

## Final Report

### Agricultural Targeted Runoff Management & Notice of Discharge Grant Programs

Form 3400-189A (R 01/20)

Page 1 of 2

**NOTICE:** This document is required under s. 281.65, Wis. Stats., and chs. NR 153 and 154, Wis. Adm. Code. A final project report must be submitted as part of the final reimbursement request. Personally identifiable information contained in this form will be used for determining reimbursement eligibility in the Targeted Runoff Management and Notice of Discharge Grant Programs and will not be used for any other purpose.

**INSTRUCTIONS:** Send the completed, electronic copy of this form and all attachments to the Department of Natural Resources (DNR) Region Nonpoint Source Coordinator. Please read all instructions prior to completion.

#### Grant Type

Select Grant Type Notice of Discharge

#### Grant Information

Grantee - Governmental Unit Name Waupaca County Land & Water Conservation Dept		Grant Number NOD69000Y19
Project Name Waupaca County		
Project Contact Name D&D Beyer Farms LLC NOD	Phone Number (715) 258-6482	E-mail Address brian.haase@co.waupaca.wi.us

#### Site 1 - Location & Watershed Information

Additional sites may be added to the project by clicking on the [+Loc] button

Name of Cost-Share Recipient D&D Beyer Farms LLC		Animal Units 240	Latitude 44.4927	Longitude -88.8543
County Waupaca	12-Digit HUC 040302021704	12-Digit Watershed Name Bear Lake-Little Wolf River		
Nearest Receiving Waterbody Driscoll Lake		Primary Waterbody addressed by project Little Wolf River		

#### Site 1 - BMP & Load Reduction Information

Additional BMPs for this site may be added by clicking on the [+] button

Best Management Practice Installed	Quantity	Unit of Measure	Performance Standard/Prohibition Addressed	Load Reduction			Total Installation Cost
				Phosphorus lbs/yr	Nitrogen lbs/yr	Sediment Tons/yr	
Heavy Use Area Protection	1	acres	Code(s) 12	19.2			\$114,384.00
Waste Transfer Systems	1	No.	Code(s) 7,12	238.2			\$71,236.00
Manure Storage Systems	1	No.	Code(s) 4,12	238.2			\$184,207.00

#### Model(s)/Methods Used to Calculate Load Reduction (check all that apply)

☐ STEPL ☒ SNAP+ ☒ BARNY ☐ RUSLE 2 ☐ Other (specify) \_\_\_\_\_

#### Site 1 - Compliance Requirements

Performance Standard or Prohibition Addressed	Chs. NR 151 or 243 Wis. Adm. Code Notice Type	Notice Letter Attached?	Compliance Achieved?	Compliance letter attached?
Manure storage facilities-new/significant alterations.	NR 151	Yes	Yes	Yes
Process wastewater handling.	NR 151	Yes	Yes	Yes
Prohibit runoff from feedlot or stored manure into the state's waters.	NR 151	Yes	Yes	Yes

#### Check all of the true statements below.

- ☒ 1. A copy the compliance letter for site 1 has been placed in county files.
2. The attached compliance letter for site 1:
- ☒ a. has been provided by the county to the landowner and cost-share recipient;
  - ☒ b. identifies each of the performance standards & prohibitions (PS&Ps) on cropland and livestock facilities brought into compliance by the project, and listed in the table above;
  - ☒ c. identifies the name and location of the facility where compliance has been achieved; and
  - ☒ d. states that the landowner is obligated to maintain compliance with each PS&P addressed by the project in perpetuity regardless of future cost sharing.

#### Site 1 - Required attachments

Check the box if the required information for the site is attached:

- ☒ Photos of pre-and post-implementation of BMP(s) ☒ Load reduction modeling documents
- ☒ Aerial photo map of site with BMPs labeled ☐ Water quality monitoring results/summary, if applicable



## Final Report

### Agricultural Targeted Runoff Management & Notice of Discharge Grant Programs

Form 3400-189A (R 01/20)

Page 2 of 2

#### Site 1 - Information

*Narrative space will expand to fit*

This project consisted of constructing a total containment barnyard, an upgrade to an existing waste transfer system and waste storage facility in order to meet current 313 specifications. The proximity of this site to Driscoll Lake as well as the local topography made this site a high priority for conservation. Frequent, intense storms resulted in many polluted runoff events that made it clear a total containment system was needed to bring this farm into compliance with NR 151. The existing settling basin and filter strip had both served their purpose, but were no longer viable solutions to reduce or eliminate contaminated runoff. Additional storage was needed to handle the volume of manure and contaminated rainwater from the barnyard. Therefore, the existing clay-line pit was expanded and reinforced with a subliner (foundry sand) and concrete to meet current specifications. The additional storage now eliminates the need for winter spreading.

☐ DNR may use this site as a success story to meet state and federal reporting needs.

#### Additional Project Information and/or Comments

*Narrative space will expand to fit*

Please see original DNR NOD letter for full description of site problems.

#### Grantee Certification

A responsible government official (authorized signatory) must authorize and date the final report form prior to submittal to DNR.

I certify that, to the best of my knowledge, the project is complete and the information contained in this final report and attachments are correct and true.

