



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

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

C.L. "Butch" Otter, Governor
John H. Tippetts, Director

August 5, 2015

Mike Roth
Whiteclover Dairy 1 & 2
5415 S 800 E
Jerome, ID 83338-6847

RE: Permit by Rule Registration Notification-PR-2015.0034 Project 61557

Dear Mr. Roth:

The Department of Environmental Quality (DEQ) received a Permit by Rule Registration form for a dairy farm from Whiteclover Dairy 1 & 2 on July 21, 2015. The registration contains the following information:

1. Mike Roth
Whiteclover Dairy 1 & 2
6004 US HWY 93
Jerome, ID 83338
208-644-1447
2. NUMBER OF COWS: 0 OR ANIMAL UNITS: 6480
3. PERCENTAGE OF FARM THAT IS DRY LOT: 57,
FREESTALL SCRAPE: 0, FREESTALL FLUSH: 43
4. TOTAL BEST MANAGEMENT PRACTICES (BMPs) POINTS REGISTERED: 31
(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

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.

Whiteclover Dairy 1 & 2, Jerome
August 5, 2015
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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 fluid and cursive, with a large initial "M" and a long, sweeping underline.

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

DAIRY AMMONIA
REGISTRATION FORM
IDAPA 58.01.01.763

IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY
1410 NORTH HILTON
BOISE ID 83706 (208) 873-0502

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

DAIRY NAME: Whitehorn 102 DATE: 5/7/15 69% @ #1
OWNER NAME: MIKE BATH 31% @ #2
STREET ADDRESS: 6004 US HWY 93 CITY: JEROME
MAILING ADDRESS (if different from Street Address): 539 S BOOE CITY: JEROME
TELEPHONE: 208-644-1447
NUMBER OF COWS _____ OR ANIMAL UNITS: 6480
WHAT PERCENTAGE OF YOUR FARM IS: DRYLOT 26 FREESTALL/SCRAPE _____ FREESTALL/FLUSH 43

		Ammonia Control Effectiveness ¹			Compliance Method ³	BMP Points
System/Component	BMP Employed	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 http://www.deq.idaho.gov/air/permits_forms/permitting/pbr_daeries.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
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
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
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
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
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
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	31.82

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
 - = 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: Mike Bath

RECEIVED
MAY 11 2015
DAIRY BUREAU

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.