DEPARTMENT OF ECOLOGY
State of Washington

APPENDIX B: ANNUAL REPORT FORM
Concentrated Animal Feeding Operation (CAFO) General Permit

Reporting Year: 2017	**Reporting Period:** January 1 to December 31

I. Permit Information

Permit Number:	Facility Name: **Snydar Farms LLC**
Permittee Name:	

II. Contact Information (fill out if different from I. Permittee Information above)

Name: **Jeff &Suzzi Snydar**	Email:
Phone: **360-354-1383**	Cell Phone (*optional*):

III. Operation Information

Provide the maximum number of each type of animals at your facility for the year.

- ☐ Dairy Cows: _____
- ☑ Dairy Heifers: **400**
- ☐ Veal Calves: _____
- ☐ Beef: _____
- ☐ Swine
  - ≥55 pounds: _____
  - < 55pounds: _____
- ☐ Other: _____
- ☐ Sheep or Lambs: _____
- ☐ Turkeys: _____
- ☐ Ducks: _____
- ☐ Horses: _____
- ☐ Chickens
  - Broilers: _____
  - Layers: _____

Generated by CAFO (Specify units: tons, gallons, or ft^3)	☑ Manure: Liquid: **2327120 gallons including rainwater** ☑ Solid: **945 cubic yards including lagoon decommissioning** ☐ Poultry Litter: _____ ☐ Other Organic By-Products: _____ ☐ Process Wastewater: _____ ☐ Digestate: _____
Exported by CAFO (Specify units: tons, gallons, or ft^3)	☐ Manure: Liquid: _____ Solid: _____ ☐ Poultry Litter: _____ ☐ Other Organic By-Products: _____ ☐ Process Wastewater: _____ ☐ Digestate: _____

Total number of acres **available** for land application **included in** your MPPP: **135.6 (acres outside buffers)**

Total acres **you control** used for land application in the past year: **135.6**

Discharges

During the year, has manure, litter, process waste, or process wastewater discharged from your production area or land application fields? ☐ Yes / ☒ No

(NOTE: if you are covered by the Combined Permit, do not include discharges of agricultural stormwater here.)

If **YES**, provide a summary of the approximate date, time, volume and duration of the discharge(s). Summarize your response to the discharge(s). If necessary, attach a separate sheet of paper for additional space.

Adaptive Management Risk Level High or Very High

Document the reason(s) a land application field fall soil nitrate tests for a single year result in the field being at a risk level or high or very high. Identify which field the documentation applies to. If necessary, attach a separate sheet of paper for additional space.

NONE

IV. Nutrient Source Content Analysis (Print additional copies of this page if you have more nutrient sources than space provided)

Nutrient Source Name	Nutrient Content					
		(NH_3/NH_4)	(NO_3/NO_2)	Phosphorus	Units	% OM
LAGOON	1st Analysis	3.00			☐ PPM ☑ Lbs/1000gallons	
	2nd Analysis	0.89	-	1.12	☐ PPM ☑ Lbs/1000gallons	1.61
	3rd Analysis				☐ PPM ☐ (fill in)	
LAGOON CLEANINGS	1st Analysis	0.04	0.53	1.4	☐ PPM ☑ Lbs/ton	38.32
	2nd Analysis				☐ PPM ☐ (fill in)	
	3rd Analysis				☐ PPM ☐ (fill in)	
	1st Analysis				☐ PPM ☐ (fill in)	
	2nd Analysis				☐ PPM ☐ (fill in)	
	3rd Analysis				☐ PPM ☐ (fill in)	
	1st Analysis				☐ PPM ☐ (fill in)	
	2nd Analysis				☐ PPM ☐ (fill in)	
	3rd Analysis				☐ PPM ☐ (fill in)	
	1st Analysis				☐ PPM ☐ (fill in)	
	2nd Analysis				☐ PPM ☐ (fill in)	
	3rd Analysis				☐ PPM ☐ (fill in)	
	1st Analysis				☐ PPM ☐ (fill in)	
	2nd Analysis				☐ PPM ☐ (fill in)	
	3rd Analysis				☐ PPM ☐ (fill in)	

V. Field Land Application Information (Print one copy of this page for each of your fields)

Field ID: 1&2	Action Level: Low	Crop Grown: Grass	Crop Yield (provide units): 13.83Tons/acre