Name of Authorized Government Official

Title of Authorized Government Official

Date

Brian Haase

County Conservationist

03/11/2020

#### For DNR Use Only

☒ Received complete reports with all attachments ☒ Practices implemented were consistent with the grant agreement

Comments about this project:

Name of Region Nonpoint Source Coordinator

Date

Eric Evensen

04/06/20

Send the Final Report and attachments to the Community Financial Assistance Grants Manager and to the Runoff Management Grant Coordinator. Keep a printed copy for the Region file.

**Waupaca County**  
**Land & Water Conservation Department**

811 Harding Street  
Waupaca WI 54981  
Fax: 715/258-6239

Phone: 715/258-6245



**Brian Haase**  
County Conservationist  
**Ann Stearns**  
Program Assistant  
**Corey Schuelke**  
Engineering Technician  
**Greg Peterson**  
Engineering Technician  
**Dan McFarlane**  
Engineering Technician/GIS  
**Stefan Stults**  
Nutrient Mngmt. Specialist

March 11, 2020

D&D Beyer Farms  
E7450 Little Creek Road  
E7324 Little Creek Road  
Manawa, WI 54949

Dean & Doug,

Waupaca County is required to inform you in writing, as part of the NOD grant process, of your obligation to maintain compliance with the applicable state agricultural performance standards and prohibitions that were addressed by the NOD cost-share agreement for your farm located at T23N R14E Sec 06. These standards and prohibitions are outlined in Subchapter II (NR 151.02-NR 151.09) of Wisconsin Administrative Code NR 151 and are listed below. Keep in mind that you are now obligated to maintain compliance with each of the performance standards listed below in perpetuity regardless of future cost sharing. I encourage you to take the time to read them over carefully.

NR 151.05(2)	Manure storage facilities performance standards (New Construction and Alterations)
NR 151.055(2)	Processed Wastewater Handling (No significant discharge to waters of the state)
NR 151.08(4)	Manure Management Prohibitions (A livestock operation shall have no direct runoff from a feedlot or stored manure into waters of the state)

Also, to further comply with NR 151.07 (Nutrient Management) and Section 51.08(4) of the Waupaca County Code of Ordinances, Waupaca County and the State of Wisconsin requires that you submit a copy of your Nutrient Management Plan (NRCS 590) to our office by April 15th of each year. Copies of your plan will be kept on file for potential review by DNR, DATCP or County staff.

If you have any questions regarding this issue or would like a full copy of Wisconsin Administrative Code NR 151, please feel free to call me at 715-258-6482.

Sincerely,

Brian Haase  
County Conservationist  
Waupaca County LWCD  
715-258-6482



FM10: Annual PI Report		DD Beyer Farms		Crop Rotation 2016 to 2022 - WSF built in 2019								PI Difference	PI Difference x Field Acres
Field Name	Field Acreage	Field Rotational Average PI	P Index	2016	2017	2018	2019	2020	2021	2022	2023	"No WSF" - "Yes WSF"	Negative means P Loss Positive means P Loss reduction
1	19.8	3	Total	3.9	2.8	2.6	2.5	3.1	2.1	1.4	1.4	Sum(2016-2019) minus Sum(2020-2023)	
1A	12.3	2	Total	3.9	2.6	1.4	1.2	3.6	2.3	1.2	1.1		75.2
1B	7.8	3	Total	6.8	4.3	2.1	1.9	5.6	3.3	1.7	1.7		11.1
1C	6.4	3	Total	5.6	3.5	1.7	1.5	5.6	3.3	1.6	1.6		21.8
2	8.1	5	Total	7.2	5.1	4.6	4.3	6.4	4.4	3.3	3.3		1.3
2A/B	11.7	2	Total	2.0	1.7	1.4	1.3	1.8	1.4	1.2	1.1		30.8
2C	7.3	3	Total	4.9	3.5	3.1	3.0	4.0	2.6	1.8	1.8		10.5
2D/E	15.9	3	Total	4.5	3.3	2.2	2.1	3.6	2.4	1.6	1.6		31.4
2F	8.4	2	Total	4.1	3.0	1.6	1.5	3.2	2.1	1.4	1.4		46.1
2G	3.7	2	Total	4.2	3.0	1.5	1.4	3.2	2.1	1.4	1.4		17.6
2H/I/J	10.8	5	Total	9.4	6.0	3.1	2.8	9.4	5.7	3.0	2.9		7.4
3A	7.3	2	Total	4.2	2.7	1.2	1.1	4.2	2.5	1.2	1.1		3.2
3B	7.7	3	Total	4.5	2.9	1.3	1.2	4.5	2.7	1.3	1.3		1.5
4	22.7	2	Total	3.5	2.6	2.4	2.3	2.7	1.8	1.2	1.2		0.8
5A/B	12.1	2	Total	3.8	2.7	2.5	2.4	2.9	1.9	1.3	1.3		88.5
6-1	6.7	4	Total	8.5	5.6	2.4	2.1	7.0	4.4	2.3	2.2		48.4
6-3A	9.7	3	Total	4.5	3.1	2.1	1.9	4.6	3.0	2.1	2.1		18.1
6-3B	9.7	2	Total	3.2	2.3	1.5	1.4	3.2	2.2	1.5	1.5		-1.9
6-10A	9.3	2	Total	4.3	3.1	1.7	1.6	3.3	2.2	1.6	1.6		0.0
6-10B	4.6	5	Total	9.5	6.2	2.9	2.7	8.0	5.0	2.7	2.6		18.6
6-11	3.7	5	Total	8.5	5.6	2.8	2.6	7.0	4.4	2.4	2.3		13.8
6-13D+E	7.6	2	Total	2.8	2.0	1.3	1.2	2.8	1.9	1.3	1.3		12.6
6-13F	6.7	5	Total	8.5	5.6	3.3	3.0	7.0	4.3	2.3	2.2		0.0
6-13G	5.9	4	Total	8.3	5.5	2.5	2.2	6.8	4.2	2.2	2.1		30.8
6-13H	5.9	4	Total	8.3	5.5	2.3	2.1	6.8	4.2	2.2	2.1		18.9
6-13I	5.0	4	Total	8.3	5.5	2.2	2.0	6.8	4.2	2.2	2.1		17.1
7A/B/C	26.2	2	Total	3.9	2.8	2.5	2.4	3.1	2.0	1.3	1.3		13.5
9	21.5	3	Total	3.9	2.8	2.6	2.5	3.1	2.1	1.4	1.4		102.2
10	13.1	2	Total	3.9	2.8	2.5	2.4	3.1	2.0	1.3	1.3		3.9
11	4.4	2	Total	2.2	2.0	2.5	2.5	1.5	1.3	1.3	1.3		81.7
14	6.0	2	Total	2.8	2.4	2.7	2.7	2.0	1.6	1.5	1.5		51.1
18	9.5	2	Total	3.1	2.6	2.9	2.8	2.3	1.8	1.5	1.6		16.7
20NE/17	9.3	2	Total	3.4	2.7	2.9	2.8	2.5	1.9	1.5	1.6		24.0
20SE	5.3	3	Total	4.4	3.5	3.8	3.6	3.6	2.7	2.4	2.4		39.9
20W	9.0	2	Total	2.9	2.5	2.8	2.7	2.1	1.6	1.5	1.5		40.0
													22.3
													37.8

