I.

DATA INVENTORY FOR PLANNING LIVESTOCK WASTE MANAGEMENT SYSTEMS

A. Contacts Name of Operation	County: Name of Facility Twnshp-Range-Section: Address (RR, PO Box, etc.): City_State_Zin	(See AWMFH Chpt. 2)
A. Contacts Name of Operation	County: Name of Facility: Twnshp-Range-Section: Address (RR, PO Box, etc.):	
Name of Operation	County Name of Facility Twnshp-Range-Section Address (RR, PO Box, etc.): City_State_Zin	
Name of Owner/Operator:	Name of Facility Twnshp-Range-Section: Address (RR, PO Box, etc.): City State Zin	
Principal Contact	Twnshp-Range-Section: Address (RR, PO Box, etc.): City_State_Zin	
Address (RR, PO Box, etc.): City, State, Zip Telephone No	Address (RR, PO Box, etc.):	
City, State, Zip Telephone No	City State Zin	
Telephone No	Oitg, Otato, Zip	
	Telephone No	
concerns, any special problems & management of	bjectives)	the investock facilities, note resol
C. Waste Management Data		
How many times per year is manure/waste co	allocted 2 ls waste stored on site h	oforo disposal/uso2 vos no
How many times per year is manue/waste co		elole disposal/use: yes no
il yes, describe now, where and now long ?		
	Slurry Solid Describe evicting	Nasta handling aquinmont
Describe the frequency for cleaning lots, lane	s, feed bunk areas, etc., or frequency & vo	lume of flushing holding pits.
gutters, parlor & equipment, etc.		
How is runoff currently handled?		
How is runoff currently handled?		
How is runoff currently handled?	e? yes no If yes, how?	
How is runoff currently handled?	e? yes no If yes, how?	

II. WASTE PRODUCTION DATA

Α.	Animal Inventory						
	(a)	(b)	(C)	(d)	(e)	(f)	(g)
		Existing	Maximum	Working	Average	Animal	Confinement
	Animal Type(s)	Capacity	Capacity	Capacity	Weight	Units	Period(s)
		(# head)	(# head)	(# head)	(lb.)	(no.)	(from to)
Confir	nement						
·							
Open	Lot						
·							
			Tota	AU's in Cor	nfinement ^(h)		
			-	Fotal AU's in			
			Total	AU's for Anir	nal Type 1:		
			Total	AU's for Anir	nal Type 2:		
			Total AU's	s (of same sp	Decies) (^(h + i)		
(a)	Describe all animals confined by sp	ecies, age clas	ss (cow vs. calf),	management	group (lactating	g vs. dry cow)	, etc.
(b)	Number of animals on site when inv	ventory was ma	ade.	adiity I laa tha	lat area and/ar	hunk anana	a = mathed(a) to
(0)	determine maximum – contact your	animais that co r area engineer	for more inform	ation.	iot area and/or	burk space a	as method(S) to
(d)	Annual average working capacity to	be used for pl	anning and desi	gn - include pro	oposed expans	ion.	
(e)	Estimate the average weight of this	type of animal	during its confir	ement period.			5.1
(†)	Animal Unit definitions: Slaughter a or Breeding Swine Weighing more	nd Feeder catt	ie, 1.0; Immatur 4 [.] Swine weighir	e Dairy Cattle, o more than 1!	1.0; Mature Da 5 lbs but not mo	iry Cattle, 1.4 ore than 55 lb	; Butcher s 0 1: Sheep or

or Breeding Swine Weighing more than 55 lbs, 0.4; Swine weighing more than 15 lbs but not more than 55 lbs, 0.1; Sheep or Lambs, 0.1; Horses, 2.0; Turkeys, 0.018; Broiler or Layer Chickens, 0.010. Otherwise use the following for animal species not listed previously, multiply the working capacity (b) by the average weight (d) and divide by 1,000 lb. Show the usual time period(s) this type of animal is confined in the facility (e.g. January to April, October to December, etc.).

