

Oregon Department of Agriculture
CAFO Division
Animal Waste Management Plan
Signature Sheet

ODA USE ONLY

MA# 172731

#2

AWMP# 04153

Approved Date 11/3/04

Received Date 10/1/04

Facility Name: Marion Farms #2

Facility Address: 21075 Neck Rd

Dayton, OR 97114

Operated by: Chris Cozart

Mailing Address: 21105 SE Neck Rd

Dayton, OR 97114

Complete if different than the Operator

Owned by: Mark Firestone estate Executor: Claude Firestone

Mailing Address: 21075 Neck Rd

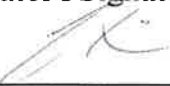
Dayton, OR 97114

As the Operator of ^{Marion}~~Marion~~ Farms #2, I agree to manage this facility in accordance with Animal Waste Management Plan (AWMP) # 04153 on file with ODA and maintain those practices as described in the plan. This signed AWMP is incorporated into the CAFO NPDES and WPCF General Permits by reference (Permit Condition S3.A.2.).

If changes are made to the animal population, facilities and/or management of the CAFO, a new AWMP must be submitted to ODA for approval at least 45 days before the modification is implemented unless a different schedule is allowed by ODA in writing (Permit Condition S3.D.1 and 2).

Operator's Signature

Date



5-3-18

Operator's Name (Please Print)

Chris Cozart

Animal Waste Management Plan
June 2004

RECEIVED

OCT 01 2004

**NATURAL RESOURCES
DIVISION**

Marcon #2 Farms

Operated by:

Mark Firestone
21075 SE Neck Rd
Dayton, OR 97114
(503) 864-2190

Operation:

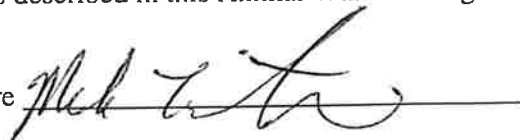
Broiler Chicken Facility
Large Federal CAFO

MA#172731
Plan# 04153

Renew Due: 10/15/2004

As owner and operator of **Marcon #2 Farms**, I intend to manage in accordance with the practices described in this Animal Waste Management Plan.

Signature



Date 9-30-04

GENERAL NARRATIVE DESCRIPTION

Marcon #2 Farm is located at 21075 SE Neck Rd, Dayton, OR 97114 and is owned by Mark Firestone. The operation is a broiler chicken facility in Yamhill County. The facility is in full operation year round. Chicks are received from the hatchery in broods up to 300,000 for the 40 to 45 day grow out period. There are typically 6.5 grow out periods per year. The average weight per chicken estimated for manure volume is approximately 2 pounds. The finished weight is 5 to 5.5 pounds per chicken. All manure and litter is collected, composted, then exported from the farm. No land application of manure occurs.

Manure Collection Methods

The chickens are raised in ¹¹8 poultry houses (50 feet x 400 feet each), which are designed for loose housing using sawdust for bedding. All manure is contained within the houses while the chickens are at the facilities. In between grow out periods, manure is skimmed from each of the houses and transferred to one covered manure storage barns. Once every eighteen to twenty four months one hundred percent of manure is removed from the barns and hauled off farm by a composting company.

Manure Storage Facilities and Transfer

The manure generated at the facility is handled in a dry solid form. Dry manure is skimmed from each of the houses using a litter skimmer and transferred to the storage building with the skimmer. The covered manure storage facility is 50 feet by 156 feet. The manure is piled up to 12 feet and composted in the barn where it is stored until customers come to the farm for pick up. The farm has available storage for approximately 151 days. All rainwater is diverted around the manure storage barns. Manure storage barns will be inspected frequently for structural damage and repaired as necessary to ensure that manure is kept dry and contained. Manure transfer activities are conducted in such a way to minimize spillage of manure and litter outside of the poultry houses and manure storage barn. All transfer areas are cleaned up frequently.

Manure Utilization

Customers remove all manure off the farm, during the spring through fall.

SPECIFIC DESCRIPTIONS AND CALCULATIONS

Land Application Areas

All manure is exported off the farm.

Manure and Waste Volumes

Calculated volumes of all manure, bedding, have been completed using the Oregon Animal Waste Management worksheet based from the NRCS Agricultural Waste Field Handbook. The worksheet is included in this Animal Waste Management Plan.

Nutrient Content of Manure, Litter and Process Waste Water

The same worksheet was used to estimate nutrient content of manure. Annual on farm manure test results are available for customers.

Farm Nutrient Balance

All manure is exported off the farm.