Total Acres: 341.1

Total PI Change:

952.8 / 4yr rotation  
238.2



## FM10: Annual PI Report

Reported For **DDBeyerFarms\_TRM**

Printed **2020-02-03**

Plan Completion/Update Date **2020-01-31**

SnapPlus Version **19.1 built on 2019-12-26**

V:\LWCD\Nutrient\_Management\TRM\_Modeling  
 \TRM\_Modeling\_DDBeyerFarms\DDBeyerFarms\_TRM.snapDb

Prepared for:  
 DDBeyerFarms\_TRM  
 attn:DDBeyerFarms\_TRM

Field Name	Soil Series & Symbol (critical)	Slope	Tillage	Rot Avg PI	PI	2016	2017	2018	2019	2020	2021	2022	2023
1	HORTONVILLE HnB	4	FCD-FCD-None-None-FCD-FCD-None-None	3	Total Particulate Soluble	3.9 3.0 1.0	2.8 1.8 1.0	2.6 0.8 1.8	2.5 0.7 1.8	3.1 2.7 0.4	2.1 1.6 0.4	1.4 0.7 0.7	1.4 0.6 0.8
10	HORTONVILLE HnB	4	FCD-FCD-None-None-FCD-FCD-None-None	2	Total Particulate Soluble	3.9 3.0 0.9	2.8 1.9 1.0	2.5 0.8 1.7	2.4 0.7 1.7	3.1 2.8 0.3	2.0 1.7 0.3	1.3 0.7 0.6	1.3 0.7 0.7
11	ANGELICA Ax	1	FCD-FCD-None-None-FCD-FCD-None-None	2	Total Particulate Soluble	2.2 1.2 1.0	2.0 0.8 1.2	2.5 0.5 2.0	2.5 0.4 2.1	1.5 1.1 0.4	1.3 0.8 0.5	1.3 0.4 0.8	1.3 0.4 0.9
14	WAUPACA Wd	1	FCD-FCD-None-None-FCD-FCD-None-None	2	Total Particulate Soluble	2.8 1.6 1.1	2.4 1.1 1.3	2.7 0.5 2.2	2.7 0.5 2.2	2.0 1.5 0.5	1.6 1.0 0.6	1.5 0.5 1.0	1.5 0.4 1.1
18	WAUPACA Wd	1	FCD-FCD-None-None-FCD-FCD-None-None	2	Total Particulate Soluble	3.1 2.0 1.1	2.6 1.3 1.3	2.9 0.6 2.3	2.8 0.6 2.3	2.3 1.9 0.5	1.8 1.2 0.6	1.5 0.6 1.0	1.6 0.5 1.1
1A	HORTONVILLE HnB	4	FCD-FCD-None-None-FCD-FCD-None-None	2	Total Particulate Soluble	3.9 3.6 0.3	2.6 2.2 0.4	1.4 0.9 0.5	1.2 0.8 0.5	3.6 3.4 0.2	2.3 2.0 0.3	1.2 0.9 0.3	1.1 0.8 0.4
1B	ROSHOLT RoC	11	FCD-FCD-None-None-FCD-FCD-None-None	3	Total Particulate Soluble	6.8 6.0 0.9	4.3 3.5 0.9	2.1 1.3 0.8	1.9 1.1 0.8	5.6 5.4 0.2	3.3 3.1 0.2	1.7 1.2 0.4	1.7 1.1 0.5



