		Agency Use	
Th TA		Permit No.;	
	WATER	Date Rec'd	
	PROTECTION	Amount Rec'd	
Montana Department	BUREAU	Check No.	
of Environmental Quality	Rec'd By		
FORM	ce of Intent (NOI) and Nutrient M		
NOI-NMP C	oncentrated Animal Feeding Open		
CAFO	MTG010000		
This application form is comprised of the N form, Concentrated Animal Feeding Operat advised to read the attached NOI-NMP inst legible, not complete, or unsigned will be re	ion (CAFO) operators must read the CAFO nuctions before completing this form. You n	General Permit. CAFO operators are also aust print or type legibly; forms that are not	
CAFO Status and Fee			
Permit Authorization Number:	MTGOLOLOS		
Select Appropriate Fee:	New Application: \$1200     Brenewal Application: \$600		
	Permit Modification: \$600		
Feeding Operation (CAFO). Section 1 – Facility/Site Information Facility Name Location (Physical address or Directions)	Hunthy Feeders 2257 North 5th	<u>&gt;.1</u>	
	Des i jourres		
Neoraet City of Lown	Huntley MT		
Nearest City or Town Zip Code, County	Huntly, MT 59037 Vellowston		
Zip Code, County	59037 Yellowston	é.	
•	59037 Yellowston	é.	
Zip Code, County Facility Latitude, Longitude	<u>59037</u> Yellowston <u>45 9483331), 108.</u> <u>Jan 1970</u>	é.	
Zip Code, County Facility Latitude, Longitude Date facility began operation	<u>59037</u> Yellowston <u>45 9483331), 108.</u> <u>Jan 1970</u>	e 2.6.7500 rivate [] Other	
Zip Code, County Facility Latitude, Longitude Date facility began operation Status of Applicant	<u>59037</u> <u>Yellowston</u> <u>45 9483330</u> , 108. <u>Jan 1970</u> [] Federal [] State [] No KIP	e 2.6 7500 rivate [] Other	
Zip Code, County Facility Latitude, Longitude Date facility began operation Status of Applicant	<u>59037</u> <u>Yellowston</u> <u>45 9483330</u> , 108. <u>Jan 1970</u> [] Federal [] State [] No KIP	e 2.6 7500 rivate [] Other	
Zip Code, County Facility Latitude, Longitude Date facility began operation Status of Applicant	<u>59037</u> <u>Yellowston</u> <u>45 948333</u> ), <u>108</u> <u>Jan 1970</u> EFederal EState No BE ZNO EYes (If yes, obtain the perm	e 2.6.7500 rivate [] Other	
Zip Code, County Facility Latitude, Longitude Date facility began operation Status of Applicant	<u>59037</u> <u>Yellowston</u> <u>45 948333</u> ), <u>108</u> <u>Jan 1970</u> EFederal EState No BE ZNO EYes (If yes, obtain the perm	e 2.6.7500 rivate [] Other	
Zip Code, County Facility Latitude, Longitude Date facility began operation Status of Applicant	<u>59037</u> <u>Yellowston</u> <u>45 948333</u> ), <u>108</u> <u>Jan 1970</u> EFederal EState No BE ZNO EYes (If yes, obtain the perm	e 2.6.7500 rivate [] Other	

