

Dairy Ammonia Registration Form

IDAPA 58.01.01.763

DEQ Form PBRD

1/5/2021 (v2.0)

Idaho Department of Agriculture, Dairy Bureau
PO Box 7249
Boise, ID 83707
(208) 332-8550

Idaho Department of Environmental Quality
1410 N. Hilton St.
Boise, ID 83706
(208) 373-0502

Dairy Name: Owner's Name: Dairy Address (Street/City/Zip): Mailing Address (if Different): Email: Telephone: Number of Cows: Animal Units: What Percentage of Your Farm is: Drylot %: Freestall/Scrape %: Freestall/Flush %:

			Ammonia Control Effectiveness ¹			Compliance Method ³	BMP Points
	System/Component	BMP Employed	Open Lot	Freestall Scrape	Freestall Flush		
1.	Waste Storage and Treatment						
a	Synthetic Lagoon Cover	☐	15	20	20	1	
b	Geotextile Covers	☐	10	13	13	1	
c	Solids Separation	☐	3	3	3	3, 4	
d	Composting	☐	4	4	4	1	
e	Separate Slurry and Liquid Manure Basins	☐	6	10	—	1	
f	In-House Separation	☐	0	12	0	1	
g	Direct Utilization of Collected Slurry	☐	6	10	—	1, 3, 4	
h	Direct Utilization of Parlor Wastewater	☐	10	10	10	1	
i	Direct Utilization of Flush Water	☐	8	0	13	3, 4	
j	Aerated Lagoon	☐	10	12	15	2	
k	Sequencing-Batch Reactor	☐	15	20	20	2	
l	Lagoon Nitrification/Denitrification Systems	☐	15	20	20	2	
m	Fixed-Media Aeration Systems	☐	15	20	20	2	
2.	General Practices						
a	Vegetative or Wooded Buffers (established)	☐	7	7	7	1	
b	Vegetative or Wooded Buffers (establishing)	☐	2	2	2	1	
3.	Freestall Barns						
a	Scrape Built Up Manure	☐	—	3	3	1	
b	Tunnel Ventilation w/Biofilters	☐	—	10	10	1	
c	Tunnel Ventilation w/Washing Wall	☐	—	10	10	3, 4	
4.	Open Lots and Corrals						
a	Rapid Manure Removal	☐	4	2	2	1, 2	
b	Corral Harrowing	☐	4	2	2	1	
c	Surface Amendments	☐	10	5	5	2	
d	In-Corral Composting / Stockpiling	☐	4	2	2	1	
e	Summertime Deep Bedding	☐	10	5	5	1	
5.	Animal Nutrition						
a	Manage Dietary Protein	☐	2	2	2	2	
6.	Composting Practices						
a	Alum / Zeolite Incorporation	☐	12	8	6	2	
b	Carbon:Nitrogen Ratio (C:N) Ratio Manipulation	☐	10	7.5	5	2	
c	Composting Static Pile	☐	6	4.5	3	1	
d	Forced Aeration Composting	☐	10	7.5	5	1	
e	Forced Aeration Composting w/ Biofilter	☐	12	8	6	1	
7.	Land Application²						
a	Soil Injection - Slurry	☐	10	15	7.5	2	
b	Incorporation of Manure within 24 hours	☐	10	10	10	2	
c	Incorporation of Manure within 48 hours	☐	5	5	5	2	
d	Nitrification of Lagoon Effluent	☐	10	10	15	3, 4	
e	Low Energy/Pressure Application Systems	☐	7	7	10	1	
f	Freshwater Dilution	☐	5	8	8	1, 2	
g	Pivot Drag Hoses	☐	8	8	10	1	
h	Subsurface Drip Irrigation	☐	10	10	12	1	

Producer must have at least 27 points for compliance.

BMP Total

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

Producer Signature_____
Date

Notes to table:

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 prorated 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 time frame does not constitute noncompliance with this rule.

Note: Within 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:

Email completed form to ISDA and DEQ at the following addresses:

Idaho State Department of Agriculture
Mitchell.Vermeer@ISDA.IDAHO.GOV

Idaho Department of Environmental Quality
air.permits@deq.idaho.gov

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

Questions?

Idaho State Department of Agriculture, Dairy Bureau: (208) 332-8550