Field Name	Soil Series & Symbol (critical)	Slope	Tillage	Rot Avg PI	PI	2016	2017	2018	2019	2020	2021	2022	2023
1C	ROSHOLT RoC	11	FCD-FCD-None-None-FCD-FCD-None-None	3	Total Particulate Soluble	5.6 5.4 0.2	3.5 3.3 0.2	1.7 1.3 0.4	1.5 1.1 0.4	5.6 5.4 0.2	3.3 3.1 0.2	1.6 1.2 0.4	1.6 1.1 0.5
2	HORTONVILLE HnB	4	FCD-FCD-None-None-FCD-FCD-None-None	5	Total Particulate Soluble	7.2 5.3 1.9	5.1 3.1 2.0	4.6 1.4 3.2	4.3 1.2 3.1	6.4 5.1 1.3	4.4 3.0 1.4	3.3 1.3 2.0	3.3 1.2 2.1
20NE/17	WEGA WeA	2	FCD-FCD-None-None-FCD-FCD-None-None	2	Total Particulate Soluble	3.4 2.2 1.1	2.7 1.5 1.3	2.9 0.7 2.2	2.8 0.6 2.2	2.5 2.0 0.5	1.9 1.3 0.6	1.5 0.6 0.9	1.6 0.6 1.0
20SE	WEGA WeA	2	FCD-FCD-None-None-FCD-FCD-None-None	3	Total Particulate Soluble	4.4 2.8 1.6	3.5 1.8 1.8	3.8 0.8 2.9	3.6 0.7 2.9	3.6 2.6 1.0	2.7 1.6 1.1	2.4 0.8 1.6	2.4 0.7 1.7
20W	WAUPACA Wd	1	FCD-FCD-None-None-FCD-FCD-None-None	2	Total Particulate Soluble	2.9 1.8 1.1	2.5 1.2 1.3	2.8 0.6 2.2	2.7 0.5 2.2	2.1 1.7 0.5	1.6 1.1 0.6	1.5 0.5 0.9	1.5 0.5 1.0
2A/B	ANGELICA Ax	1	FCD-FCD-None-None-FCD-FCD-None-None	2	Total Particulate Soluble	2.0 1.5 0.5	1.7 1.0 0.7	1.4 0.6 0.8	1.3 0.5 0.8	1.8 1.4 0.4	1.4 0.9 0.5	1.2 0.5 0.6	1.1 0.5 0.6
2C	HORTONVILLE HnB	4	FCD-FCD-None-None-FCD-FCD-None-None	3	Total Particulate Soluble	4.9 3.7 1.2	3.5 2.3 1.2	3.1 1.0 2.1	3.0 0.8 2.1	4.0 3.5 0.5	2.6 2.1 0.6	1.8 0.9 0.9	1.8 0.8 1.0
2D/E	HORTONVILLE HnB	4	FCD-FCD-None-None-FCD-FCD-None-None	3	Total Particulate Soluble	4.5 3.4 1.1	3.3 2.1 1.2	2.2 0.9 1.4	2.1 0.7 1.4	3.6 3.2 0.4	2.4 1.9 0.5	1.6 0.8 0.8	1.6 0.7 0.9
2F	HORTONVILLE HnB	4	FCD-FCD-None-None-FCD-FCD-None-None	2	Total Particulate Soluble	4.1 3.1 1.0	3.0 1.9 1.1	1.6 0.8 0.8	1.5 0.7 0.8	3.2 2.9 0.3	2.1 1.7 0.4	1.4 0.8 0.6	1.4 0.7 0.7