Section 2 - Representatives				
2.1 Applicant (Owner/Operator)				
		with the terms and conditions of the permit. The the Certification Section at this end of this form.		
Owner/Operator Formal Name	Thompson Cuttle Co			
Mailing Address	3205 High	wa/ 87 E		
City, State, Zip Code	Billings mit			
Signatory/Responsible Official	Name Ty Flom	pson Title Owner		
Contact Information		3 Email thompsoncattleinc Chotmail.com		
2.2 Authorized Representative				
	If one is not designated, than 0.1232(2)]. nit is designated at this time (co	·		
Authorized Representative Information:				
	me Paul Dix	♂ TitleConsultant		
Company Name	Dixon Land N			
Mailing Address	362 Bird Fari	n Rd		
City, State, Zip Code	Sherrdan, WY			
Contact Information Ph	one 307-752-730 (	Email Pauldixon1903 egnail.com		
Section 3 - Business Description				
3.1 SIC Codes and NAICS Codes				
		orth American Industry Classification System (NAICS)		
SIC Code Description		CS Code Description		
(1) 2" Feedlot		112112 Freedlorf		
(2)	(2)			
(3)	(3)			
	(4)			
SIC Code Examples: 211 Beef Cattle Feedlots		ICS Code Examples:		
211 Beer Cattle Feedlots 212 Beef Cattle, Except Feedlots		12112 Cattle Feedlots 12111 Beef Cattle Ranching and Farming		
213 Hogs		1221 Hog and Pig Farming		
214 Sheep and Goats	1	1240 Sheep Farming		
241 Dairy Farms 251 Broiler, Enver and Posster Chick		1212 Dairy Cattle and Milk Production		
251 Broiler, Fryer and Roaster Chick 252 Chicken Eggs	-	1232 Broilers and other Meat-Type Chickens		
252 Curkeys and Turkey Eggs		1234 Chicken Egg Production 1233 Turkey Production		
254 Poultry Hatcheries	1	1233 Furkey Froduction 1234 Poultry Hatcheries		
259 Poultry and Eggs, not elsewhere	classified (Ducks)	12390 Other Poultry Production		
272 Horses and other Equines	1	12920 Horses and other Equine Production		

3.2 Facility or Operation Descrip	Aion
-----------------------------------	------

Provide a brief description of the nature of the facility (feedlot, stockyard, sale barn, etc.)

Feedlot

3.3 Existing or Pending Permits, Certification, or Approvals	
Ø None	
	Other
PSD (Air Emissions)	Other
404 Permit (Dredge and Fill)	

Section 4 - Outfalls 4.1 Receiving Water

For each outfall, provide the latitude and longitude (to the nearest decimal degree) and the name of the receiving water. If the receiving water/drainage is unnamed, indicate the closest named drainage it flows into (i.e., "unnamed tributary to Clear Creek"). Attach additional sheets if necessary for more outfalls. This section must not be left blank, and "N/A" is not acceptable.

Outfall	Latitude	Longitude	Name of Receiving Water
001	45.95 XXXXXX	108.254834	Custer Coulee
	45.94892	-108.258469	
		ER ( TATIONERIAL ) (	

Section 5 - Characteristics

5.1 Impaired Waters 303(d)

Identify whether the receiving water is impaired for nutrients. Check the Clean Water Act Information Center database at https://deg.mt.gov/water/resources to determine if the receiving water is impaired for nutrients (total nitrogen and/or total phosphorus).

[] The receiving water is impaired for nutrients

The receiving water is NOT impaired for nutrients Not for Nor P

#### 5.2 Animal Confinement

Report the maximum number of each type of animal confined at any one time in open confinement and/or housed under a roof.

Animal type	Number in Open Confinement	Number Housed Under Roof	
Mature Dairy Cows	Sent M	÷	
Veal Calves			
Cattle including dairy Heifers	5000	0	
Swine 55 lbs. or over			
Swine 55 lbs. or under			
Horses			
Sheep or Lambs			
Turkeys			
Chicken broilers -includes juveniles			
Chicken layers includes juveniles			
Ducks			
Other Specify:			
Other Specify:		- 5	

5.3 Rain Gage Location

Identify the nearest gage station or onsite rain gage. Provide either the Station ID of the gage or a latitude and longitude. Station ID  $\frac{1}{100} + \frac{1}{100} +$ 

Latitude, Longitude

5.4 Containment Structures

Were the containment structures built after February 2006?

I Yes. Skip the following 3 questions and continue to the table below.

No. Complete the questions and table below.

Do the livestock waste control facilities have 10 feet of separation between the pond bottom and any bedrock formations?

Do the livestock waste control facilities comply with the applicable well setbacks?