(g)

В. **Other Solid Waste Generation**

Source	Current Prop Volume Units Vol		Proposed Volume	Units	Notes/Explanation
Bedding		cu.ft./day		cu.ft./day	
Waste Feed		cu.ft./day		cu.ft./day	
Dead Animal Carcasses:		# head/yr		# head/yr	
Other:					

C. **Process Wastewater Generation**

Source	Existing Use		Proposed Use		Notes/Explanation
Milking Parlor		gal/day		gal/day	
Milkhouse related		gal/day		gal/day	
Silage Pit Seepage:		gal/day		gal/day	
Flush tanks/gutters/etc. :		gal/day		gal/day	
Leaking watering facilities:		gal/day		gal/day	
Other:		gal/day		gal/day	

	Existina	Units	Proposed	Units	
Source	Area	(circle one)	Area	(circle one)	Notes/Explanation
Roofs or Covered Lots :		Sq. Ft. or Ac.		Sq. Ft. or Ac.	
Paved open lots:		Sq. Ft. or Ac.		Sq. Ft. or Ac.	
Unpaved open lots::		Sq. Ft. or Ac.		Sq. Ft. or Ac.	
Contributing Drainage Area :		Sq. Ft. or Ac.		Sq. Ft. or Ac.	
Drainage Area to be diverted:		Sq. Ft. or Ac.		Sq. Ft. or Ac.	
Dust and Odors Ocorrent or antici	s pated proble	ems resulting from	dust or odors	produced at the s	ite
E. Dust and Odors	s pated proble	ems resulting from	dust or odors	produced at the s	
Dust and Odors Describe any current or antici	s pated proble	ems resulting from	dust or odors	produced at the s	ite
Dust and Odors Describe any current or antici GITE INVENTORY Legal Descripti	s pated proble on Sectior	ems resulting from	dust or odors	produced at the s	ite. (See AWMFH Chpt. 2 & 8)

To determine if separation distances are adequate for existing and planned structures visit the lowa Department of Natural Resources Animal Feeding Operations website (For details and exceptions to rules see: <u>IDNR website</u>).

B. Location Map (attach map)

III.

Show all of the following within a two mile radius of the facility (note separation distances if possible):

• Location of the facility, public roads and fields receiving waste from the facility;

(distance & direction)

- Location of public, commercial & residential developments;
- Wells, streams, canals, lakes, wetlands, general direction of land slopes, and drainage areas affecting the facility, and the general direction of prevailing winds.

(nearest town)

C. Current and Proposed Facility Map (attach map)

Show pertinent on-site features, such as:

- Location and dimensions of existing or proposed lots, alleys, buildings, ponds, etc.;
- Location of all utilities, dwellings, wells & surface water courses at the site; and

(see AWMFH Chpt. 5, 7, & Appendix 10D)

A. Soil Su	urvey Inf	ormation				
Survey Name:					Da	ate: Map Sheet #:
Dominant	%	Texture/Cl	assification.	% of	Depth to	
Soil Series'	Slope	USDA	USCS	Site	Water, (ft)	Describe any limitations or restrictions

B. Well Logs

Attach completion reports, logs, & any other information available for wells at or adjacent to the site. Information may also be available at the Iowa Geologic Survey well database located at: http://gsbdata.igsb.uiowa.edu/geosam/

C. General Remarks & Interpretations (describe in general any concerns or restrictions that should be considered in the facility plan)

V. WASTE UTILIZATION/DISPOSAL DATA

(see AWMFH Chpt. 6 & 11)

Is waste applied on cropland managed by the operation? *yes no* If no, describe disposal methods for manure and other organic by-products of the operation.

If yes: (a) Describe methods used for waste transport and application:

(b) When is waste spread on the fields? *spring summer fall winter*(c) Estimate the average annual application rate per field _____ (*tons/acre*) (*1000gal/acre*) (*acre-in.*)
(d) Is the waste sampled and tested for nutrient content before/during application? *yes no* If yes, list typical test results for or attach past test results: Total N _____ NO₃: _____ Total P _____

Total K

Total Salts

(e) Are the nutrients in the waste used to replace some or all of the commercial fertilizer that would otherwise be applied to the crop? *yes no*

Field	Area	Transport	•	Slope	Rotation			List any restrictions
No.	(acres)	Distance	Soil Type(s)	(%)	Year	Crop	Yield	on land use

(A) Available Utilization/Disposal Areas

(B) Current and Proposed Application Field Map (attach map)

Are there soil test available for these fields? *yes no* Attach soil tests if available.

Show pertinent on-site features and separation distances for:

- Location of sensitive areas such as water courses, sinkholes, ponds, intakes, etc.;
- Location of all residences, businesses, public use areas, etc; and
- Location of all terraces, waterways, filter/buffer strips, etc.

Visit the Iowa Department of Natural Resources Animal Feeding Operations website to determine adequate separation distances for field application (For more details and exceptions to rules see: <u>.IDNR website.</u>).