Field Name	Soil Series & Symbol (critical)	Slope	Tillage	Rot Avg PI	PI	2016	2017	2018	2019	2020	2021	2022	2023
2G	HORTONVILLE HnB	4	FCD-FCD-None-None-FCD-FCD-None-None	2	Total Particulate Soluble	4.2 3.1 1.0	3.0 1.9 1.1	1.5 0.8 0.7	1.4 0.7 0.7	3.2 2.9 0.3	2.1 1.7 0.4	1.4 0.8 0.6	1.4 0.7 0.7
2H/I/J	HORTONVILLE HnC2	9	FCD-FCD-None-None-FCD-FCD-None-None	5	Total Particulate Soluble	9.4 8.9 0.5	6.0 5.4 0.6	3.1 2.1 0.9	2.8 1.9 0.9	9.4 8.9 0.5	5.7 5.2 0.6	3.0 2.1 0.9	2.9 1.9 1.0
3A	ROSHOLT RoC	11	FCD-FCD-None-None-FCD-FCD-None-None	2	Total Particulate Soluble	4.2 4.1 0.1	2.7 2.6 0.1	1.2 1.0 0.2	1.1 0.9 0.2	4.2 4.1 0.1	2.5 2.4 0.1	1.2 1.0 0.2	1.1 0.9 0.3
3B	ROSHOLT RoC	11	FCD-FCD-None-None-FCD-FCD-None-None	3	Total Particulate Soluble	4.5 4.4 0.1	2.9 2.8 0.1	1.3 1.1 0.2	1.2 0.9 0.2	4.5 4.4 0.1	2.7 2.6 0.1	1.3 1.1 0.2	1.3 0.9 0.3
4	HORTONVILLE HnB	4	FCD-FCD-None-None-FCD-FCD-None-None	2	Total Particulate Soluble	3.5 2.7 0.9	2.6 1.7 0.9	2.4 0.7 1.7	2.3 0.6 1.7	2.7 2.4 0.2	1.8 1.5 0.3	1.2 0.7 0.5	1.2 0.6 0.6
5A/B	HORTONVILLE HnB	4	FCD-FCD-None-None-FCD-FCD-None-None	2	Total Particulate Soluble	3.8 2.9 0.9	2.7 1.8 1.0	2.5 0.8 1.7	2.4 0.6 1.7	2.9 2.6 0.3	1.9 1.6 0.3	1.3 0.7 0.6	1.3 0.6 0.7
6-1	HORTONVILLE HnC2	9	FCD-FCD-None-None-FCD-FCD-None-None	4	Total Particulate Soluble	8.5 7.5 1.0	5.6 4.6 1.1	2.4 1.7 0.7	2.1 1.4 0.7	7.0 6.7 0.3	4.4 4.0 0.4	2.3 1.7 0.6	2.2 1.5 0.7
6-10A	HORTONVILLE HnB	4	FCD-FCD-None-None-FCD-FCD-None-None	2	Total Particulate Soluble	4.3 3.1 1.2	3.1 1.9 1.2	1.7 0.8 1.0	1.6 0.7 1.0	3.3 2.8 0.5	2.2 1.7 0.5	1.6 0.8 0.8	1.6 0.7 0.9
6-10B	HORTONVILLE HnC2	9	FCD-FCD-None-None-FCD-FCD-None-None	5	Total Particulate Soluble	9.5 8.4 1.1	6.2 5.0 1.2	2.9 1.9 1.0	2.7 1.6 1.0	8.0 7.6 0.5	5.0 4.5 0.5	2.7 1.9 0.8	2.6 1.6 1.0



Field Name	Soil Series & Symbol (critical)	Slope	Tillage	Rot Avg PI	PI	2016	2017	2018	2019	2020	2021	2022	2023
6-11	HORTONVILLE HrC2	9	FCD-FCD-None-None-FCD-FCD-None-None	5	Total Particulate Soluble	8.5 7.5 1.1	5.6 4.5 1.1	2.8 1.7 1.1	2.6 1.5 1.1	7.0 6.6 0.4	4.4 4.0 0.4	2.4 1.7 0.7	2.3 1.5 0.8
6-13D+E	HORTONVILLE HnB	4	FCD-FCD-None-None-FCD-FCD-None-None	2	Total Particulate Soluble	2.8 2.5 0.3	2.0 1.7 0.3	1.3 0.7 0.6	1.2 0.6 0.6	2.8 2.5 0.3	1.9 1.5 0.3	1.3 0.7 0.6	1.3 0.6 0.7
6-13F	HORTONVILLE HrC2	9	FCD-FCD-None-None-FCD-FCD-None-None	5	Total Particulate Soluble	8.5 7.5 1.0	5.6 4.5 1.0	3.3 1.8 1.5	3.0 1.5 1.5	7.0 6.7 0.3	4.3 4.0 0.4	2.3 1.7 0.6	2.2 1.5 0.7
6-13G	HORTONVILLE HrC2	9	FCD-FCD-None-None-FCD-FCD-None-None	4	Total Particulate Soluble	8.3 7.3 0.9	5.5 4.5 1.0	2.5 1.7 0.8	2.2 1.4 0.8	6.8 6.5 0.2	4.2 3.9 0.3	2.2 1.6 0.5	2.1 1.4 0.6
6-13H	HORTONVILLE HrC2	9	FCD-FCD-None-None-FCD-FCD-None-None	4	Total Particulate Soluble	8.3 7.3 0.9	5.5 4.5 1.0	2.3 1.7 0.7	2.1 1.4 0.7	6.8 6.5 0.2	4.2 3.9 0.3	2.2 1.6 0.5	2.1 1.4 0.6
6-13I	HORTONVILLE HrC2	9	FCD-FCD-None-None-FCD-FCD-None-None	4	Total Particulate Soluble	8.3 7.3 0.9	5.5 4.5 1.0	2.2 1.6 0.5	2.0 1.4 0.6	6.8 6.5 0.2	4.2 3.9 0.3	2.2 1.6 0.5	2.1 1.4 0.6
6-3A	HORTONVILLE HnB	4	FCD-FCD-None-None-FCD-FCD-None-None	3	Total Particulate Soluble	4.5 3.9 0.6	3.1 2.5 0.7	2.1 1.0 1.0	1.9 0.9 1.0	4.6 4.0 0.6	3.0 2.3 0.7	2.1 1.0 1.0	2.1 0.9 1.1
6-3B	HORTONVILLE HnB	4	FCD-FCD-None-None-FCD-FCD-None-None	2	Total Particulate Soluble	3.2 2.8 0.4	2.3 1.8 0.5	1.5 0.8 0.8	1.4 0.7 0.8	3.2 2.8 0.4	2.2 1.7 0.5	1.5 0.7 0.8	1.5 0.7 0.9
7A/B/C	HORTONVILLE HnB	4	FCD-FCD-None-None-FCD-FCD-None-None	2	Total Particulate Soluble	3.9 3.1 0.9	2.8 1.9 0.9	2.5 0.8 1.7	2.4 0.7 1.7	3.1 2.8 0.3	2.0 1.7 0.3	1.3 0.7 0.5	1.3 0.7 0.6

