



Dairy Nutrient Management Program - Inspection Report

Facility Information

Business Name: Snyder Farms LLC	County: Whatcom
Facility Type: Other	Region: NW
Status: Active	
AG ID No: DH_994349	CAFO Permit Status: Active
License Issue Date: 05/18/2017	Permit Type: Combined
Site Address: 1956 Hampton Road Everson, WA 98247	Permit ID: WAG994349
Mailing Address: 1956 Hampton Road Everson, WA 98247	Issue Date: 05/18/2017

Facility Contact(s)	Business	Other	Cell	Email
Operator Jeff Snyder	(360)354-1383		(360)815-0382	SnyderFarmsLLC@aol.com
Operator Suzanne Snyder	(360)354-1383		(360)815-2395	SnyderFarmsLLC@aol.com

Inspection Report

Inspection Type: Routine
Date of Inspection: 06/08/2021 **Arrival Time:** 12:35 PM **Departure Time:** 3:25 PM
WSDA Inspector(s): Michael Isensee
Other(s) Attending: Corina (WCD)

Compliance Activity

Overall Compliance In Compliance with Follow Up Required

Follow Up Activity

Recordkeeping Issues

Issue	Follow Up Date	Outstanding	Corrected	Referred
Ensure complete records as per CAFO requirements including yearly field nutrient budget. I will review the 2019 annual report submitted to Ecology next winter and meet with you if necessary.		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Application Issues

Issue	Follow Up Date	Outstanding	Corrected	Referred
Three years field 3 > 30 ppm post-harvest test. Complete 2nd foot soil sampling this September or October	1/31/2022	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

For questions about this inspection, please contact:

Michael Isensee Dairy Nutrient Management Program Senior Nutrient Management Inspector	Cell: 360-961-7412 Fax : 360-902-2000 Email: misensee@agr.wa.gov	1111 W Holly St Suite E Bellingham, WA 98504
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Technical Assistance

Technical Assistance Needed Yes No

WSDA is not referring you for Technical Assistance. However, you may contact your Conservation District if you need help with dairy systems, feed and nutrient management, or water quality best management practices. Your Conservation District offers free, confidential information to help you comply with the Dairy Nutrient Management Program requirements. A copy of this report has been provided to the CD; however you are responsible for contacting them to request their services.

Conservation District contact:
Whatcom
6975 Hannegan Road
Lynden, WA 98264
(360) 526-2387
dstranik@whatcomcd.org

Inspector Comments

Suzanne and Jeff,

Thank you for your time earlier in the week for your routine CAFO inspection. No discharge was documented. Records were in order and generally showed good agronomy.

There are a couple of tasks for you to focus on to comply with various terms of the permit. For a small facility you have done a very good job working to focus on the most important tasks (i.e. replacing your lagoon). In the coming year I encourage you to step up the following:

1. Document your operations and maintenance (O&M) as required by the permit including waterlines and manure lines (daily), roofwater diversion systems and nutrient collection systems (weekly), manure storage (weekly) and field runoff management/application setback areas (monthly). I left you a set of monthly sheets to document this O&M work. I encourage you to note each date you pump your pit to the tank and record how much change in storage volume this represents in your upright tank, then record this change in depth.
2. Collect second foot soil test in Field 3. Each year you have a soil test >30ppm, the next year you should collect this 2nd foot test. In the case of Field 3, it has exceeded 30 ppm for three consecutive years, so the permit also requires that you reduce applications to the field. I expect this year the field will show good agronomy upon its return to grass. I expect that the solids this field has been receiving each year, coupled with the organic matter level (12%) and the fact that your liquid manure has a high organic nitrogen fraction means you are seeing a high level of nitrogen mineralization. I did not review your spring **2021 nutrient budget** for this field, but I recommend talking to Mr. Haggith about it and not exceeding the maximum nitrogen to be applied as shown in the nutrient budget.

Additionally, I encourage you to consider whether it would be a worthwhile investment in risk management to install a system to divert non-manured slab runoff (and, possibly, roofwater) to an alternative treatment system. You would likely work with NRCS to design an appropriate system for your facility. An appropriate system will use settling basins and biological systems (soil, high carbon materials, or vegetation) to remove sediment, nutrients and bacteria that are present in feed runoff and tire track-out and are also coming at low levels in roofwater runoff. Reducing the amount of rainwater you collect can increase the nutrient load in your stored manure and can also reduce the risk of filling your storage structure in an unusually wet winter.

Again, thank you for your time and effort. I did not realize Field 3 had a repeat issue with nitrate-N above 30 ppm until I reviewed documents after the inspection. I will review this year's annual report (2021) in January after you have submitted it to Ecology. If increasing soil nitrate-N levels are present again this year I will schedule a follow-up with you to discuss ways to address this before next season.