Identify the type of containment/storage, the total capacity with units, and the number of days of storage in each:

Type of Containment/Storage	Total Capacity	Units (gallons or tons)	Days of Storage
Anaerobic Lagoon			
Storage Pond #1 West Pen	1870000	991	365
Storage Pond #2		J	
Storage Pond #3			
Storage Pond #4			
Storage Pond #5			
Above Ground Storage Tank #1			
Above Ground Storage Tank #2			
Above Ground Storage Tank #3			
Underfloor Pits			
Below Ground Storage Tank			
Roofed Storage Shed			
Concrete Pad			
Impervious Soil Pad			
Other Specify: East Pen	1,500,000	Gal	
Other Specify:			

5.5 Sage Grouse Habitat

Visit the Montana Sage Grouse Habitat Conservation Program (Program) website at https://sagegrouse.mt.gov/ to determine if the proposed operation is located in designated sage grouse core, general, or connectivity habitat.

I Yes. Submit an application to the Program and attach the required consultation letter.

A No. No additional information is required.

5.6 New Source/Operation

Is this a new source and/or operation? New sources must obtain analyses from the <u>Montana Natural Heritage Program</u> (MTNHP) and <u>Montana State Historic Preservation Office</u> (SHPO) demonstrating possible impacts to wildlife and cultural resources, respectively.

□ Yes. Attach project review analyses from MTNHP and SHPO.

X No. No additional information is required

Sections 6 through 10 consist of the Nutrient Management Plan (NMP). These sections are intended to help CAFO operators develop a site-specific NMP required by the CAFO General Permit. Your NMP must be kept at the operation. Attach additional pages as necessary, indicating the corresponding section number on this NMP form.

### Section 6 - NMP Minimum Elements

## Facility Photos and Maps

Facilities must attach photos and maps depicting the following:

- The production area that shows the locations of all animal confinement structures described in the Animal Type, Storage Location, and Generation Rates Table.
- The flow direction of storm water and wastewater for all animal confinement structures described in the Animal Type, Storage Location, and Generation Rates Table.
- Manure and wastewater handling and storage areas
- Raw material handling and storage areas
- Storage and disposal areas of chemicals or other contaminants handled on site
- All land application areas (include topography and soil types)
- Environmentally sensitive areas (sinkholes, wells, drinking water sources, tile drain outlets, etc.) for the production area
- Illustrate the facility/activity boundaries, receiving water, and major drainage patterns
- Identify the specific location of the production area and the land application area(s)
- X I have attached photos and maps (aerial and topographic) that meet the above requirements.

# 6.1 Ensure Adequate Storage Capacity

Complete the table below: Be sure to identify each type of animal confined at this facility. This could include animals of a given species, weight class, or housed for a specific purpose.

Animal Type	Waste Storage Location	Maximum Number of Animals at Any Time	Number of Days/Year on Site	Annual manure, litter, and process wastewater production	
				Dry (tons/yr)	Liquid (gailons/yr)
1. Catthe	In Pews	5000	190	2565	
2.	West Pen Pond and				
3	East Pen Depression				
4.					· ·
5.					
6.					
7.				7	
8.		2			
9.					
10.					
11.		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			

### Methods for estimating animal manure, litter, and process wastewater production

Describe the methods used for estimating animal manure, litter, and process wastewater production: Include all formulas, actors, references to tables, and other resources used to calculate manure, litter, and wastewater production. Be sure to account or soiled bedding materials.

or soiled bedding materials	st Plan Service Waste Facilitie	s Handhank	!
<u>/ ////////////////////////////////</u>	3rd Ed		
a man kata mana kata mana kata na kata	JIU CV		
Manure handling:			
	ad process wastewater handling at the CAFO. Mark all that apply:		
Stored in pens	Direct pipe to liquid impoundment		
Stored on stacking p			
Composting on site			
	noval from confinement areas:		
Bi-annually	As needed		
Annually	C Other		
Is dry manure and/or litte	nd where		25 Ø. 25
Waste control structures:			*
	storm event at your facility location. Refer to the map provided	2-7	in/hr
Provide the annual precip mid-October to mid-Apri	pitation during critical winter storage period (180 days from i)	4-2	in
used for clean water dive	lean water diversions. This is the area that is inside the BMPs rsions and is used to calculate volume required to hold the 24- the volume of your critical storage period.	30	acres
Check all the surface type correct units.	es within the clean water diversion area and provide the coverage in	acres or ft <sup>2</sup> . Be sure	e to circle the
凶 Dirt 30	acres or ft <sup>2</sup> (circle correct unit)		
Concrete			
[] Paved	acres		
Under roof	acres or ft <sup>2</sup> (circle correct unit) - check if runoff is not part of cle	an water BMPs	
Gravei	acres or ft <sup>2</sup> (circle correct unit)		
Pasture			
Other	acres or ft <sup>2</sup> (circle one)		