Field Name	Soil Series & Symbol (critical)	Slope	Tillage	Rot Avg PI	PI	2016	2017	2018	2019	2020	2021	2022	2023
9	HORTONVILLE HnB	4	FCD-FCD-None-None- FCD-FCD-None-None	3	Total Particulate Soluble	3.9 3.0 0.9	2.8 1.8 1.0	2.6 0.8 1.8	2.5 0.7 1.8	3.1 2.7 0.3	2.1 1.7 0.4	1.4 0.7 0.6	1.4 0.7 0.7



## PRE CONSTRUCTION P OUTPUT (Based on BARNY)

Farmer: D&D Beyer

Planner/Designer: DM

Date: \_\_\_\_\_

	Input	Output	
Closest City of similar climate:	2		1 Madison 2 Appleton 3 Wausau 4 Eau Claire
Paved lot area:	11,220	sq ft	
Earth lot area:	0	sq ft	
Animal Lot size:		11,220	sq ft
Is there a designed settling basin?	1		Yes= 1; No= 2
Animals on lot:	75 number	75 number	
Type of animal:	1		( Dairy = 1; Beef=2 )
Ave. Animal Weight:	600 lbs	350 lbs	
Lot Use:	1		1= Heavy; 2=Med; 3= Light)

### TRIBUTARY AREAS

Tributary area:  sq ft

Runoff Curve Number:

sq ft

See RCN tab below  
for typical values

Roof Trib. area:  sq ft

39.5 lbs P per year  
at downstream lot edge

### Enter Existing Buffer Data:

Length:  ft

Width:  ft

Buffer area:

Slope:  %

c value  For c values see table below

**P Output:**

28.6 lb



## PRE CONSTRUCTION P OUTPUT (Based on BARNY)

Farmer: D&D Beyer

Planner/Designer: DM

Date:

	Input	Output	
Closest City of similar climate:	2		1 Madison 2 Appleton 3 Wausau 4 Eau Claire
Paved lot area:	11,220	sq ft	
Earth lot area:	0	sq ft	
Animal Lot size:		11,220 sq ft	
Is there a designed settling basin?	1	Yes= 1; No= 2	
Animals on lot:	75 number	75 number	
Type of animal:	1		( Dairy = 1;Beef=2 )
Ave. Animal Weight:	600 lbs	350 lbs	
Lot Use:	1		1= Heavy;2=Med;3= Light)

### TRIBUTARY AREAS

Tributary area:  sq ft

Runoff Curve Number:

sq ft

See RCN tab below  
for typical values

Roof Trib. area:  sq ft

29.9 lbs P per year  
at downstream lot edge

### Enter Existing Buffer Data:

Length:  ft

Width:  ft

Buffer area:

Slope:  %

c value  For c values see table below

P Output:

lb





Imagery Date:  
April, 2015



0 100 200  
Feet



Barnyard pre construction





# Barnyard pre construction





Barnyard post construction



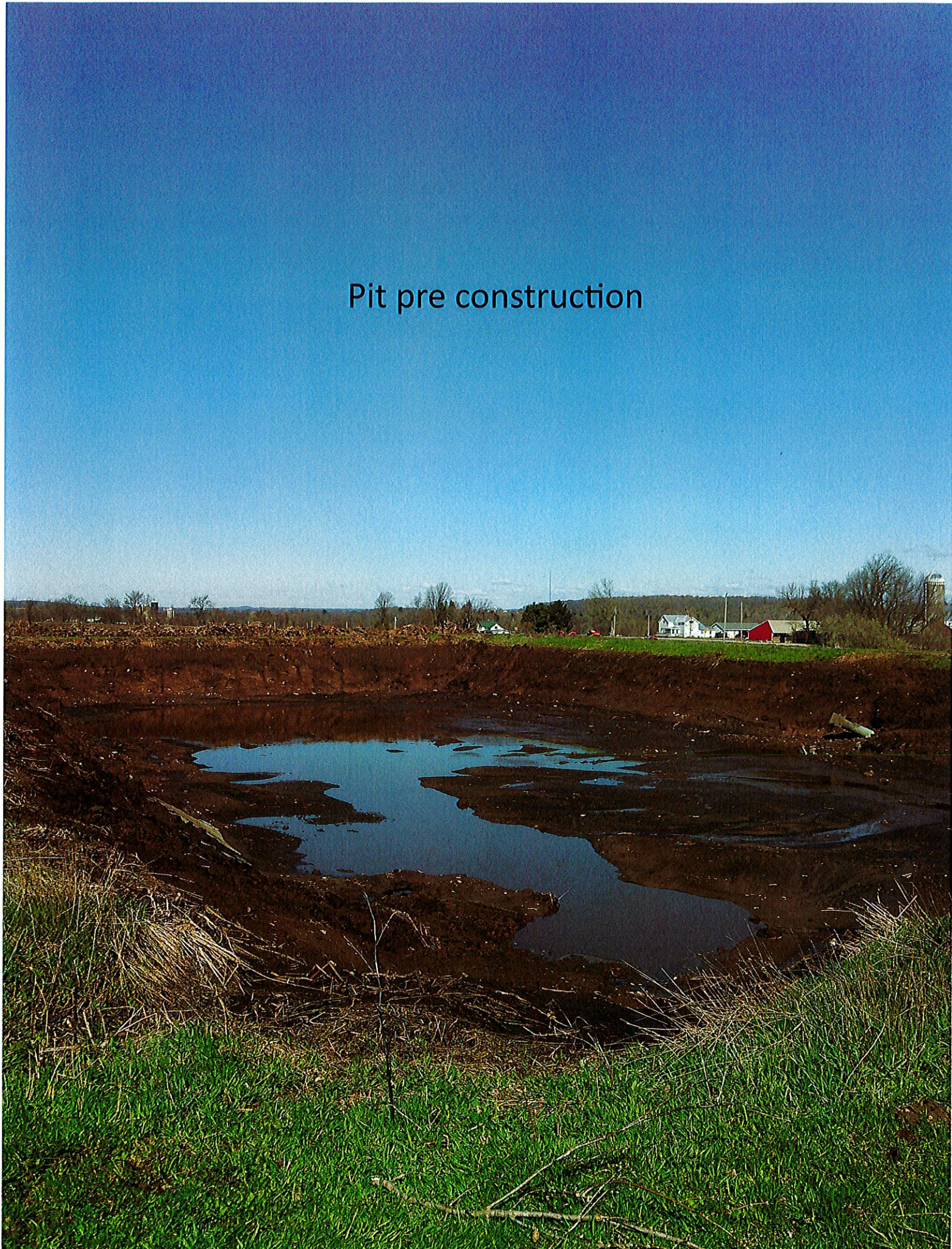


