

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

ODA USE ONLY

MA# 172732

#1

AWMP# 04152

Approved Date 11/3/04

Received Date 10/1/04

Facility Name: MarCon Farms #1 - Owens Facility

Facility Address: 20435 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: Clark Firestone

Mailing Address: 21075 Neck Rd

Dayton, OR 97114

As the Operator of MarCon Farms #1, I agree to manage this facility in accordance with Animal Waste Management Plan (AWMP) # 04152 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

Marcon #1 – Owen's Facility

Operated by:

Mark Firestone
20435 SE Neck Rd
Dayton, OR 97114
(503) 864-2190

RECEIVED

OCT 01 2004

NATURAL RESOURCES
DIVISION

Operation:

Broiler Chicken Facility
Medium Federal CAFO

MA# 172732
Plan# 04152
Review Due: 11/15/2004

As owner and operator of **Marcon #1 – Owen's Facility**, 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 Farm #1 – Owen Facility is located at 20435 SE Neck Rd, Dayton, OR 97114 and is leased 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 100,000 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 4 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 a stockpile covered during the rainy season.

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 stockpile by the skimmer. During the rainy season the skimmings are trucked to the covered manure storage on Marcon #2 Farm. Once every 18 to 24 months a one hundred percent cleanout of the barns is performed by a composting company and exported directly off the farm. The area stockpiled on from spring until fall is 50' X 50'. The manure is piled up to 12 feet and composted where it is stored until customers come to the farm for pick up. The farm has available storage for approximately 145 days. All rainwater is diverted around the manure storage area. The manure storage area will be inspected frequently for the potential of runoff 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 exported to Marcon #2 Farm and composted within the manure building.

Record Keeping and Reporting

Marcon #1 Farm – Owen's Facility records date and amount of manure exported to their customers.

Marcon #1 Farm – Owen's Facility will report any discharge within 24 hours to the Oregon Department of Agriculture. Annual reports including amount of manure exported will be submitted each year.

CLIENT: **Marcon #1 - Owen's Facility** CHECKED BY: _____
 ASSISTED BY: **Mark Firestone**

ANIMAL WASTE MANAGEMENT SYSTEM INVENTORY

ANIMAL INVENTORY

Type of Animal Chicken (Broiler)	Number of Animals 100,000	Average Weight (lbs.) 2	Animal Units (1,000 lb.) 200.0	Nutrient Production (lbs./day/1000 lb. Animal Unit)					Manure CF/D/AU 1.26	Annual	
				N	P	K	N	P		Days Confined	Days Grazed
				1.10	0.34	0.46	220.00	68.00	92.00	270	95

BEDDING VOLUME

Type of Animal CHICKEN(BROILER)	Type of Bedding Facility 2	Bedding Material 7	Unit Weight Lbs/CF 12.00	Amount Needed Lbs/Day/AU 12.00	Volume CF/Day/AU 0.18	Total Volume CF/Day 36	Total Weight Lbs/Day 2,400
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SOLIDS SEPARATION FACTOR

Type of Animal Chicken (Broiler)	Type of Separator Dry Scrape	Separation Factor % 100 %	Volume of Solids Separated CF/Day 288	Volume of Solids in Liquids CF/Day 0	Volume of Manure in Liquids CF/Day 0	Volume of Manure in Solids CF/Day 252	Accumulated Sludge in Storage CF/Day 0	Density of Separated Solids Lbs/CF 34	Weight of Separated Solids Lbs/Day 9,792
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MONTHLY VOLUMES