Field Soil Sample Nutrient Analysis

	NH_3/NH_4 as N		NO_3/NO_2 as N		Phosphorus as P	Units	% OM
Soil Profile Depth	**Spring**	**Fall**	**Spring**	**Fall**	**Fall**		**Fall**
1st Foot		**14.4**		**11.1**	**52**	☑ PPM ☐ Lbs/Acre	**8.9**
2nd Foot (if required)						☐ PPM ☐ Lbs/Acre	
3rd Foot (if required)						☐ PPM ☐ Lbs/Acre	

Date of last Organic Matter (OM) Analysis: **9/22/17**

Date of last Phosphorus Analysis: **9/22/17**

Nutrient Sources Applied to Field

Nutrient Source Applied (List all sources of nutrients including commercial fertilizer that were applies to this field. Source name must match Nutrient Source Name from section IV)	**Total Amount Applied**
LAGOON	688675 ☑ Gallons ☐ Tons ☐ Ft^3
PIT	250250 ☑ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3

V. Field Land Application Information (Print one copy of this page for each of your fields)

Field ID: 3	Action Level: Low	Crop Grown: Grass	Crop Yield (provide units): 15.76Tons/acre

Field Soil Sample Nutrient Analysis

	NH_3/NH_4 as N		NO_3/NO_2 as N		Phosphorus as P	Units	% OM
Soil Profile Depth	**Spring**	**Fall**	**Spring**	**Fall**	**Fall**		**Fall**
1st Foot		**18.9**		**8.0**	**118**	☑ PPM ☐ Lbs/Acre	**11**
2nd Foot (if required)						☐ PPM ☐ Lbs/Acre	
3rd Foot (if required)						☐ PPM ☐ Lbs/Acre	

Date of last Organic Matter (OM) Analysis: **9/22/17**

Date of last Phosphorus Analysis: **9/22/17**

Nutrient Sources Applied to Field

Nutrient Source Applied (List all sources of nutrients including commercial fertilizer that were applies to this field. Source name must match Nutrient Source Name from section IV)	**Total Amount Applied**	
LAGOON	659 562	☑ Gallons ☐ Tons ☐ Ft^3
PIT	219 450	☑ Gallons ☐ Tons ☐ Ft^3
SOLIDS	9102	☐ Gallons ☐ Tons ☑ Ft^3
LAGOON CLEANINGS	16 428	☐ Gallons ☐ Tons ☑ Ft^3
		☐ Gallons ☐ Tons ☐ Ft^3
		☐ Gallons ☐ Tons ☐ Ft^3
		☐ Gallons ☐ Tons ☐ Ft^3

V. Field Land Application Information (Print one copy of this page for each of your fields)

Field ID: 4	Action Level: Low	Crop Grown: Grass	Crop Yield (provide units): 14.99Tons/acre

Field Soil Sample Nutrient Analysis

Soil Profile Depth	NH_3/NH_4 as N		NO_3/NO_2 as N		Phosphorus as P	Units	% OM
	Spring	**Fall**	**Spring**	**Fall**	**Fall**		**Fall**
1st Foot		**10.7**		**3.3**	**67**	☑ PPM ☑ Lbs/Acre	**10.3**
2nd Foot (if required)						☐ PPM ☐ Lbs/Acre	
3rd Foot (if required)						☐ PPM ☐ Lbs/Acre	

Date of last Organic Matter (OM) Analysis: **9/22/17**

Date of last Phosphorus Analysis: **9/22/17**

Nutrient Sources Applied to Field

Nutrient Source Applied (List all sources of nutrients including commercial fertilizer that were applies to this field. Source name must match Nutrient Source Name from section IV)	**Total Amount Applied**
LAGOON	482000 ☑ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3

V. Field Land Application Information (Print one copy of this page for each of your fields)

Field ID: 5 South	Action Level: Low	Crop Grown: Grass	Crop Yield (provide units): 14.99Tons/acre

Field Soil Sample Nutrient Analysis

	NH_3/NH_4 as N		NO_3/NO_2 as N		Phosphorus as P	Units	% OM
Soil Profile Depth	**Spring**	**Fall**	**Spring**	**Fall**	**Fall**		**Fall**
1st Foot		**12**		**5.1**	**54**	☑ PPM ☐ Lbs/Acre	**9.5**
2nd Foot (if required)						☐ PPM ☐ Lbs/Acre	
3rd Foot (if required)						☐ PPM ☐ Lbs/Acre	

