



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, ID 83706 • (208) 373-0502
www.deq.idaho.gov

Brad Little, Governor
Jess Byrne, Director

October 1, 2020

Ray Robision, Reed Gibby, Kevin Schroeder
Nature Ridge Organic Dairy
2958 E 300 N
American Falls, ID 83211

RE: Permit by Rule Registration Notification-PR-2020.0034

Dear Messrs. Robision, Gibby, and Schroeder:

The Department of Environmental Quality (DEQ) received a Permit by Rule Registration form for a dairy farm from Nature Ridge Organic Dairy on September 8, 2020. The registration contains the following information:

1. Ray Robision, Reed Gibby, and Kevin Schroeder
Nature Ridge Organic Dairy
2958 E 300 N, American Falls, ID 83211
(208) 261-3379
2. NUMBER OF COWS: 0 OR ANIMAL UNITS: 4,175
3. PERCENTAGE OF FARM THAT IS DRY LOT: 20%
FREESTALL SCRAPE: 0, FREESTALL FLUSH: 80%
4. TOTAL BEST MANAGEMENT PRACTICES (BMPs) POINTS REGISTERED: 29
(Minimum 27 points required)

Your registration for Permit by Rule is in our files. We recommend that you maintain a copy of this letter and a copy of the enclosed registration form for your records. Additional information and guidance regarding your permit is available at:

<http://www.deq.idaho.gov/>

Please be advised that you must comply with Section 764 of the Rules for the Control of Ammonia from Dairy Farms by employing the requisite point total of BMPs. These Rules are located within the Rules for the Control of Air Pollution in Idaho. You can download a copy of the rules by visiting the rules page on DEQ's web site at:

<http://www.deq.idaho.gov/>

Please be advised that the state of Idaho intends to conduct a qualifying inspection of your dairy farm within 30 days to ensure the requisite point total of BMPs are employed.

If you have any questions regarding this letter or the Rules for the Control of Ammonia from Dairy Farms, please do not hesitate to contact Mike Simon, Stationary Source Bureau Chief, Department of Environmental Quality, at (208) 373-0502. Questions regarding inspections should be directed to Mitchell Vermeer, Dairy Bureau Chief, Idaho State Department of Agriculture, at (208) 332-8551.

Sincerely,

A handwritten signature in black ink that reads "Mike Simon". The signature is written in a cursive, flowing style.

Mike Simon, Stationary Source Bureau Chief
Air Quality Division

MS/syc

Enclosure

cc: Mitchell Vermeer, ISDA, mitchell.vermeer@isda.idaho.gov

IDAHO DEPARTMENT OF AGRICULTURE
 BUREAU OF DAIRYING
 PO BOX 7249
 BOISE ID 83707-9953 (208) 332-8550

**DAIRY AMMONIA
 REGISTRATION FORM**
 IDAPA 58.01.01.763

IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY
 1410 NORTH HILTON
 BOISE ID 83706 (208) 373-0502

DEQ Form #AQ-F-P019 (5-30-06)

DAIRY NAME: Nature Ridge Organic Dairy DATE: 8/27/20
 OWNER NAME: Ray Robison, Reed Gibby, Kevin Schroeder
 STREET ADDRESS: 2958 E 300 N CITY: American Falls
 MAILING ADDRESS (if different from Street Address): 2958 E 300 N CITY: American Falls
 TELEPHONE: 208-261-3379
 NUMBER OF COWS _____ OR ANIMAL UNITS: 4,175
 WHAT PERCENTAGE OF YOUR FARM IS: DRYLOT 20% FREESTALL/SCRAPE _____ FREESTALL/FLUSH 80%

