

FSBI

Environmental Stewardship

*Kevin Gould, Beef Area-of-Expertise Agent
Michigan State University Extension*



Acronyms

- MDA Michigan Department of Agriculture
- EPA Environmental Protection Agency
- CNMP Comprehensive Nutrient Mgmt. Plan
- MMSP Manure Management Systems Plan
- NRCS Natural Resources Conservation Service
- MAEAP Michigan Agriculture and Environmental Assurance Program
- GAAMPS Generally Accepted Agricultural Management Practices

Environmental Standards

Cattlemen are the original stewards of the land. They depend on the land for their livelihood.

Good management demands that cattlemen care for the environment for their own welfare, as well as for future generations.

Drafted from NCBA Environmental Stewardship Section.



Cattlemen, as individuals and as an industry, are actively working to protect and improve the environment.

Cattlemen recognize how good environmental stewardship and good business go hand-in-hand.

Drafted from NCBA Environmental Stewardship Section.





- Michigan Right to Farm Act Generally Accepted Agriculture Management Practices (GAAMPS)
- Voluntary guidelines to protect farmers from nuisance litigation

Proper Disposal of Animal Carcasses in Michigan

- Burial within 24 hours with two feet of soil cover
- Landfill (list available form MSUE)
- Composting (reference guidelines from DEQ)
- Burning – burial or land application of ash
- Rendering pick-up (difficult and costly)

(Reference guide to bodies of dead animals act)



Manure Management GAAMPS

- Runoff Control
- Manure Storage Construction and Design
- Manure Application to Land
- Site Selection and Odor Control



Livestock - Water - Runoff

- Water resources have historically been an asset for beef producers, but today surface water might be seen as an environmental risk or liability.
- Michigan has a 'zero discharge' standard for release of pollutants into waters of the state.



Runoff Red Flags

- Runoff from lots, buildings, pastures, etc. that carries nutrients and reaches surface waters
- Cattle in the creek! Direct discharge into surface waters
- Cattle crossing or access for drinking are acceptable (cost-share option)



Construction and Design

- Grazing layout -consult MSU Extension or NRCS staff for expertise
- Confinement Facilities - consult Extension, NRCS, or Facility Engineers such as ADL in Portland, MI for proper manure storage plans.



Non-compliance with RTF

- Given adequate time to correct problems through MDA Right to Farm (RTF)
- If compliance is not obtained and a case is turned over to DEQ for regulatory action – this farm would relinquish its FSBI Certification until the farm is in compliance.



Site Selection and Odor Control

- In 2000, Michigan amended the Right to Farm Act to include GAAMPS for site selection and odor control
- New or expanding livestock production facilities with 50 animal units or more



Site Selection Guidelines

- Categorizes sites for livestock operations by animal units and number of non-farm neighbors with $\frac{1}{4}$ mile.
- Defines a Site Plan and a Manure Management Systems Plan (MMSP)
- Defines MDA role in site review and verification of sites



Livestock Sites Fall into 1 of 3 General Categories:

- 1) Sites normally acceptable for livestock production facilities.
- 2) Sites where special technologies and/or management practices would be needed to make new or expanding facilities acceptable.
- 3) Sites that are not acceptable for new and expanding livestock production facilities.



Site Review and Verification for New or Expanding

- Producers seeking protection under the Right to Farm Act for facilities with a capacity of 50 animal units or more should follow the procedures.
- Begin procedure by contacting MDA to review your site plan
- Site verification requires submission of a formal site request letter to MDA

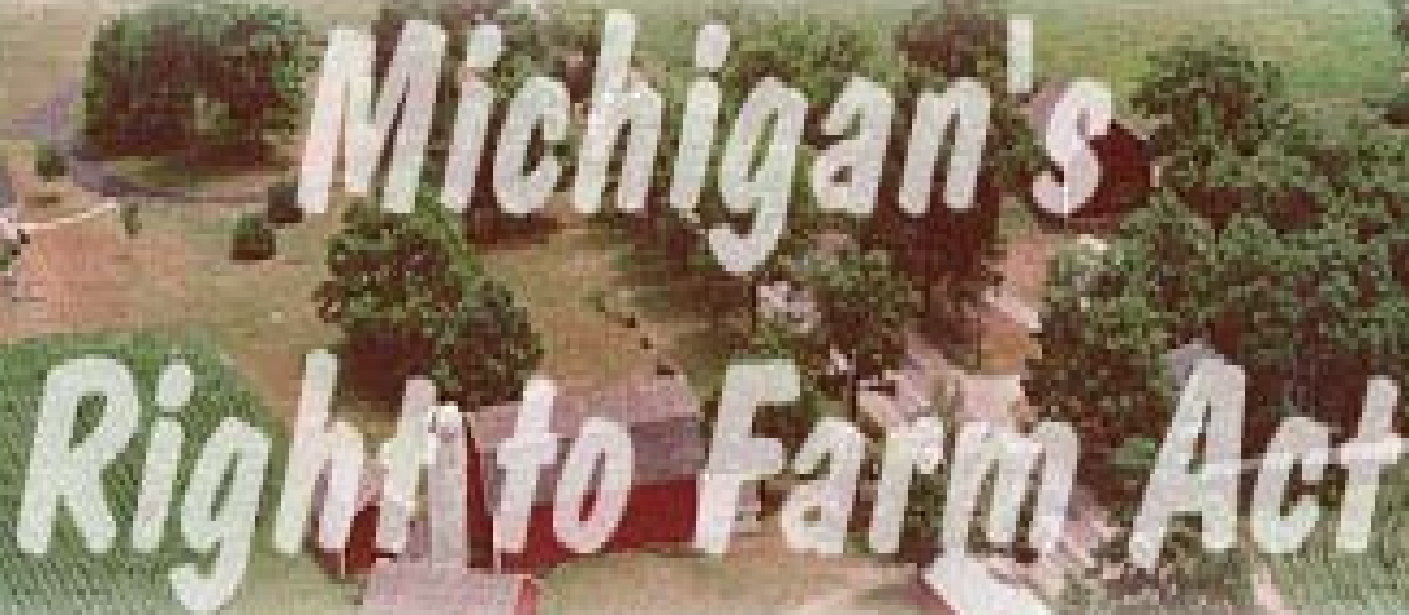
Contact MDA for Site and Odor Control GAAMPS



New Regulatory Permits from EPA

- Follow GAAMPS
- 1,000 animal units and had MDA or DEQ verified discharge of nutrients from your farm in the past two years, you will be required to obtain a permit and complete a CNMP. (\$)
- Other farms over 1,000 animal units can obtain the production permit or enroll in MAEAP and complete a MMSP.
- Farms under 1,000 animal units will be exempt unless a complaint is filed.





Michigan's Right to Farm Act

***Assuring Michigan Agriculture
Producers the Right to Farm
while Promoting
Environmental Stewardship***
1-877-MDA-1-RTF

(1-877-632-1783)

