

# Encouraging Wise Environmental Choices for Farm Anaerobic Digesters

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# Overview

- Air Quality
- Water Quality
- Wetlands
- Solid Waste
- Pollution Prevention Financing

# Air Quality

- General rule: permit required if emit air contaminant unless exempted
- Digesters: potential through digestion process or gas combustion
- Determine need for permit before construction

# Air Permit Requirements

- Depends on how gas is managed
  - If piped off site: no permit
  - If on-site flare or boiler: permit if SO<sub>2</sub> emission rate is greater than 1 lb/hour
  - If on-site generator: permit if generator heat capacity is greater than 10 million Btu/hour

# Odors

- Air act prohibits odors causing nuisance conditions
- Farm odors exempted if in compliance with GAAMPs
- MDA and DEQ role

# Water Quality

- Separate permit normally not required if digester managing only manure
- Include digester under manure management system on CNMP in permit
- Permit may needed to land apply if use other wastes or for non-farm digesters

# Wetlands

- What is a wetland?
- Permit may be required for wetland disturbance during construction or operation

# Solid Waste

- Approvals may be necessary if digester uses material other than manure

# Pollution Prevention Financing

- Low interest loan potential for small businesses
- Small business: Less than 500 employees
- Up to \$400,000 with 5% or less interest rate