure pumps, (b) ventilate storage or pumping station at the maximum rate, (c) test the storage or station air for O_2 level and toxic gas levels, (d) attach a safety harness and rope to the working person with at least one person standing by to help with a mechanical retrieval device, and (e) have on hand an extra set of proper respirator equipment for the person standing by."*

Waste should be removed at designated pumpout access points.

Methods to Monitor Maximum Operating Level (MOL)

The manure level should be maintained at least 1.2 feet below the top of the waste storage facility. The MOL for the proposed facility is at elevation 1022.8'. NRCS CPS 313 provides "for storages where the contents or staff gage are not visible, such as below a slatted floor," to "identify the method for the operator to measure the depth of stored waste." The MOL is determined by measuring through the slats to the manure below. Measure from the top of slat to the manure level and subtract the distance from 8 feet (e.g. measured 5 feet from the top of slat to manure level: 8-5 = 3 feet operating level). Since the waste storage facility surface is planned to be level, a measurement from the top of the wall to the liquid level can be taken at any point around the facility.

Inspections

1. The waste storage facility should be observed for overall performance in containing manure residue in the facility and protecting against overflow or operational losses. Areas damaged by weather or equipment should be repaired by grouting or caulking as appropriate.

Displacement or other indications of differential movement of the structure should be reported to the Engineer for direction on action which may be needed.

2. Vegetative cover should be maintained on earth embankments. If the vegetative cover is damaged, embankments should be re-vegetated as soon as possible. Keep machinery away from steep side slopes. Keep equipment operators informed of all potential hazards.
3. Maintain necessary safety features including warning signs, fences, and similar items to provide warning and/or prevent unauthorized human or livestock entry.
4. Inspect the outlet of any artificial drainage system installed to lower a perched seasonal high-water table adjacent to the waste storage facility. The inspections should occur at least twice per year: once during the highwater table season to ensure that water is flowing indicating the system is operational (not blocked) and once during the dry season to ensure there is no direct leakage from the storage facility into the drainage system that may be indicated by a high flow rate, turbidity, discoloration, odors, or other unusual characteristics of the flow. Immediately investigate any indication of blockage or leakage and consult a qualified individual for any corrective need.

Additional Recommendations:

Slat Removal or Replacement

In the event that slats need to replaced, a continuous row of slats from side wall to side wall must be left in place every 40 feet at a minimum.

4. WASTE UTILIZATION

All wastes removed from structures must be utilized in accordance with the approved Nutrient Management Plan.

5. CONTINGENCY PLAN

CONTINGENCY PLAN IF WASTE REACHES MAXIMUM OPERATING LEVEL

- Daily haul manure to fields and spread according to your Nutrient Management (590) plan, or
- Partially empty the facility and spread according to your Nutrient Management (590) plan
- If this contingency plan is needed often, consider adding storage volume.

CONTINGENCY PLAN IF MANURE IS FOUND IN DRAIN TILE

- Use the best available method for plugging the drain tile, such as a cap or sandbags with bentonite.

- Close the valve at the tile inspection port.
- Follow the Emergency Response Plan.

6. EMERGENCY RESPONSE PLAN

Farm Name: Gruber Livestock North LLC

Operator: Dennis Gruber

Farm Address: Not Yet Assigned.
Parcel No.: 01206590000
Closest Address: 47762 Plainview Ridge Road, Boscobel, WI 53805

Legal Description: Marietta Township (T8N, R4W) SW ¼ of SW ¼ Section 14.

Directions to Farm from Fire Department: *Head north on Wisconsin Ave. toward W Du Bay St. Turn left onto W Prairie St. Turn right onto US-61 N/Elm St. Turn left onto WI-60 Trunk. Turn right onto County Rd. E. Turn left onto Plainview Ridge Rd. The driveway to the farm is on the north side of Plainview Ridge Rd. and located near a grain bin. Follow the driveway for approximately 0.7 miles to reach the barn.*

EMERGENCY RESPONSE PLAN – MANURE SPILL/STRUCTURE OVERFLOWING

- Stop the flow
- Assess the situation and make appropriate calls
- Notify the DNR spill hotline 1-800-943-0003
- Begin clean up
- If necessary, call manure hauler to bring agitation pump and tanker, call for front end loader/backhoe
- Construct a temporary dike below manure flow from earthfill, corn silage, or other available material if manure is flowing towards a drainage outlet.
- If spill is in field area, use tillage equipment to slow the flow
- Land apply manure on fields approved for manure application in the nutrient management plan. Apply at established rates.
- Collect contaminated soil from the impacted area and land apply materials on fields approved for manure application in the nutrient management plan.
- Document and review actions taken to contain or minimize the spill
- Contact Engineer to assess manure storage basin and repair if necessary

7. EMERGENCY RESPONSE CONTACTS

	Phone Number	Cell Number
Owner/Operator	Gruber Livestock North LLC	773-428-5725
Owner/Operator	Dennis Gruber	773-428-5725
Emergency Contacts	**Contact Person (or Company)**	**Phone Number**
Fire/Rescue	Boscobel Fire Dept.	911 or 608-375-4121
County Sheriff	Dale McCullick	911 or 608-326-1106
Farm Emergency Coordinator	Dennis Gruber	773-428-5725
DNR Hazardous Spill Line		1-800-943-0003
DNR Permit Contact/Warden	Cody Adams – Conservation Warden	608-485-0108
Veterinarian	Ethan Spronk	319-461-0090
Equipment/Supplies	**Contact Person (or Company)**	**Phone Number**
On-Farm Equipment Operator	Dennis Gruber	773-428-5725
Excavation Contractor	Jerico Construction	641-364-7843
Manure Hauler	Chief's Pumping	608-778-7381
Septic Tank Pumping Truck	Hermsen's Plumbing Heating & Septic	608-994-2707
Mortality Disposal Contractor	N/A Onsite Composting	
Local Government Contacts	**Contact Person (or Company)**	**Phone Number**
Town Chairman	N/A	
LCD County Conservationist	David Troester	608-326-0272
NRCS District Conservationist	Carlton Peterson	608-326-7179