Application Schedule and Limitations

All manure is exported off the farm.

Animal Mortality Management

Animal mortalities are composted within the manure building and exported to customers.

Record Keeping and Reporting

Soil samples are not required for this facility. A manure sample will be taken yearly to provide customers with nutrient content. Protocol for sampling manure is included in this Animal Waste Management Plan.

Marcon #2 Farm records date and amount of manure exported to their customers. As a large Federal CAFO, the following inspections will occur and records kept:

<u>INSPECTIONS:</u>	FREQUENCY OF INSPECTIONS	ITEM(S) TO BE INSPECTED
	DAILY	• Water lines
	WEEKLY	• Storm water diversions • Run-off diversions • Waste transport • Storage structures • Storage structure volume
	PERIODIC	• Application equipment leaks

Record results of:

- 1) Daily inspections.
- 2) Weekly inspections.
- 3) Periodic inspections.
- 4) Corrective actions taken, explain those not corrected.
- 5) Total amount of manure transferred to other persons, including date and amount of each transfer and the name and address of each recipient.
Nutrient content data will be given to the recipient.

Marcon #2 Farms will report any discharge within 24 hours to the Oregon Department of Agriculture. Annual reports including amount of manure applied and exported will be submitted each year.

Protocol for Sampling Manure

Solid manure compost will be sampled and tested prior to manure exports in the spring. Approximately 20 small grab samples from the manure pile will be taken to make on composite sample. After collection, the grab samples will be thoroughly mixed.

About one quart of manure will be removed for nutrient analysis. The sample will be preserved for shipping to an analytical laboratory to be tested for Total Nitrogen (TKN), Ammonium Nitrogen ($\text{NH}_4\text{-N}$), Phosphorus (P), Potassium (K) and moisture content (or dry matter).

CLIENT: **Maroon #2 Farms**
 ASSISTED BY: **Mark Firestone**
 CHECKED BY: _____

ANIMAL WASTE MANAGEMENT SYSTEM INVENTORY

ANIMAL INVENTORY

Type of Animal	Number of Animals	Average Weight (lbs.)	Animal Units (1,000 lb.)	Nutrient Production										Manure CF/D/AU	Annual	
				(lbs./day/1000 lb. Animal Unit)			(lbs./day)			N	P	K	Days Confined		Days Grazed	
				N	P	K	N	P	K							
Chicken (Broiler)	300,000	2	600.0	1.10	0.34	0.46	660.00	204.00	276.00	1.26	270	95				

BEDDING VOLUME

Type of Animal	Type of Bedding Facility	Bedding Material	Unit Weight Lbs/CF	Amount Needed Lbs/Day/AU	Volume CF/Day	Total Volume CF/Day	Total Weight Lbs/Day
CHICKEN(BROILER)	Loose Housing	Sawdust	12.00	12.00	0.18	108	7,200

SOLIDS SEPARATION FACTOR

Type of Animal	Type of Separator	Separation Factor %	Volume of Solids Separated CF/Day	Volume of Liquids in Manure CF/Day	Volume of Manure in Solids CF/Day	Volume of Accumulated Solids in Storage CF/Day	Density of Separated Solids Lbs/CF	Weight of Separated Solids Lbs/Day
Chicken (Broiler)	Dry Scrape	100%	864	0	0	756	0	29,376

MONTHLY VOLUMES

Month	Runoff in Cubic Feet			Facility Water Use		Manure		Bedding		Solids Separated		Solids in Liquids		Total Solids	Total Liquids
	Roof Area Square Feet	Paved Slab Area Square Feet	Unpaved Lot Area Square Feet	Silage Pit Surface Area, SF	Cubic Feet	Solids Cubic Feet	Liquids Cubic Feet	Cubic Feet	Pounds	Cubic Feet	Pounds	Cubic Feet	Pounds	Cubic Feet	Cubic Feet
October	0	0	0	0	0	23,436	0	2,344	156,240	18,749	637,459	0	0	18,749	0
November	0	0	0	0	0	22,680	0	2,268	151,200	18,144	616,896	0	0	18,144	0
December	0	0	0	0	0	23,436	0	2,344	156,240	18,749	637,459	0	0	18,749	0
January	0	0	0	0	0	23,436	0	2,344	156,240	18,749	637,459	0	0	18,749	0
February	0	0	0	0	0	21,168	0	2,117	141,120	16,934	575,770	0	0	16,934	0
March	0	0	0	0	0	23,436	0	2,344	156,240	18,749	637,459	0	0	18,749	0
April	0	0	0	0	0	22,680	0	2,268	151,200	18,144	616,896	0	0	18,144	0
May	0	0	0	0	0	23,436	0	2,344	156,240	18,749	637,459	0	0	18,749	0
June	0	0	0	0	0	22,680	0	2,268	151,200	18,144	616,896	0	0	18,144	0
July	0	0	0	0	0	23,436	0	2,344	156,240	18,749	637,459	0	0	18,749	0
August	0	0	0	0	0	23,436	0	2,344	156,240	18,749	637,459	0	0	18,749	0
September	0	0	0	0	0	22,680	0	2,268	151,200	18,144	616,896	0	0	18,144	0
Annual	0	0	0	0	0	275,940	0	29,203	1,792,912	233,617	7942,977	0	0	233,617	0