Use the Table below to identify and describe all production area waste control structures for the production area of each animal type identified in the table "Livestock Statistics and Manure, Litter, and Process Wastewater Generation Rates" above (Section 6.1). Waste control structures may include but are not limited to: manure lagoons, manure ponds, evaporation ponds, wastewater retention ponds, contaminated runoff retention ponds, settling basins, underground storage tanks, underfloor pits, manure solids stacking pads, vegetative treatment strips, composting facilities, and dry stack facilities. Berms, dikes, concrete curbs, ditches, and waste transfer pipelines are also waste control structures and must be listed, though some of the requested measurements may not apply.

Production area Waste Control Structure For Corresponding Animal Type Identified in Table Above)	Volume (gal if liquid) (ft <sup>3</sup> if dry)	Number of days of storage	Winter storage depth (ft)	The 24hr-25 yr storm event dopth (ft)
West Frap Pord	1870000	345	10	63
East Pen Depression	1.5 MM Gal			
а.				
<b>0</b> :				
Mortality Management				
eck the box that describes how mo Burial Composted PD Incineration	Landfill     Contractor rei     Other		<b>.</b>	51 
ovide the location where mortalitie		part of the produ	ction area:	
Clean Water Diversion Practic eck all that apply for how clean w	The Barrier State of State 1985	the production a	rea	
Ditches Earthen berms	Site grading			

6.4 Prohibiting Animals and	Wastes from Direct Contact with State Waters
Check all that apply for how an	nimals and wastes are prohibited from direct context with sate waters.
R Fencing, Cl Wall	Inside building     Other
6.5 Chemicals and Contamh	iants
pesticides, herbicides, animal contaminant. Ensure a correspo	er contaminants handled on site as part of your CAFO operation, including, but not limited to: lips, disinfectants, etc. Specify the method of disposal and location stored for each onding map has been attached, as required in Section 6, Facility Photos and Maps.
Loce control	products are porchased as needed. ne disposed of according to label directions
Conteners a	re disposed of according to label directions
6.6 Conservation Practices	
production area. Be sure to in schedule for implementation o descriptions. Attach additional	
X Ditches	✓ Site grading □ Gutters and spouts
Dulverts and pipes	Covered Pens
Buffers	□ Other
6.7 Sampling and Analysis P	rocedures for Manure, Litter, Process Wastewater, and Suil
nitrogen and total phosphorus.	nure, litter, and process wastewater must be analyzed a minimum of once per year for total Results should be reported in lbs/ton for solids and lbs/1000 gal for liquids. Results will be nure, litter, and process wastewater. Indicate your method for samping. Be sure to provide a
Sample collection will oc	cur according to CAFO General Permit Section II.D.
Other	
6	
	Continue to Page 10
5	9
e	
Mil 1 (for Million and a start of the life of the start of the	

