



**I**n 1994 the Florida Legislature enacted the Everglades Forever Act to conserve and protect the natural resources and water quality in the Everglades Protection Area. Protecting the Everglades is also a high priority for the Village of Wellington. It has been determined that waters flowing into the Everglades contain excessive levels of phosphorus. In an effort to reduce phosphorus levels in our surface water management system, the Wellington Village Council adopted Ordinance 2000-18 for the purpose of establishing Best Management Practices (BMP) for Livestock waste and fertilizer application.

The BMP program is designed to reduce and prevent phosphorus discharges into the Village's surface water management system. The regulations that follow specifically address the storage and disposal of livestock waste.

The Village of Wellington has formed a Surface Water Action Team (SWAT) comprised of

engineers and consultants that specialize in water quality to assist the Village in addressing water quality issues in our community. Through their efforts, the Village of Wellington entered into a cooperative agreement with the South Florida Water Management District (SFWMD) to perform a water quality monitoring program to identify water quality problem areas within the Village. Although the extent and exact source(s) of the phosphorus problem have not yet been determined, livestock waste and fertilizer applications have been identified as the primary contributors of phosphorus discharge. The Village of Wellington will continue to closely monitor the quality of water being discharged into the Everglades and will implement a variety of programs including:

- Dredging of canals to remove sediments with phosphorus buildup
- Harvesting of aquatic weeds
- Regulating the use of fertilizers
- Licensing and franchising of livestock waste haulers
- Ongoing education program

"We are confident that with the implementation of Best Management Practices and the cooperation of our residents, the Village will be successful in reducing our phosphorus discharge into the Everglades," said Mayor Thomas Wenham.



**VILLAGE OF WELLINGTON**  
**14000 GREENBRIAR BOULEVARD**  
**WELLINGTON, FL 33414**

## Village Council

### MAYOR

**Thomas M. Wenham ... 561-793-3342**

### VICE MAYOR

**Lizbeth Benacquisto ... 561-791-0231**

### COUNCILWOMAN

**Laurie S. Cohen ..... 561-793-8022**

### COUNCILMAN

**Robert S. Margolis ... 561-793-0313**

### COUNCILMAN

**Dr. Carmine A. Priore ... 561-791-0991**

### VILLAGE MANAGER

**Charles H. Lynn, AICP.. 561-791-4000**



**BE WISE!**

**DOING OUR PART TO SAVE THE EVERGLADES**



Exhibit 32

# WELLINGTON'S "BMP" EDUCATION PROGRAM

## LIVESTOCK WASTE STORAGE STRUCTURES



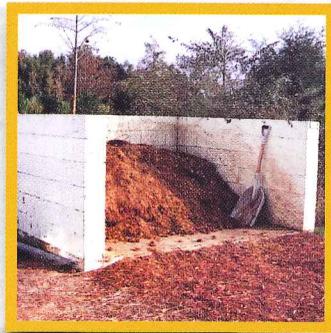
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# LIVESTOCK WASTE STORAGE STRUCTURES

**P**er The Village's BMP ordinance, livestock waste storage areas shall be constructed or retrofitted, so that no liquid is

released into the environment. Although the ordinance does not specifically describe from which material the structure

should be constructed, it is advised that the storage areas be built out of cement block and have a concrete floor as shown.



In addition, mechanical containers such as a roll-off containers and dumpsters may also be used, if it is protected from the rainfall or no liquid is released.

Before reconstruction or construction of any type commences, a building permit must be obtained from the Village's Planning, Zoning and Building Department. Call **753-2430** for more information.

The following are suggestions and ideas that should be considered prior to designing and/or constructing any type of livestock waste structure:

- 1) Livestock waste storage shall be constructed so that no rainfall is allowed to enter or so that no liquid is released.
- 2) The storage structures should be located:

- 5 feet away from any roof overhang.
- 50 feet away from any drainage conveyance or drainage inlet.
- 100 feet away from any water body.
- 150 feet away from a potable water supply well.

- 3) The structure should contain a concrete floor, concrete block side walls on three sides, and concrete curb or lip at least 2" in height on the open side to prevent liquids from entering or leaving the storage area.
- 4) The interior dimensions should be at least wide enough to allow whatever machinery is used to empty it to enter it.
- 5) The storage structure should be elevated above the surrounding area to the extent necessary to prevent ponding.