CLIENT: **Marcon #2 Farms**
 ASSISTED BY: **Mark Firestone** CHECKED BY: _____

ANIMAL WASTE MANAGEMENT SYSTEM INVENTORY

MONTHLY SOLIDS VOLUME STACKED IN FACILITY

Solids Storage Facility Parameters	Value	Month	Number of Days	Manure CF	Bedding CF	Solids to Store CF	Normal Runoff CF
Storage Period, Days=	151	October	31	16405	2,344	16,443	0
Stacking Width, W in Feet=	0	November	30	15876	2,268	9,072	0
Stacking Height, H in Feet=	0.00	December	31	16405	2,344	9,374	0
Wall Height, h in Feet=	0.00	January	31	16405	2,344	9,374	0
Stack Side Slope (X:1)=	0.00	February	28	14818	2,117	8,467	0
Existing Storage, Cubic Feet=	93,600	March	31	16405	2,344	9,374	0
Surface Area of Existing Storage, SF=	0	April	30	15876	2,268	9,072	0
25 Year-24 Hour Storm Runoff, CF=	0	May	31	16405	2,344	9,374	0
Volume Needed, Cubic Feet=	92,988	June	30	15876	2,268	9,072	0
Design Volume, Cubic Feet=	0	July	31	16405	2,344	9,374	0
Is Facility Covered?	2	August	31	20858	2,980	11,919	0
		September	30	22680	3,240	12,960	0
		Annual	365	204,415	29,202	123,877	0

NUTRIENTS AVAILABLE AFTER STORAGE

Nutrient Source	Type of Operation		Pounds of Nutrients Available			Percent Nutrients Retained After Storage			Pounds of Nutrients Retained After Storage		
	4	Type of Storage Facility	N	P2O5	K2O	N	P2O5	K2O	N	P2O5	K2O
Liquids	None					0	0	0	0	0	0
Solids	Rooted Solid Storage Facility		178,457	126,371	89,926	65%	90%	90%	115,997	113,733	80,934
Grazing	None		62,443	44,217	31,465	100%	100%	100%	62,443	44,217	31,465

Approved By: _____
Date: _____

BRANCH NAME: CARLTON-WFS

TEST ID #: 4152

CROP: CHICKEN MANURE

GROWER/CLIENT:

MARK FIRESTONE

24730 Avenue 13
Madera, CA 93637
Ph: 559-661-6386
FAX: 559-661-6135
Email: dal@mail.anddecision.net



LOG IN #: 243653

DATE SAMPLED: 3/23/2004

DATE SUBMITTED: 3/28/2004

DATE REPORTED: 3/29/2004

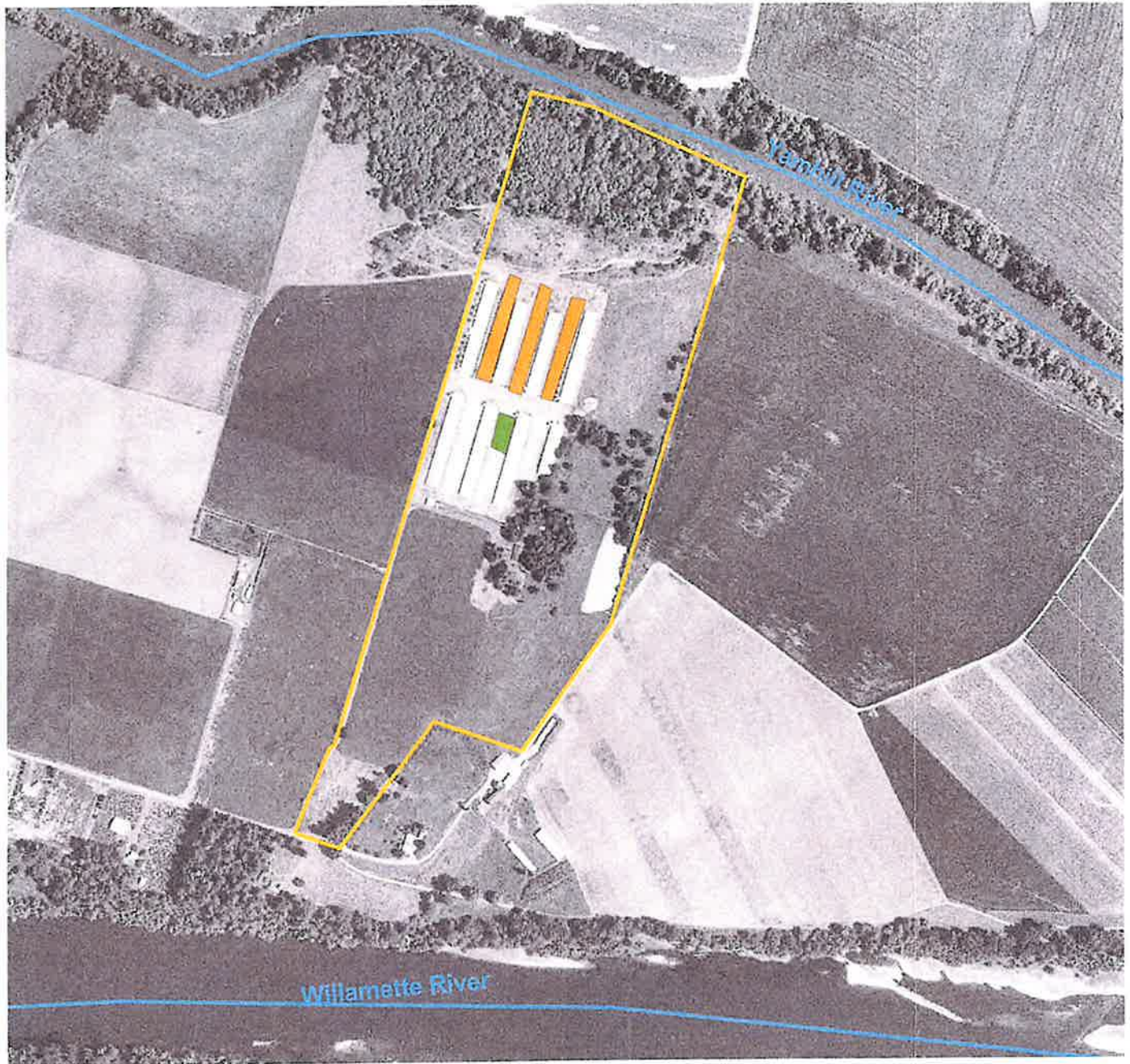
FIELDMAN:

BARRY CALDWELL

"COMPLETE" REPORT OF MANURE ANALYSIS

No.	DESCRIPTION:	%MOISTURE:				%N:	#N/Ton	%P2O5:	#P2O5/Ton	%K2O:	#K2O/Ton	%Cl:	C:N RATIO:						
		%S	#S/T	%Ca	#Ca/T	%Mg	#Mg/T	%Na	#Na/T	ppmB	#B/T	ppmZn	#Zn/T	ppmMn	#Mn/T	ppmFe	#Fe/T	ppmCu	#Cu/T
1	CHICKEN MANURE	63.2		2.69	19.80	0.61	4.49	0.77	5.67	48.0	0.04	455.0	0.91	703.0	1.41	372.0	0.74	1071.0	0.79