Section 7 - NMP Land Applicati	on		
Identify whether manure will be la	nd applied to land that is o	wned, rented, or leased by	y the owner or operator of the facility.
process wastewater. Skip to S			col for transfers of manure, litter, and <u>Neighbor is jurch</u>
a conv of y		nalysi's	- roeigning is group
[] Yes. Continue below.	Same for the back of a first of a first of the second s		
7.1 Land Application Photos an	d Mans		
an an an a' shares an a' thail an a' thail an an a' thail an an a' thail an a	and Michigan and the state of the second states of the	ify the following items. If	an item is not applicable, check the box
- Individual field boundaries for	or all planned land application	on areas	
- A name, number, letter or oth	er means of identifying eac	h individual land applicati	on field
- The soil type(s) present and the	heir locations within the ind	lividual land application fi	eld(s)
- The location of any downgrad	lient surface waters		
<ul> <li>The specific manure/waste h setbacks</li> </ul>	andling or nutrient manag	ement restrictions associa	led with each land application field i.e.
- Buffers and setbacks around	state surface waters, well he	ads, etc.	
<ul> <li>Any downgradient open tile I</li> <li>None. Not included on</li> </ul>			
<ul> <li>Any downgradient sinkholes</li> <li>None. Not included on</li> </ul>			
<ul> <li>Any downgradient agricultu</li> <li>None. Not included on</li> </ul>			
- All conduits to surface water			
- All temporary, permanent, a			nts from the land application area
7.2 Protocols to Land Apply Ma	unure, Litter, or Process	Wastewater	
	use, include a schedule fo		noff of pollutants from the CAFO's land of these measures. You may supplement
Buffers	Conservation til	lage	3
C Constructed wetlands	Grass Filter		2
□ Infiltration field	🗆 Residue Manage	ement	
C Setbacks	Terrance	a.	
Other		· · · · · · · · · · · · · · · · · · ·	
7.3 Soil Phosphorus Sampling a	nd Analysia		Richard Constant State State
(a) statistic participation and statistical participation and the second st		s laver of soil for each fie	eld where manure will be applied must be
analyzed for phosphorus content a	t least once every five year	s. Analyses will be cond	ucted by a qualified laboratory, using the ermining application rates for manure,

Sample collection will occur according to Part II.D of the CAFO General Permit.

D Other (describe)

litter, and process wastewater.

ž

# 7.4 Soil Nitrogen Sampling and Analysis

Representative composite soil samples for total nitrogen and nitrate must be collected for each field where manure will be applied. Composite samples for total nitrogen must be collected from a soil depth of 0 to 6 inches and must be analyzed annually. Composite samples for nitrate must be collected from a soil depth of 6 to 24 inches and must be analyzed annually. All samples must be analyzed according to method code 4Hzal-3 in NRCS Soil Survey Laboratory Methods Manual, Soil Survey Investigation Report No. 42. Results must be reported as mg/kg total nitrogen and pounds per acre.

C] Sample collection will occur according to Part II.D of the CAFO General Permit.

### Section 8. NMP Application Rates

The applicant has 2 ways in which to report how manure or process wastewater application rates can be reported to DEQ. Select one:

- Linear Approach. Expresses rates of application as pounds of nitrogen and phosphorus. Complete Section 8.1, then continue to Section 9. See page 8 of the NOI-NMP Instructions for guidance on the Linear Approach.
- Narrative Rate Approach. Expresses a narrative rate of application that results in the amount, in tons or gallons, of manure, litter, and process wastewater to be land applied. Complete Section 8.2, then continue to section 9. See page 9 of the NOI-NMP Instructions for guidance on the Narrative Rate Approach.

8.1 Linear Approach

Expresses rates of application as pounds of nitrogen and phosphorus. CAFOs selecting the linear approach to address rates of application must include in the NMP submitted to the Department the following information for each crop, field, and year covered by the NMP:

- 1. The maximum application rate (pounds/acre/year of nitrogen and phosphorus) from manure, litter, and process wastewater.
- 2. The outcome of the field-specific assessment of the potential for phosphorus transport from each field. The Department does not have an N transport risk assessment, therefore the NMP must document any basis for assuming that nitrogen will be fully used by crops. The CAFO must specify any conservation practices used in calculating the risk rating.
- 3. The crops to be planted or any other uses of a field such as pasture or fallow fields.
- 4. The realistic annual yield goal for each crop or use identified for each field.
- 5. The nitrogen and phosphorus recommendations from Department acceptable sources for each crop or use identified for each field.
- 6. Credits for all residual nitrogen in each field that will be plant available.
- Consideration of multi-year phosphorus application. For any field where nutrients are applied at a rate based on the crop phosphorus requirement, the NMP must account for single-year nutrient applications that supply more than the crop's annual phosphorus requirement.
- 8. All other additions of plant available nitrogen and phosphorus (i.e., from sources other than manure, litter, or process wastewater or credits for residual nitrogen).
- 9. The form and source of manure, litter, and process wastewater to be land-applied.
- 10. The timing and method of land application. The NMP also must include storage capacities needed to ensure adequate storage that accommodates the timing indicated.
- 11. The methodology that will be used to account for the amount of nitrogen and phosphorus in the manure, litter, and wastewater to be applied.
- 12. Any other factors necessary to determine the maximum application rate identified in accordance with this Linear Approach.