- 6) If a mechanical container is used (roll-off or dumpster), the container should be placed on a concrete or asphalt pad which contains at least a 2" curb around the entire container storage area which is elevated 1 foot above the surrounding grade.

Contact VOW Public Works Department at **791-4003** for construction guidelines.



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**The Village of Wellington has recently agreed to implement "Best Management Practices" (BMP's), a program designed to lower phosphorus levels in the Village's waterways.**

**S**ince one of the main components of fertilizer is phosphorus, it is important that you familiarize yourself with the BMP requirements:

- All fertilizers shall be stored in a dry storage area protected from rainfall and ponding.
- No fertilizer containing in excess of 2% phosphate/phosphorus (P<sub>2</sub>O<sub>5</sub>) per guaranteed analysis label (as defined by Chapter 576, Florida Statutes) shall be applied to turfgrass, pastures, paddocks, or used in nurseries unless justified by a soil test.
- Fertilizer containing in excess of 2% phosphate/phosphorus (P<sub>2</sub>O<sub>5</sub>) per guaranteed analysis label shall not be applied within 5 feet of the edge of water or within 5 feet of a drainage facility.
- All fertilizer shall be applied such that spreading of fertilizer on all impervious surfaces is minimized.
- Liquid fertilizers containing in excess of 2% phosphate/phosphorus (P<sub>2</sub>O<sub>5</sub>) per guaranteed analysis shall not be applied through an irrigation system within 10 feet of the edge of water or within 10 feet of a drainage facility.
- Liquid fertilizers containing in excess of 2% phosphate/phosphorus (P<sub>2</sub>O<sub>5</sub>) per guaranteed analysis label shall not be applied through high or medium mist application or directed spray application within 10 feet of the edge of the water or within 10 feet of a drainage facility.



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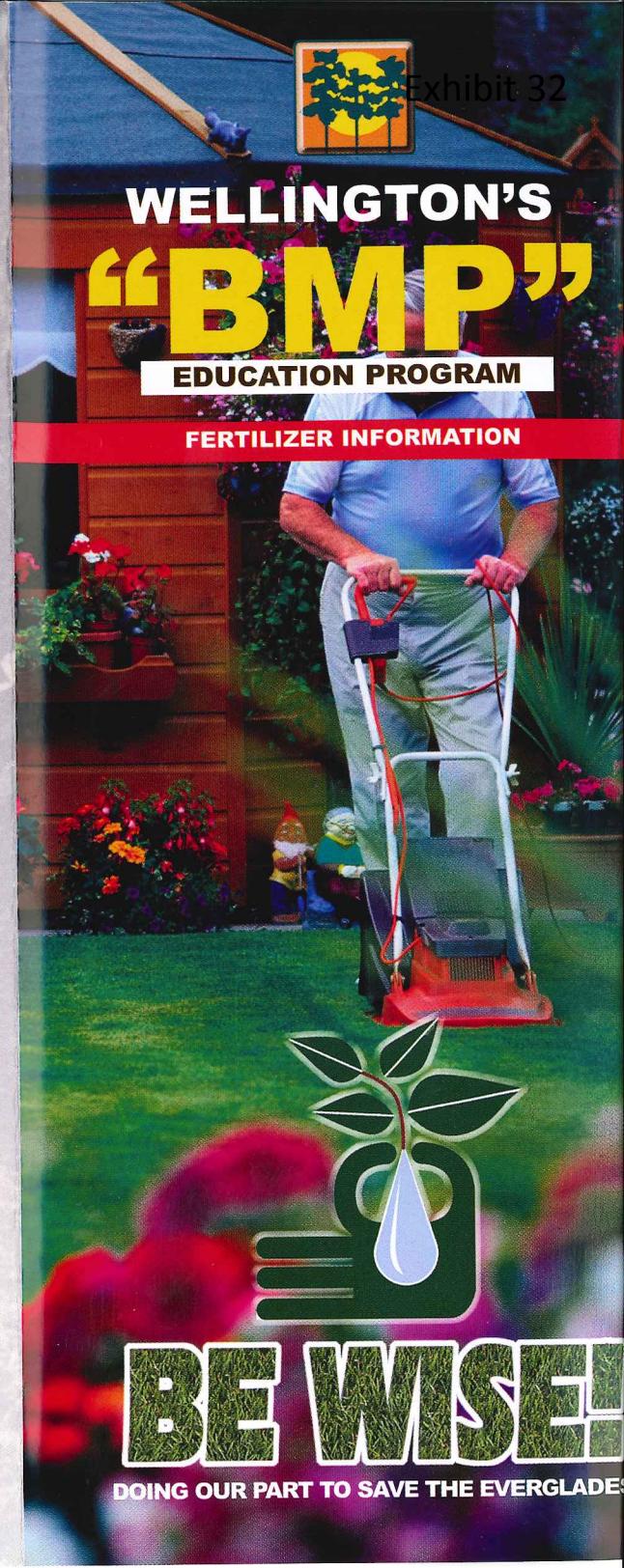
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# WELLINGTON'S "BMP"