		<i>Ammonia Control Effectiveness¹</i>					
<i>System/ Component</i>	<i>BMP Employed</i>	<i>Open Lot</i>	<i>Freestall Scrape</i>	<i>Freestall Flush</i>	<i>Compliance Method²</i>	<i>BMP Points</i>	
Mark below the BMPs you employ to total 27 points (For an explanation of BMPs, see the Fact Sheet at http://www.deq.idaho.gov/air/permits_forms/permitting/pbr_dairies.cfm).							
1. Waste Storage and Treatment							
a	Synthetic Lagoon Cover	<input type="checkbox"/>	15	20	20	1	
b	Geotextile Covers	<input type="checkbox"/>	10	13	13	1	
c	Solids Separation	<input type="checkbox"/>	3	3	3	3, 4	3
d	Composting	<input type="checkbox"/>	4	4	4	1	4
e	Separate Slurry and Liquid Manure Basins	<input type="checkbox"/>	6	10	-	1	
f	In-House Separation	<input type="checkbox"/>	0	12	0	1	
g	Direct Utilization of Collected Slurry	<input type="checkbox"/>	6	10	-	1, 3, 4	
h	Direct Utilization of Parlor Wastewater	<input type="checkbox"/>	10	10	10	1	
i	Direct Utilization of Flush Water	<input type="checkbox"/>	8	0	13	3, 4	10.4
j	Aerated Lagoon	<input type="checkbox"/>	10	12	15	2	
k	Sequencing-Batch Reactor	<input type="checkbox"/>	15	20	20	2	
l	Zeolite Addition to Liquid Manure	<input type="checkbox"/>	4	5	6	2	
m	Lagoon Nitrification/Denitrification Systems	<input type="checkbox"/>	15	20	20	2	
n	Fixed-Media Aeration Systems	<input type="checkbox"/>	15	20	20	2	
2. General Practices							
a	Vegetative or Wooded Buffers (established)	<input type="checkbox"/>	7	7	7	1	
b	Vegetative or Wooded Buffers (establishing)	<input type="checkbox"/>	2	2	2	1	
3. Freestall Barns							
a	Scrape Built Up Manure	<input type="checkbox"/>	-	3	3	1	2.4
b	Frequent Manure Removal	<input type="checkbox"/>	UD	UD	UD	-	
c	Tunnel Ventilation w/Biofilters	<input type="checkbox"/>	-	10	10	1	
d	Tunnel Ventilation w/Washing wall	<input type="checkbox"/>	-	10	10	3, 4	
4. Open Lots and Corrals							
a	Rapid Manure Removal	<input type="checkbox"/>	4	2	2	1, 2	0.8
b	Corral Harrowing	<input type="checkbox"/>	4	2	2	1	
c	Surface Amendments	<input type="checkbox"/>	10	5	5	2	
d	In-Corral Composting / Stockpiling	<input type="checkbox"/>	4	2	2	1	
e	Summertime Deep Bedding	<input type="checkbox"/>	10	5	5	1	
5. Animal Nutrition							
a	Manage Dietary Protein	<input type="checkbox"/>	2	2	2	2	2
6. Composting Practices							
a	Alum Incorporation	<input type="checkbox"/>	12	8	6	2	
b	Zeolite Incorporation	<input type="checkbox"/>	12	8	6	2	
c	Carbon:Nitrogen Ratio (C:N) Ratio Manipulation	<input type="checkbox"/>	10	7.5	5	2	
d	Composting Static Pile	<input type="checkbox"/>	6	4.5	3	1	
e	Forced Aeration Composting	<input type="checkbox"/>	10	7.5	5	1	
f	Forced Aeration Composting w/ Biofilter	<input type="checkbox"/>	12	8	6	1	
7. Land Application²							
a	Soil Injection - Slurry	<input type="checkbox"/>	10	15	7.5	2	
b	Incorporation of manure within 24 hrs	<input type="checkbox"/>	10	10	10	2	
c	Incorporation of manure within 48 hrs	<input type="checkbox"/>	5	5	5	2	
d	Nitrification of lagoon effluent	<input type="checkbox"/>	10	10	15	3, 4	
e	Low Energy/Pressure Application Systems	<input type="checkbox"/>	7	7	10	1	
f	Freshwater Dilution	<input type="checkbox"/>	5	8	8	1, 2	6.4
g	Pivot Drag Hoses	<input type="checkbox"/>	8	8	10	1	
h	Subsurface Drip Irrigation	<input type="checkbox"/>	10	10	12	1	
Producer must have at least 27 points for compliance						BMP TOTAL	29

Notes:

1. The ammonia emission reduction effectiveness of each practice is rated numerically based on practical year-round implementation. Variations due to seasonal practices and expected weather conditions have been factored into these ratings. Not implementing a BMP when it is not practicable to do so, does not reduce the point value assigned to the BMP, nor does it constitute failure to perform the BMP. UD indicates that the practice is still under development.
2. Land application practices assume practice is conducted on all manure; points will be pro-rated to reflect actual waste treatment; points can be obtained on exported material with sufficient documentation.
3. Method used by inspector to determine compliance:
 1. = Observation by Inspector
 2. = On-Site Recordkeeping Required
 - 3, 4 = Deviation Reporting Required. Equipment upsets and/or breakdowns shall be recorded in a deviation log and if repaired in a reasonable timeframe does not constitute non-compliance with this rule.

I certify that the statements and information contained herein are true, accurate and complete to the best of my knowledge and belief.

Producer Signature

Sadie B. Clark

Within thirty (30) days receipt of this registration, the state of Idaho will conduct a qualifying inspection to ensure the requisite point total of BMPs are employed.

Instructions:

Note:

Two copies of this form are required. Send one copy of completed form to ISDA and one copy of completed form to DEQ at the following addresses:

Idaho State Department of Agriculture
Bureau of Dairying
Attn: Mitch Vermeer
P. O. Box 7249
Boise, ID 83707-9953

Idaho Department of Environmental Quality
Stationary Source Program
Attn: Mike Simon
1410 N. Hilton
Boise, ID 83706

1. Provide identifying information (dairy name, owner, address, city).
2. Fill in date form is submitted.
3. Provide information on number of cows or animal units.
4. Indicate what percentage of your farm is drylot, freestall/scrape, and/or freestall/flush.
5. Check BMPs employed and indicate corresponding points attained for each. ***A total of 27 points are required for compliance.***
6. Sign form.
7. Send completed form to ISDA and DEQ at addresses listed above.

Questions?

Contact Mike Simon, Idaho Department of Environmental Quality, at (208) 373-0502 or michael.simon@deq.idaho.gov.