13. Complete the Nutrient Budget Worksheet, below, for the crop grown on each field for each year to which manure or process wastewater is, or may be, applied. A copy of each Nutrient Budget Worksheet will be maintained on site, and a copy will be submitted to the Department.

# Nutrient Budget Worksheet

Fie	ld iden	ntification: Year:	Crop:		
Exp	ected	Crop Yield:			
Pho	sphor	rus index results or Phosphorus application	on from soil test:		
a new grant per	CONTRACTOR OF THE OWNER.	of Land Application:			an a
Wh	en wi	Il application occur:			
		Nutrient Budget	Nitrogen-based Application	Phosphorus- based Application	Source of information
1		Crop Nutrient Needs, ibs/acre			
2	(-)	Credits from previous legume crops, or soil test lbs/acre			
3	(-)	Residuals from past manure production lbs/acre-only if no new soil test			
4	(-)	Nutrients supplied by commercial fertilizer and Biosolids, Ibs/acre	A.,		
5	(-)	Nutrients supplied in irrigation water, lbs/acre			
6		= Additional Nutrients Needed, Ibs/acre		and by the start water in a function of the start of the	
Arrentia	<b>NGAR</b>				
7		Total Nitrogen and Phosphorus in manure, lbs/ton or lbs/1000 gat (from manure test)			
8	(×)	Nutrient Availability factor, for Phosphorus based application use 1.0			
9		= Available Nutrients in Manure, lbs/ton or lbs/1000 gal			
10		Additional Nutrients needed, lbs/acre (calculated above)			
11	(+)	Available Nutrients in Manure, lbs/ton or lbs/1000 gal (calculated above)			
12		= Manure Application Rate, tons/acre or 1000 gal/acre			

#### End of Linear Approach. Continue to Section 9

# 8.2 Narrative Approach

Expresses a narrative rate of application that results in the amount, in tons or gallons, of manure, litter, and process wastewater to be land applied. CAFOs selecting the narrative rate approach to address rates of application must include in the NMP submitted to the Department the following information for each crop, field, and year covered by the NMP:

- 1. The maximum amounts of nitrogen and phosphorus that will be derived from all sources of nutrients (pounds/acre for each crop and field).
- 2. The outcome of the field-specific assessment of the potential for nitrogen and phosphorus transport from each field. The Department does not have an N transport risk assessment, therefore the NMP must document any basis for assuming that nitrogen will be fully used by crops. The CAFO must specify any conservation practices used in calculating the risk rating.
- 3. The crops to be planted in each field or any other uses of a field such as pasture or fallow fields, including alternative crops if applicable. Any alternative crops included in the NMP must be listed by field, in addition to the crops identified in the planned crop rotation for that field.
- 4. The realistic annual yield goal for each crop or use identified for each field for each year, including any alternative crops identified.
- 5. The nitrogen and phosphorus recommendations from Department acceptable sources for each crop or use identified for each field, including any alternative crops identified.
- 6. The methodology (including formulas, sources of data, protocols for making determination, etc.) and actual data that will be used to account for: (1) the results of soil tests, (2) credits for all nitrogen in the field that will be plant-available, (3) the amount of nitrogen and phosphorus in the manure, litter, and process wastewater to be applied, (4) consideration of multiyear phosphorus application (for any field where nutrients are applied at a rate based on the crop phosphorus requirement, the methodology must account for single-year nutrient applications that supply more than the crop's annual phosphorus requirement), (5) all other additions of plant available nitrogen and phosphorus to the field (i.e., from sources other than manure, litter, or process wastewater or credits for residual nitrogen), (6) timing and method of land application, and (7) volatilization of nitrogen and mineralization of organic nitrogen.
- 7. Any other factors necessary to determine the amounts of nitrogen and phosphorus to be applied in accordance with the Narrative Rate Approach.
- 8. NMPs using the Narrative Rate Approach must also include the following projections, which will not be used by the permitting authority in establishing site-specific permit terms:
  - Planned crop rotations for each field for the period of permit coverage.
  - Projected amount of manure, litter, or process wastewater to be applied.
  - Projected credits for all nitrogen in the field that will be plant available.
  - Consideration of multi-year phosphorus application.
  - · Accounting for other additions of plant available nitrogen and phosphorus to the field.
  - The predicted form, source, and method of application of manure, litter, and process wastewater for each crop.

