## **WATER POLICY**



## Clean Water Act

## What Producers and Agricultural Business Owners Should Know

Alexa J. Lamm & Pei-wen Huang<sup>1</sup>

The Clean Water Act is a federal law that regulates pollutant discharges to ensure water quality standards for surface water is upheld. A variety of pollution control programs have been implemented by the U.S. Environmental Protection Agency under the Clean Water Act. The Clean Water Act requires all states establish water quality standards according to designated uses of water bodies and to monitor water quality. It provides a system for identifying impaired waters and for developing estimated loads of pollutants that each water body could receive and still meet water quality standards.

## Some things to know about the Clean Water Act:

In Florida, two agencies are involved in setting rules for ensuring a level of water quality in Florida's rivers, streams, lakes, canals, and estuaries: the U.S. Environmental Protection Agency (USEPA) and the Florida Department of Environmental Protection (FDEP). The USEPA enforces the Clean Water Act of 1972, and also ensures that states have appropriate rules to protect water quality. The FDEP creates the processes for stakeholders and citizens to follow to meet water quality goals.

- 1. A water body (e.g. lake, estuary, section of river) is assigned a **designated beneficial use** which could be:
  - Class I Potable Water Supplies
  - Class II Shellfish Propagation or Harvesting
  - Class III Fish Consumption, Recreation
  - Class IV Agricultural Water Supplies
  - Class V Navigation, Utility and Industrial Use
- 2. Water quality of the water body is compared to **water quality standards** for that designated use. Florida uses numeric criteria for nutrients. A numeric standard defines the maximum nitrogen and/or phosphorus concentration in a water body that will maintain its designated use (see <a href="http://edis.ifas.ufl.edu/pdffiles/SS/SS52800.pdf">http://edis.ifas.ufl.edu/pdffiles/SS/SS52800.pdf</a>).
- 3. If the surface water does not meet water quality standards, it is considered "impaired." This means it is polluted to the extent that it is not meeting the designated use. It might be too polluted to swim in, or too polluted to harvest shellfish.
- 4. When a water body is impaired, a Total Maximum Daily Load (TMDL) of pollutant is calculated for it. A **TMDL** is established for each pollutant of concern for the impaired water body. Excessive nitrogen and phosphorus often come from fertilizers, and sometimes from leaky septic tank systems and faulty water treatment plants.





- 5. Because rain and runoff capture pollutants and bring them to the receiving water body, an action plan is designed for the watershed (basin) that drains to that water body. A Basin Management Action Plan (BMAP) is developed by FDEP with public input for the land around an impaired water body. This plan affects managers of water treatment plants, municipalities managing stormwater, agricultural producers and other residents.
- 6. Best Management Practices (BMPs) are part of the BMAP. The BMPs are actions and practices that are researched for effectiveness, documented and training is provided for how to implement them.
- **7.** The effectiveness of the BMAP is measured by monitoring water quality of the water body and related tributaries every 5 years. Water quality continues to be monitored over time.

Additionally, the USEPA provided specific information about agriculture-specific requirements. The requirements are categorized as:

Animal feeding operations	http://www.epa.gov/agriculture/anafoidx.html
Aquaculture projects	http://www.epa.gov/agriculture/lcwa.html -
	Aquaculture Projects
Concentrated aquatic animal production	http://www.epa.gov/agriculture/lcwa.html -
facilities	Concentrated Aquatic Animal Production
	<u>Facilities</u>
Biosolids and agriculture	http://www.epa.gov/agriculture/lcwa.html -
	Biosolids and Agriculture
Nonpoint source pollution and	http://www.epa.gov/agriculture/lcwa.html -
agriculture	Nonpoint Source Pollution and Agriculture
Estuaries and agriculture	http://www.epa.gov/agriculture/lcwa.html -
	Estuaries and Agriculture
National Coastal Water Program and	http://www.epa.gov/agriculture/lcwa.html -
agriculture	National Coastal Water and Agriculture
Oil Spill Prevention, Control and	http://www.epa.gov/agriculture/lcwa.html -
Countermeasures Plan and agriculture	SPCC
TMDLs and agriculture	http://www.epa.gov/agriculture/lcwa.html -
_	TMDLs and Agriculture
Wetlands and agriculture	http://www.epa.gov/agriculture/lcwa.html -
_	Wetlands and Agriculture

For more information visit <a href="https://www.piecenter.com/pep">www.piecenter.com/pep</a>.

<sup>1</sup>Authored by Alexa J. Lamm, Assistant Professor, Department of Agricultural Education and Communication and Associate Director, UF/IFAS Center for Public Issues Education at the University of Florida and Pei-wen Huang, Graduate Assistant, Department of Agricultural Education and Communication, University of Florida.

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