## Barnyard post construction



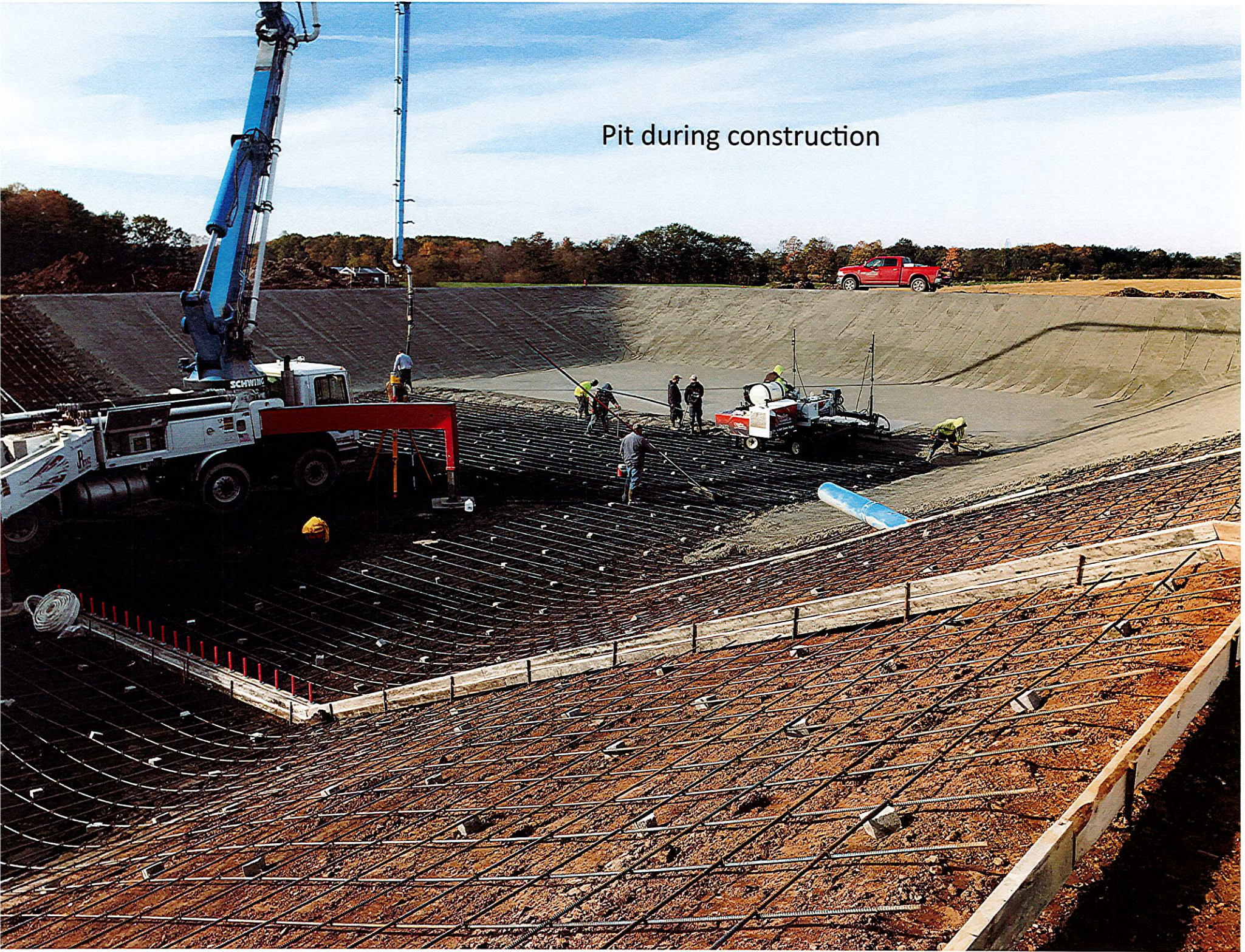


Pit pre construction



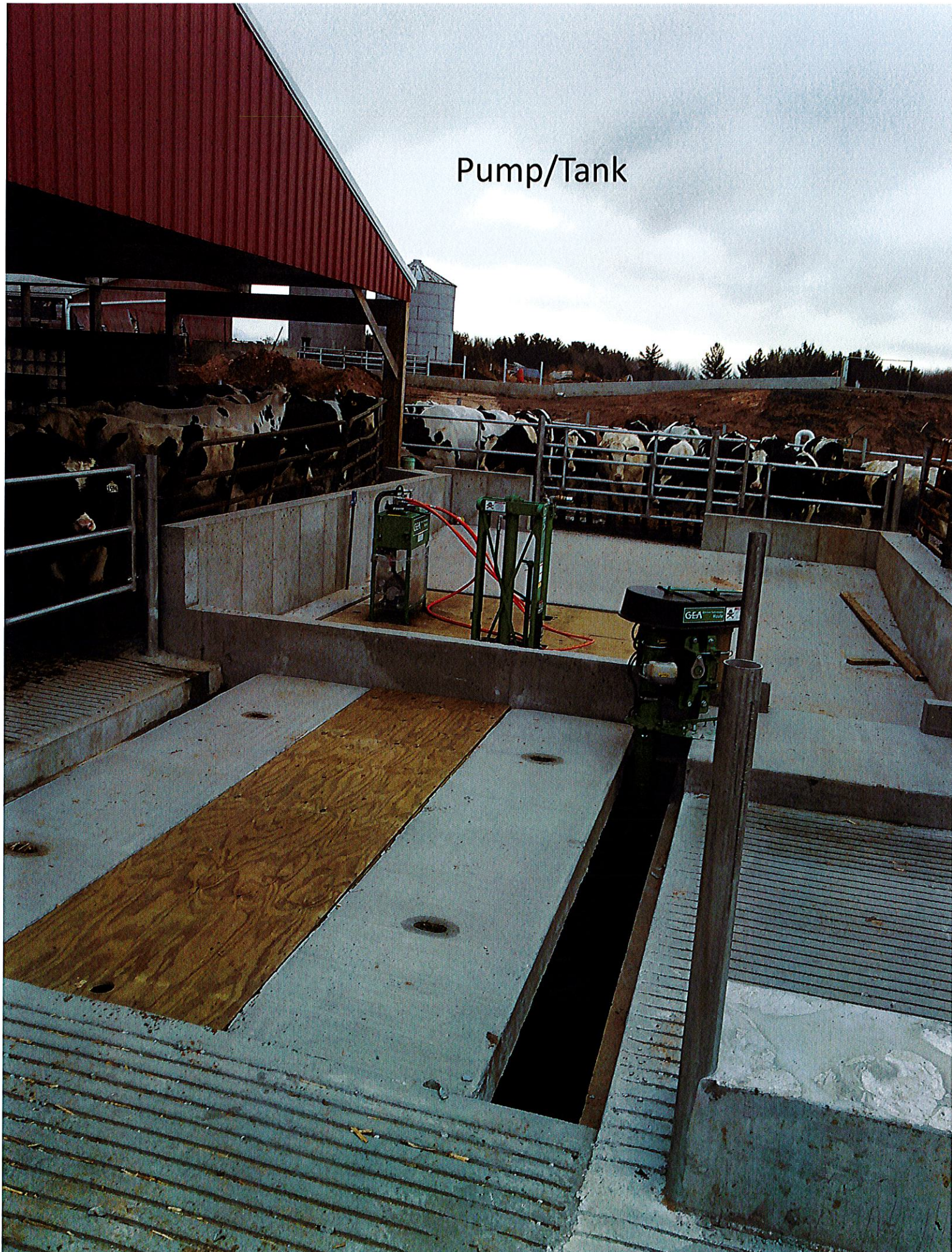


Pit during construction





Pump/Tank





## Waste Transfer