### Section 9 - NMP Phosphorus

Phosphorus Risk Assessment: The permittee shall assess the risk of phosphorus contamination of state waters. An assessment shall be conducted for each field, under the control of the operator, to which manure, litter or process wastewater will or may be applied. If a new field is added in the future, then the permittee must submit a revised (modified) NMP. The permittee has the option of using Method A or Method B (below) to complete the assessment, unless the receiving water is impaired for nutrients, then you must use method B below for phosphorus risk assessment. Copies of all tables and calculations used to complete the assessments, as well as the results of the assessments, shall be submitted to the Department and copies shall be maintained onsite at the facility and available for Departmental review. The results of the assessments shall be used to determine the appropriate basis for land application of wastes from the facility.

Indicate which method will be used to determine phosphorus application:

C Method A - Representative Soil Sample. Complete Section 9.1, then continue to Section 10.

I Method B - Phosphorus Index. Complete Section 9.2, then continue to Section 10.

9.1 Method A - Representative Soil Sample

Obtain one or more representative soil sample(s) from the field per <u>ARM 17.30.1334</u>

Have the sample analyzed for phosphorus by a qualified lab. The "Olsen P test" must be used for the analysis, and the result must be reported in parts per million (ppm). Using the results of the Olsen P test, determine application basis according to the Table below.

Olsen P Soil Test Results	(ppm) Application Basis
<25.0	Nitrogen Needs of Crop
25.1 - 100.0	Phosphorus Needs of Crop
100.0 - 150.0	Phosphorus Needs up to Crop Removal Rate
>150.0	No Application allowed

Olsen P Test Result: \_\_\_\_\_ ppm

End of Method A. Continue to Section 10

## 9.2 Method B - Phosphorus Index

Complete a phosphorus Index according to the crop grown on each field. Complete the Phosphorus Index Worksheet below to calculate phosphorus index. For information on filling out specific sections of this table, please refer to the method as described in NRCS Agronomy Technical Note MT-77.

### Appendix A: Phosphorus Index Worksheet (Complete for each field and crop)

Field:		Croj	0:	Ye	ar:			
Field Cutegory Factor	None (0)	Low (1)	Medium (2)	High (4)	Very High (8)	Risk Value (0,1,2,4,8)	Walght Pactor	Weight Risk
Soli Erosion	NA	<5 tons/as/yr	5-10 ton/ac/yr	10-15 tons/ac/yr	QA> 10 for erodible solls		X 1.5	
Furrow Irrigation Erosion	N/A	Tali water recovery, QS>6 very erodible solls, or QS>10 other solls	QS> for erosion resistant soli	QS> for erodible solis	QA>6 for very erodible solls		X 1.5	
Sprinkler Irrigation Erosion	All fields 0- 3% slope, all sandy fields or field evaluation indicates little or no runoff large spray on slime 3-8%	on silty soils 3- 15% slopes, large spray on silty soils 8-	Medium spray on clay soils 3- 8% slopes, large spray on clay soils >15% slope, medium spray on slit soil >1.5% slope	Medium spray on clay soils >8% slope, low spray on clay soil 3-8% slope, low spray on siity soils >15% slopes	Low spray on clay solls >8% slopes		X 1.5	
Runoff Class	Negligible	Very Low or Low	Medium	High	Very High		X 0.5	
Olson Soil Test P		<20 ppm	20-40 ppm	40-80 ppm	>80 ppm		X 0.5	
Commercial P Fertilizer Application Method	None Applied	Placed with Planter or Injection deeper than 2 Inches	incorporated <3 months prior to planting or surface applied during growing season	Incorporated >3 months before crop or surface applied <3 months before crop emerges	Surface applied to pasture or >3 months before crop emerges		X 1.0	
Commercial P Fertilizer Application Rate	None Applied	<30 lbs/ac P205	31-90 lbs/#c P205	91-150 lbs/ac P205	>150 lbs/ac P205		X 1.0	
Organic P Source Application Method	None Applied	injected desper than 2 Inchés	insorparated <3 months prior to planting or surface applied during growing season	Incorporated >3 months before crop or surface applied <3 months before crop.	Surface applied to pasture or >3 months before crop emerges		× 1.0	
Organic P Source Application Rate	None Applied	<30 lbs/ec P205	31-90 lbs/sc P205	91-150 ibs/ac P205	>150 lbs/ac P205	an an an an an an an An an	X 1.0	
Distance to Concentrate d Surface Water Flow	>1,000 fæt	200-1,000 feet, or functioning grass waterways in concentrated surface water	100-200 feet	<100 fest	O feet or application are directly into concentrate d surface water flow areas,		X 1.0	