Date of last Organic Matter (OM) Analysis: **9/22/17**

Date of last Phosphorus Analysis: **9/22/17**

Nutrient Sources Applied to Field

Nutrient Source Applied (List all sources of nutrients including commercial fertilizer that were applies to this field. Source name must match Nutrient Source Name from section IV)	**Total Amount Applied**
LAGOON	27148 ☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3

V. Field Land Application Information (Print one copy of this page for each of your fields)

Field ID: 5 North	Action Level: Medium	Crop Grown: Corn	Crop Yield (provide units): 21.74Tons/acre

Field Soil Sample Nutrient Analysis

	NH_3/NH_4 as N		NO_3/NO_2 as N		Phosphorus as P	Units	% OM
Soil Profile Depth	**Spring**	**Fall**	**Spring**	**Fall**	**Fall**		**Fall**
1st Foot		**14.4**		**11.1**	**58**	☑ PPM ☐ Lbs/Acre	**8.5**
2nd Foot (if required)						☐ PPM ☐ Lbs/Acre	
3rd Foot (if required)						☐ PPM ☐ Lbs/Acre	

Date of last Organic Matter (OM) Analysis: **9/29/16**

Date of last Phosphorus Analysis: **9/29/16**

Nutrient Sources Applied to Field

Nutrient Source Applied (List all sources of nutrients including commercial fertilizer that were applies to this field. Source name must match Nutrient Source Name from section IV)	**Total Amount Applied**
LAGOON	79276 ☑ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3

V. Field Land Application Information (Print one copy of this page for each of your fields)

Field ID: 6	**Action Level: Low**	**Crop Grown: Grass**	**Crop Yield (provide units): 12Tons/acre**

Field Soil Sample Nutrient Analysis

	NH_3/NH_4 as N		NO_3/NO_2 as N		Phosphorus as P	Units	% OM
Soil Profile Depth	**Spring**	**Fall**	**Spring**	**Fall**	**Fall**		**Fall**
1st Foot		**10.7**		**9.7**	**37**	☑ PPM ☐ Lbs/Acre	**12**
2nd Foot (if required)						☐ PPM ☐ Lbs/Acre	
3rd Foot (if required)						☐ PPM ☐ Lbs/Acre	

Date of last Organic Matter (OM) Analysis: **9/30/17**

Date of last Phosphorus Analysis: **9/30/17**

Nutrient Sources Applied to Field

Nutrient Source Applied (List all sources of nutrients including commercial fertilizer that were applies to this field. Source name must match Nutrient Source Name from section IV)	**Total Amount Applied**
NONE APPLIED	☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3
	☐ Gallons ☐ Tons ☐ Ft^3

VI. Certification

"I certify under penalty of law, that this document and all attachments were prepared und supervision in accordance with a system designed to assure that qualified personnel prop evaluated the information submitted. Based on my inquiry of the person or persons who m those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Printed Name: Jeff Snyder	Date: 2-1-18
Signature:	

NOTE: Be sure to include your yearly nutrient budget for each of your fields including the budget for a double crop or winter cover crop (if applicable) **with your completed Annual Report Form**.

N3 Consulting

PO Box 850, Lynden WA 98264

Phone: (360) 815-4851 Fax: (360) 592-0343 Email: david@n3consulting.com

Because crops need feeding too!

Test date 9/29/2016

Farm Name **Snydar Farms**

		Soil Test Results				Nitrogen Estimations			Requirement	Application
Field	**Lab #**	**NO3N**	**NH4N**	**P**	**OM**	**Available N**	**N from OM**	**Crop**	**5 year ave**	**N Plan**
1&2	26691	6	17.9	142	6.9	30	104	**Grass**	275	**172**
3	26692	16.5	16.9	225	11.5	30	173	**Grass**	275	**103**
4	26693	5.5	17	88	11.4	30	171	**Grass**	300	**129**
5 Corn	26694	3.5	13.3	58	8.5	30	128	**Corn**	207	**80**
5 Grass	26694	3.5	13.3	58	8.5	30	128	**Grass**	250	**123**
6						30	180	**Grass**	225	**45**

Notes:

Due to mid season start of the permit, spring soil tests were not taken, Available N was estimated

Application N Plan is the planned maximum N to be appied from manure and commercial fertilizer sources