EDUCATION PROGRAM

FERTILIZER INFORMATION



# BE WISE!

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# FERTILIZER MANAGEMENT INFORMATION

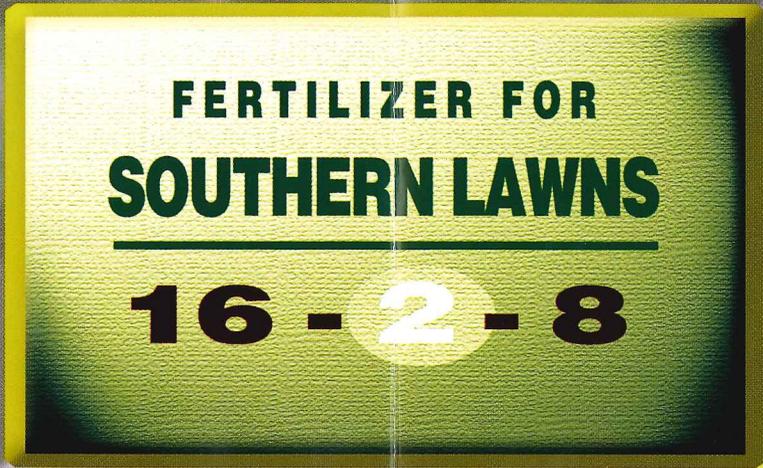
## WHY IS IT NECESSARY TO MANAGE FERTILIZER USE AND HORSE MANURE?

**T**he fertilizers used on lawns, landscaping, golf courses, nurseries, pastures, recreational and polo fields, etc. contain phosphorus. Phosphorus is a nutrient which promotes the growth of exotic plants that are harmful to the Everglade's fragile ecosystem. It is necessary to manage fertilizer use to control phosphorus levels.

## WHY IS THIS IMPORTANT TO WELLINGTON RESIDENTS?

**W**hen it rains, the stormwater runoff carries away the phosphorus found on lawns and in the ground from fertilizers and manure. Grass clippings along with the phosphorus is then washed into Wellington's drainage network of canals and lakes that eventually discharge into the Everglades Protection Area. The Everglades Forever Act mandates that all water entering this two million acre region must meet water quality goals by the year 2006.

## "DOING OUR PART TO SAVE THE EVERGLADES"



On fertilizer labels, phosphate levels are indicated by the middle number.

**T**his state law requires Wellington to reduce the phosphorus levels in its stormwater discharge. This can be accomplished through the construction of stormwater treatment areas. Alternatively, Wellington can combine treatment areas with Best Management Practices for fertilizer use and horse manure to provide a more economical solution.

## WHAT ARE BEST MANAGEMENT PRACTICES OR BMPs?

**BMPs** are practices that minimize environmental impacts while still maintaining economic viability. In this case, they will minimize phosphorus levels, thereby helping to reduce the cost to taxpayers for the stormwater treatment areas.

If you effectively utilize BMPs you will help keep phosphorus levels in balance with plant needs and the levels that already exist in the soil.

## BMPs FOR USING FERTILIZER AND HORSE MANURE IN WELLINGTON

Use fertilizers that contain minimum levels of phosphate:

**T**he soils in Wellington typically have adequate phosphorus levels, so look for slow-release or organic fertilizers with minimum phosphate levels, as indicated by the middle number (2) on the fertilizer bags. Fertilizers should never be applied above the recommended levels, no matter what the fertilizer label states.

Have your soil tested and find out the recommended levels for fertilizers. Contact the local office of the University of Florida's Institute of Food and Agricultural Services (IFAS) at (561) 233-1712. Self test kits for soil are also available.



# BE WISE!

ONLY YOU CAN PREVENT POLLUTION!