Total Phosphorus Index Value:

Using the calculated Total Phosphorus Index Value, assign the overall site/field vulnerability to phosphorus loss according to the table below.

Total Phosphorus Index Value	Site Vulnerability to Phosphorus Loss
<11	Low
11-21	Medium
22-43	High
>43	Very High

Using the calculated Site Vulnerability to Phosphorus Loss, determine the appropriate application basis according to the table below.

Site Vulnerability to Phosphorus Lo	ss Application Basis
Low	Nitrogen Needs
Medium	Nitrogen Needs
High	Phosphorus Need Up to Crop Removal
Very High	Phosphorus Crop Removal or No Application

## Phosphorus Index Value: \_\_

Section 10 - NMP Guidance

# Land Application Equipment Calibration

Describe the type of equipment used to land apply wastes and the calibration procedures:

# Implementation, Operation, Maintenance and Recordkeeping

The permittee is required to develop protocols for implementation of the NMP, proper operation and maintenance of the livestock waste control facilities, and recordkeeping as described in Part 2 of the permit.

Have protocols been developed for the operation? A Yes I No

T	he documents below are maintained:	
	Implementation of the NMP:	🕅 Yes 🗖 No
	Facility operation and maintenance:	Yes 🖾 No
	Recordkeeping and reporting	🖉 Yes 🖾 No
	Sample collection and analysis	🗭 Yes 🖾 No
	Manure transfer	🛛 Yes 🗆 No

If your answer to any of the above question is no, provide explanation:

Provide date and location of most recent documentation:

Date: 7-24 Location: Wontley Frechers

### NOI-NMP Certification

The NOI Form certification must be completed by the applicant (owner/operator) responsible for the authorization as identified in Section C. Certification of this NOI is certification that the applicant will comply with the applicable terms of the CAFO General Permit.

Permittee Information: This form must be completed, signed, and certified as follows:

- · For a corporation, by a principal officer of at least the level of vice president;
- For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
- For a municipality, state, federal, or other public facility, by either a principal executive officer or ranking elected official.

### All Permittees Must Complete the Following Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information; including the possibility of fine and imprisonment for knowing violations. [75-5-633, MCA].

Certification of this form indicates conformance with the CAFO General Permit.

Name (Type or Print)	ан Элихан тары арабал тар Элика Салстар тариларда дар дар болгоо балар алар алар тариларда калар тара тара тар Тарилар				
Ty thompson					
Title (Type or Print)	Phone Number				
Owner	406 - 698 - 478 3				
Signature 1	Date Signed				
VI Smalon	7-2-24				
DEQ will nov process this form until all the requested information is supplied, a	nd the appropriate fees are paid.				
Return this NOI-NMP-CAFO Form and the applicable fee payment to:					
Department of Environmental Quality					
Water Protection Bureau					
PO Box 200901					
Helena, MT 59620-0901					
(406) 444-5546					

