



STATE OF IDAHO  
DEPARTMENT OF  
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, Idaho 83706 • (208) 373-0502

C.L. "Butch" Otter, Governor  
Curt Fransen, Director

March 28, 2014

Dirk Reitsma  
329 S 417 E  
Paul, ID 83347

RE: Permit by Rule Registration Notification-PR-2014.0007 Project 61340

Dear Mr. Reitsma:

The Department of Environmental Quality (DEQ) received a Permit by Rule Registration form for a dairy farm from Sunrise Organic Dairy on March 17, 2014. The registration contains the following information:

1. Dirk Reitsma  
Sunrise Organic Dairy  
2800 E 303 S  
Paul, ID 83347  
208-733-5235
2. NUMBER OF COWS: 4853 OR ANIMAL UNITS: 0
3. PERCENTAGE OF FARM THAT IS DRY LOT: 50  
FREESTALL SCRAPE: 0, FREESTALL FLUSH: 50
4. TOTAL BEST MANAGEMENT PRACTICES (BMPs) POINTS REGISTERED: 30  
(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/air/permits\\_forms/permitting/pbr\\_dairies.cfm](http://www.deq.idaho.gov/air/permits_forms/permitting/pbr_dairies.cfm)

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/rules/admin\\_rules.cfm](http://www.deq.idaho.gov/rules/admin_rules.cfm).

Sunrise Organic Dairy, Paul  
March 27, 2014  
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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 Program Manager, Department of Environmental Quality, at (208) 373-0502. Questions regarding inspections should be directed to Marv Patten, Bureau Chief, Idaho State Department of Agriculture, at (208) 332-8550.

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Simon". The signature is written in a cursive, flowing style.

Mike Simon, Stationary Source Manager  
Air Quality Division

MS/tc

Enclosure

cc: Marv Patten, ISDA

IDAHO DEPARTMENT OF AGRICULTURE  
 BUREAU OF DAIRYING  
 PO BOX 790  
 BOISE ID 83701-0790 (208) 332-8550

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

DAIRY AMMONIA  
 REGISTRATION FORM  
 IDAPA 58.01.01.763

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

DAIRY NAME: Sunrise Organic Dairy DATE: 3-15-14  
 OWNER NAME: Dave Reyscha  
 STREET ADDRESS: 2800 E 355 S CITY: Paul  
 MAILING ADDRESS (if different from Street Address): 329 S 417 E CITY: Jerome  
 TELEPHONE: 208 755 5235  
 NUMBER OF COWS: 4000 OR ANIMAL UNITS: 50  
 WHAT PERCENTAGE OF YOUR FARM IS: DRYLOT 50 FREESTALL/SCRAPE 50 FREESTALL/FLUSH     

System/Component	BMP Employed	Ammonia Control Effectiveness <sup>1</sup>			Compliance Method <sup>2</sup>	BMP Points
		Open Lot	Freestall Scrape	Freestall Flush		
Mark below the BMPs you employ to total 27 points (For an explanation of BMPs, see the Fact Sheet at <a href="http://www.deq.idaho.gov/air/permits_forms/permitting/plr_dairies.cfm">http://www.deq.idaho.gov/air/permits_forms/permitting/plr_dairies.cfm</a> )						
<b>1. Waste Storage and Treatment</b>						
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	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	
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	5	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	
<b>2. General Practices</b>						
a Vegetative or Wooded Buffer (established)	<input type="checkbox"/>	7	7	7	1	
b Vegetative or Wooded Buffers (establishing)	<input type="checkbox"/>	2	2	2	1	
<b>3. Freestall Barns</b>						
a Scrape Built Up Manure	<input type="checkbox"/>	-	3	3	1	2
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	
<b>4. Open Lots and Corrals</b>						
a Rapid Manure Removal	<input type="checkbox"/>	4	2	2	1,2	
b Corral Harrowing	<input type="checkbox"/>	4	2	2	1	3
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	
<b>5. Animal Nutrition</b>						
a Manage Dietary Protein	<input type="checkbox"/>	2	2	2	2	2
<b>6. Composting Practices</b>						
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	4
d Composting Static Pile	<input type="checkbox"/>	6	3.5	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	
<b>7. Land Application<sup>3</sup></b>						
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 System	<input type="checkbox"/>	7	7	10	1	7
f Freshwater Dilution	<input type="checkbox"/>	5	8	8	1,2	
g Pivot Drip Hoses	<input type="checkbox"/>	8	8	10	1	
h Subsurface Drip Irrigation	<input type="checkbox"/>	10	10	12	1	
<b>Producer must have at least 27 points for compliance</b>					<b>BMP TOTAL</b>	<b>30</b>

Notes:

- 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.
- 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.
- Method used by inspector to determine compliance:
  - = Observation by Inspector
  - = On-Site Recordkeeping Required

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

Producer Signature [Signature]