Please contact me if you have any questions or if you note any errors in the report so I can correct them.

Regards,

Michael Isensee

June 10, 2021

Infrastructure

Heifer Facility		
Slurrystore Upright		

Pit 1 Pit		
Bunkers Feed	• Effluent directed to storage	We discussed possibility of modifying non-manure slab areas to direct runoff to a pit and then directing them to a biological treatment system (vegetation or a drainfield system).
Mortalities	• Rendered	
Solids Solid		

Comments:

Recordkeeping

	Y	N	NA	If "No", which years are not maintained?			
Are required application records maintained?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>				
Are required nutrient test records maintained?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>				
I failed to bring it up but be sure to collect manure tests throughout season. Last year's tests were all collected in the fall. Available nitrogen ranged from 2.4-4.3 lbs/1000 gallons. Total nitrogen was 8.1-12.7 lbs per 1000 gallons..							
Are required nutrient transfer records maintained?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>				
You report nutrient imports (separated manure solids for bedding)							

Contact info for person(s) receiving nutrients:

Last Name	First Name	Mailing Address	Mailing City	Mailing State	Mailing Zipcode	Nutrient Use	Type	Amount Exported	Amount Imported	Unit	N Analysis Amount	Analysis Unit
Visser	Jeremy	2305 Norman Rd	Stanwood	WA	98292	Other	Solids		50	ton		# N/ton
Van Berkum	Theo	8499 Nooksack Rd	Everson	WA	98247	Other	Solids		200	ton		# N/ton

Are required soil test records maintained?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>						
Collected 9/30 and 10/8 in 2020. 9/28/2019. Need 2nd foot soil test in September 2021.									
Are required irrigation records maintained?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>						
Are digestate records maintained?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>						
Are operations & maintenance records maintained?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>						
Be sure you complete all checks and show this by filling in the checkboxes (daily, weekly, monthly). During the dry months, I suggest you check tank level at beginning of each month and also determine the change in tank level each time you pump in pit, using this to document change in tank elevation. During wet weather you could use a rain gage to calculate how much rainwater is being added directly to the tank and then add the amount you pump in by tracking. This could be "ground truthed" by climbing the tank each month for a visual measurement.									
Are other records maintained?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>						
Harvest records; yields and crop uptake.									

Agronomy

1. Are all fields that receive nutrients tested? Yes No

Nitrate-Nitrogen

Farm fields are color coded according to Field Risk Level defined in the CAFO NPDES permit section S4.K Table 3 where recent soil nitrate-N values for one foot depth are elevated. Fields in yellow or red color require adaptive management actions to comply with your permit.

Elevated Levels Acceptable	Field #	Acres	2021	2020	2019	2018	2017	2016
<input type="checkbox"/>	1 Comments: OWN. 11%OM. Grass all years	14.00		19.40	14.00	11.00	11.10	
<input type="checkbox"/>	2 Comments: OWN. 14.2%OM. Grass	24.00		29.10	14.00	11.00	11.10	
<input type="checkbox"/>	3 Comments: OWN. 12%OM. 2017 Grass ->2018 Grass-> Corn -> 2019: Corn -> relay ->2020 ->Corn->grass in fall. Field receiving solids each year (2018-2020).	29.00		30.20	39.00	38.90	8.00	
<input type="checkbox"/>	4 Comments: Leased. Converted to berries in 2018.	47.00					3.30	
<input type="checkbox"/>	5 Comments: did not lease 2018-2020. Leasing south 12 acres in 2021.	24.00					5.10	
<input type="checkbox"/>	6 Comments: Leased. 16.7%OM. Grass. No 2017 or 2019 applications. Plowed sod in 2018 and planted corn. Only used commercial in 2018.	12.00		20.40		83.10	9.70	

Phosphorus

	Field #	Acres	2021	2020	2019	2018	2017	2016
	1	14.00		134.00	107.00		52.00	142.00
	2	24.00		218.00	107.00		52.00	142.00
	3	29.00		125.00	145.00		118.00	225.00
	4	47.00					67.00	
	5	24.00					54.00	
	6	12.00			25.00		37.00	

Comments:

Nutrient Management Plan Information

1. Does the farm have a nutrient management plan (NMP)? Yes No
2. Is the NMP on site? Yes No
3. Are animal numbers based on revised WSP? Yes No

Land for Nutrient Application	NMP #	Current #
Acres Owned	67.00	67.00
Acres Leased or Rented	84.00	25.00
Total	151	92

Livestock (Dairy)	A#-NMP	A#-Current
Milking Cows	0	0
Dry Cows	0	0
Heifers (6 mos - fresh)	300	340
Calves (0 - 6 mos)	100	160
Total animals on site	400	500

Comments:

Application Assessment N/A