

IDAHO DEPARTMENT OF AGRICULTURE  
 BUREAU OF DAIRYING  
 PO BOX 790  
 BOISE ID 83701-0790 (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: \_\_\_\_\_ DATE: \_\_\_\_\_  
 OWNER NAME: \_\_\_\_\_  
 STREET ADDRESS: \_\_\_\_\_ CITY: \_\_\_\_\_  
 MAILING ADDRESS (if different from Street Address): \_\_\_\_\_ CITY: \_\_\_\_\_  
 TELEPHONE: \_\_\_\_\_  
 NUMBER OF COWS \_\_\_\_\_ OR ANIMAL UNITS: \_\_\_\_\_  
 WHAT PERCENTAGE OF YOUR FARM IS: DRYLOT \_\_\_\_\_ FREESTALL/SCRAPE \_\_\_\_\_ FREESTALL/FLUSH \_\_\_\_\_

**Ammonia Control Effectiveness<sup>1</sup>**

	<i>System/ Component</i>	<i>BMP Employed</i>	<i>Open Lot</i>	<i>Freestall Scrape</i>	<i>Freestall Flush</i>	<i>Compliance Method<sup>3</sup></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 <a href="http://www.deq.idaho.gov/air/permits_forms/permitting/pbr_dairies.cfm">http://www.deq.idaho.gov/air/permits_forms/permitting/pbr_dairies.cfm</a> ).							
<b>1.</b>	<b>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	
d	Composting	<input type="checkbox"/>	4	4	4	1	
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	
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	
<b>2.</b>	<b>General Practices</b>						
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	
<b>3.</b>	<b>Freestall Barns</b>						
a	Scrape Built Up Manure	<input type="checkbox"/>	-	3	3	1	
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.</b>	<b>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	
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.</b>	<b>Animal Nutrition</b>						
a	Manage Dietary Protein	<input type="checkbox"/>	2	2	2	2	
<b>6.</b>	<b>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	
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	
<b>7.</b>	<b>Land Application<sup>2</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 Systems	<input type="checkbox"/>	7	7	10	1	
f	Freshwater Dilution	<input type="checkbox"/>	5	8	8	1, 2	
g	Pivot Drag 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>

- 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
    - 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 \_\_\_\_\_

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: Marv Patten  
P. O. Box 790  
Boise, ID 83701-0790

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](mailto:michael.simon@deq.idaho.gov).