Month	Roof Area Square Feet			Runoff in Cubic Feet			Facility Water Use Cubic Feet		Manure Solids Cubic Feet		Bedding Cubic Feet		Solids Separated Pounds		Solids in Liquids Pounds		Total Solids Cubic Feet	Total Liquids Cubic Feet
	Square Feet	Slab Area Square Feet	Unpaved Lot Area Square Feet	Paved Square Feet	Slab Area Square Feet	Surface Area, SF	Cubic Feet	Cubic Feet	Cubic Feet	Cubic Feet	Cubic Feet	Pounds	Pounds	Pounds	Pounds	Pounds	Cubic Feet	Cubic Feet
October	0	0	0	0	0	0	0	0	7,812	0	781	52,080	6,250	212,486	0	0	6,250	0
November	0	0	0	0	0	0	0	0	7,560	0	756	50,400	6,048	205,632	0	0	6,048	0
December	0	0	0	0	0	0	0	0	7,812	0	781	52,080	6,250	212,486	0	0	6,250	0
January	0	0	0	0	0	0	0	0	7,812	0	781	52,080	6,250	212,486	0	0	6,250	0
February	0	0	0	0	0	0	0	0	7,056	0	706	47,040	5,645	191,923	0	0	5,645	0
March	0	0	0	0	0	0	0	0	7,812	0	781	52,080	6,250	212,486	0	0	6,250	0
April	0	0	0	0	0	0	0	0	7,560	0	756	50,400	6,048	205,632	0	0	6,048	0
May	0	0	0	0	0	0	0	0	7,812	0	781	52,080	6,250	212,486	0	0	6,250	0
June	0	0	0	0	0	0	0	0	7,560	0	756	50,400	6,048	205,632	0	0	6,048	0
July	0	0	0	0	0	0	0	0	7,812	0	781	52,080	6,250	212,486	0	0	6,250	0
August	0	0	0	0	0	0	0	0	7,812	0	993	66,216	7,946	270,161	0	0	7,946	0
September	0	0	0	0	0	0	0	0	7,560	0	1,080	72,000	8,640	293,760	0	0	8,640	0
Annual	0	0	0	0	0	0	0	0	91,980	0	9,734	597,637	77,872	2,647,659	0	0	77,872	0

CLIENT: **Marcon #1 - Owen's Facility**
 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=	145	October	31	5468	781	5,481	0
Stacking Width, W in Feet=	0	November	30	5292	756	3,024	0
Stacking Height, H in Feet=	0.00	December	31	5468	781	3,125	0
Wall Height, h in Feet=	0.00	January	31	5468	781	3,125	0
Stack Side Slope (X:1)=	0.00	February	28	4939	706	2,822	0
Existing Storage, Cubic Feet=	30,000	March	31	5468	781	3,125	0
Surface Area of Existing Storage, SF=	0	April	30	5292	756	3,024	0
25 Year-24 Hour Storm Runoff, CF=	0	May	31	5468	781	3,125	0
Volume Needed, Cubic Feet=	29,929	June	30	5292	756	3,024	0
Design Volume, Cubic Feet=	0	July	31	5468	781	3,125	0
Is Facility Covered?	No	August	31	5953	993	3,973	0
		September	30	5560	1,080	4,320	0
		Annual	365	68,138	9,734	41,292	0

NUTRIENTS AVAILABLE AFTER STORAGE

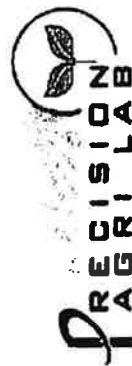
Nutrient Source	Poultry	Type of Operation		Pounds of Nutrients Available			Percent Nutrients Retained After Storage			Pounds of Nutrients Retained After Storage		
		Type of Storage Facility		N	P2O5	K2O	N	P2O5	K2O	N	P2O5	K2O
Liquids	None				0	0	25%	45%	55%	0	0	0
Solids	Solids Storage Facility			59,486	42,124	29,975	65%	90%	90%	38,666	37,911	26,978
Grazing	None			20,814	14,739	10,488	100%	100%	100%	20,814	14,739	10,488

Approved By: _____
Date: _____

BRANCH NAME:
TEST ID #:
CROP:

GROWER/CLIENT:

MARK FIRESTONE



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

LOG IN #:

DATE SAMPLED:
DATE SUBMITTED:
DATE REPORTED:

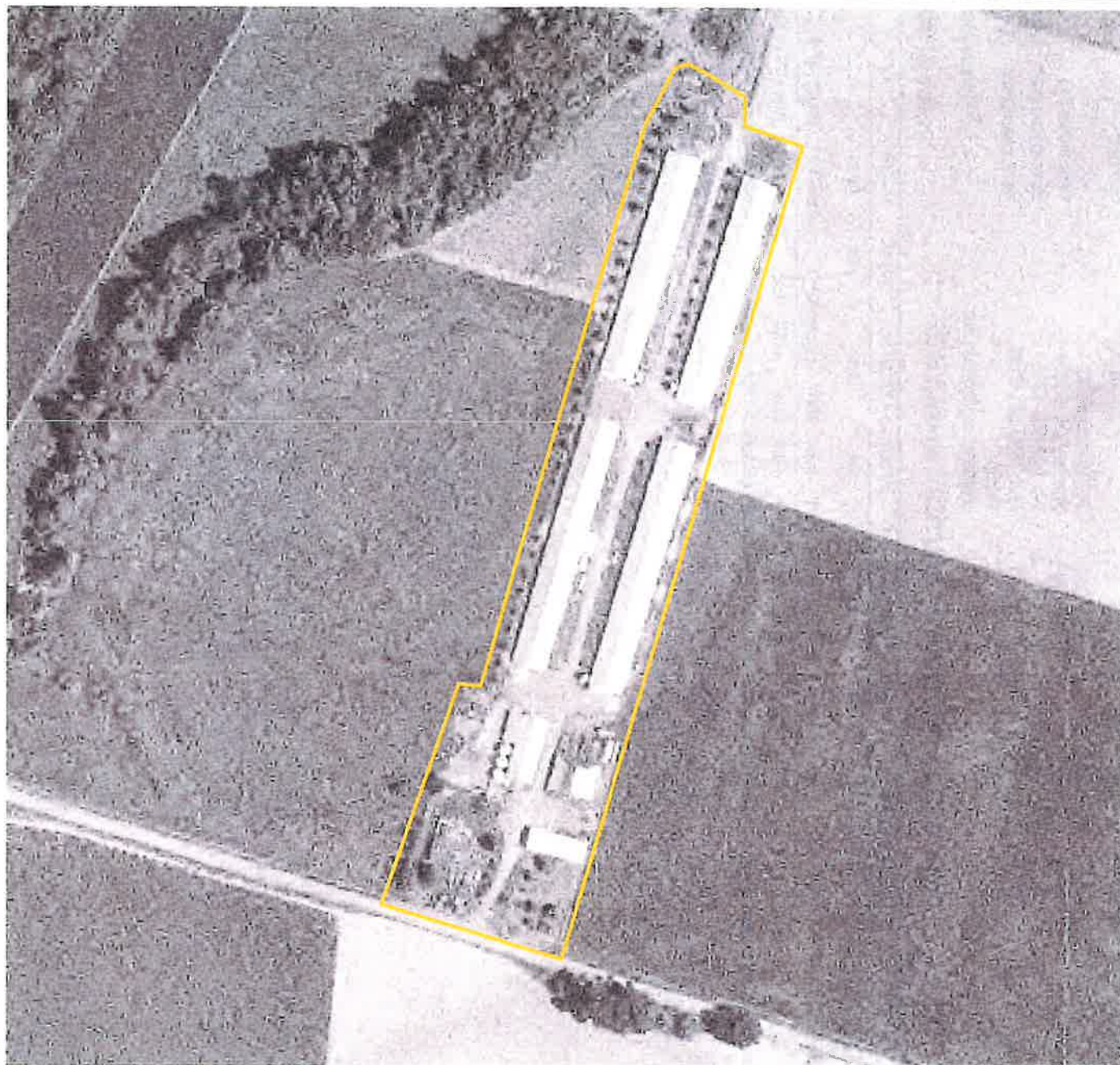
FIELDMAN:

BARRY CALDWELL

"COMPLETE" REPORT OF MANURE ANALYSIS

No.	DESCRIPTION:	%MOISTURE:										%N:				%P2O5:				%K2O:				%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	0.65	4.78	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