Facility Map



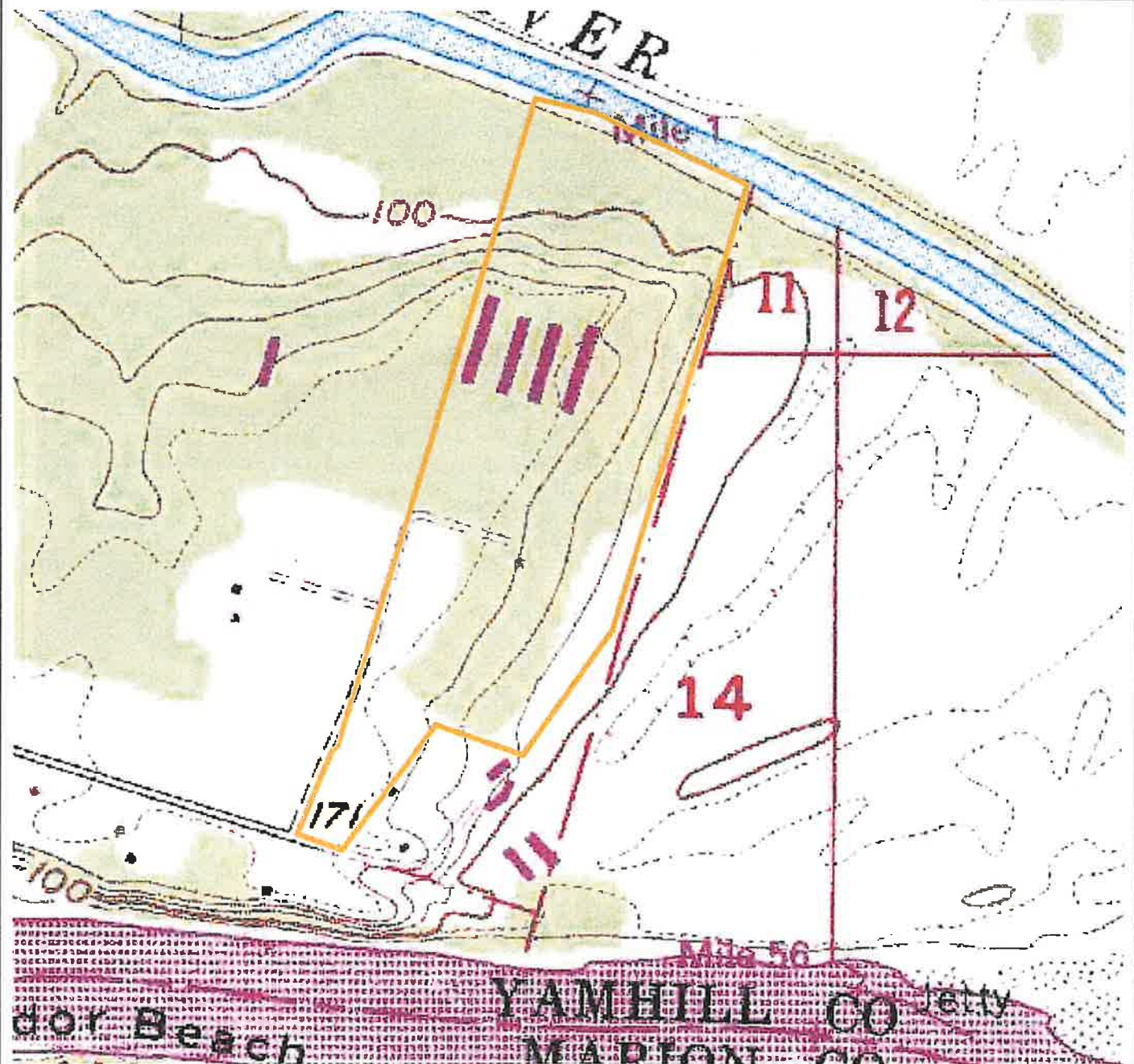
Legend

-  New Broiler Houses
-  Manure Storage
-  Property Boundary
-  Riverre.shp

900 0 900 1800 Feet



Topography Map



Legend

 Property Boundary

900

0

900

1800 Feet

ANIMAL WASTE MANAGEMENT PLAN
Amendment to Item 2(g)(i) – Animal Mortalities

Below is an amendment for my existing Animal Waste Management Plan (AWMP) on file with the Oregon Department of Agriculture (ODA):

In the case of an Avian Influenza outbreak in the state of Oregon, all animal mortalities will be disposed of in a manner that will comply with the Avian Influenza Surveillance and Response Plan for domestic birds developed by the Oregon Department of Agriculture.

All animal mortalities effected (directly or indirectly) by Avian Influenza will be composted in existing chicken growing barns (fryer birds) or on the facility (egg operations). The composting process will be done under the direction and in cooperation with the ODA divisions of Natural Resources and Animal Health and Identification. The composted manure/mortalities will be handled as manure and in a manner that complies with my current AWMP.

Disposal of the animal mortalities following this amendment is in compliance with the Confined Animal Feeding Operation Permit and the approved AWMP for this facility.

Facility Name

Marion #2

Operator's Name

Mark Firestone

Operator's Signature

[Signature]

Date

11-13-06

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NOV 15 2006
NATURAL RESOURCES
DIVISION

Office Use Only:	
MA#:	<u>172731</u>
AWMP #	<u>04153</u>
Status:	<u>Accepted/Rejected</u>
Date:	<u>11/15/06</u>

Yamhill