

Indiana Department of Environmental Management

Indiana Confined Feeding Permit Program

05/31/07



IDEM Mission Statement

Protect human health and the environment while allowing for environmentally sound activities of industrial, agricultural, commercial, and governmental operations vital to a prosperous economy.



History

- 1971 IC 13-18-10 Confined Feeding Control Law established program
- 1997 Confined Feeding Control Law revised
- 2002 327 IAC 16 Confined Feeding Operations rule adopted
- 2004 327 IAC 15-15 adopted to administer the USEPA CWA program (CAFO's)

- Adopted by Water Pollution Control Board



Types of Permits or Approvals

- CFO Approval
 - 327 IAC 16
- NPDES General Permit
 - 327 IAC 15-15
- NPDES Individual Permit
 - 327 IAC 5-4

Performance Standards

- Protection of water quality
 - Avoid discharges to waters of the state
 - Minimize non point source runoff
 - Prevention of spills
 - Properly operating and maintaining waste storage structures

Number of permitted facilities

- 2250 Total Facilities
 - 1625 Regulated as CFO's
 - 625 Regulated as CAFO's

Construction Requirements

- Confinement buildings, feedlots, manure storage structures, and manure transfer systems
- All waste management structures must be approved prior to construction
- Must be built according to approved plans

Types of Liquid Manure Storage Structures

- Concrete Tanks or Pits
- Earthen Pits or Lagoons
- Prefabricated above ground tanks

Standard Permit Requirements

Setbacks from Environmental Features

For Land Application	Liquid Injection or single-pass incorporation	Liquid Incorporation, app. to pasture, or solid or composted manure app.	Liquid surface application to slope \leq 6% or residue cover	Liquid surface application to slope \geq 6%	FOR MANURE STORAGE FACILITIES Liquid manure	FOR MANURE STORAGE FACILITIES Solid manure
From public water supply wells and public water supply surface intake structures	500	500	500	500	1000	1000
From surface waters	25	50	100	200	300	100
From sinkholes (lowest point)	25	50	100	200	300	100
From wells	50	50	100	200	300 (offsite) 100 (onsite)	100
From drainage inlets	5	50	100	200	300	100
From property lines and public roads	0	10	50	50	100	100

AFO – Nutrient Management

- Manure storage facilities must be structurally sound and provide at least 6 months storage capacity
- Must demonstrate access to sufficient acreage suitable for land application

AFO – Nutrient Management

- Land application is based upon agronomic rate calculations including:
 - Nutrient needs of crops to be grown
 - Nutrient levels in the manure and commercial fertilizer
 - Soil nutrient levels
- Record Keeping

How much land is needed for land application each year

- 400,137 acres or 3.3% of Indiana cropland

* As of December of 2006

Rank	County	Acres Committed	% of Total Acres
1	Wabash	21,559	11.4
2	Dubois	20,811	14.8
3	Jay	20,312	11.7
4	Jasper	19,327	7.4
5	Kosciusko	18,226	8.1

Summary

- IDEM's Confined Feeding Program protects the waters of the state
- Questions?

Contact Information

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