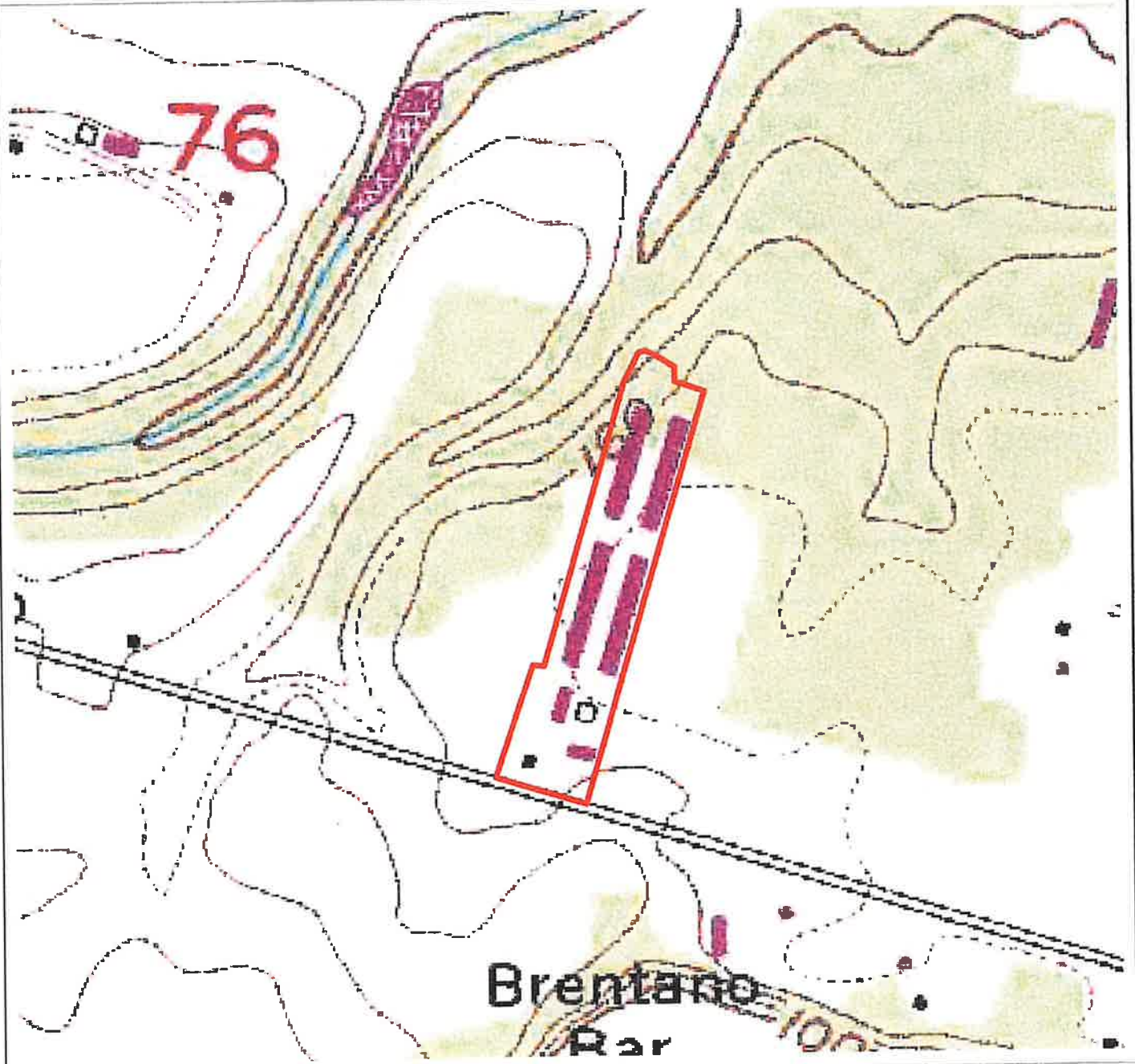
 Leased Property Boundary



300 0 300 600 Feet



Topography Map



Legend

 Leased Property Boundary



600 0 600 1200 Feet



Addendum for Marcon Farms #1

11/2/2004

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 one 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 *NH₄-N, Phosphorus (P), Potassium (K) and moisture content (or dry matter).

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 Musconth Owens Facility
Operator's Name Mark Firestone
Operator's Signature [Signature]
Date 11-13-06

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NATURAL RESOURCES
DIVISION

Office Use Only:	
MA#:	<u>172732</u>
AWMP #	<u>0452</u>
Status:	<u>Accepted/Rejected</u>
Date:	<u>11/15/06</u>

Yamhill

