

Wellhead Policy Revisions

October 17, 2003

Revise existing Conservation and Aquifer Recharge Element Policy 7.6 under the "Groundwater Resources" section and corresponding Future Land Use Element Policy A-6.9. Add new Policy 3.11 under the "Surface Water Resources" section of the Conservation and Aquifer Recharge Element.

Ground Water Resources

Conservation and Aquifer Recharge Element Policy 7.6:

- a. The County shall continueⁱ a comprehensive wellhead protection program that shall include the determination of wellhead resource protection areas (WRPAs) surrounding potable water supply wells and criteria for restrictions and prohibitions to be applied within the delineated wellhead resource protection area.
- b. Public potable water supply wells included in the County's wellhead resource protection program shall include publicⁱⁱ water wells and aquifer storage and recovery (ASR) wells that are intended for drinking, culinary or domestic purposes, and are permitted by a consumptive/water use permit with a daily amount of 100,000 gallons-per-day (gpd) or greater.
- c. The County shall maintainⁱⁱⁱ wellhead resource protection areas using available data and analysis, on a map adopted as part of the Future Land Use Map (FLUM) series, showing where land uses, regulated or associated activities may be regulated or prohibited to prevent potential degradation of public potable water supply wells. Regulated substances shall be those substances listed in 40 CFR, Chapter 1, Table 302.4, as amended.
- d. The County shall protect existing and planned future wellheads of public potable water supply wells adopted in Tampa Bay Water's Master Water Plan through the regulation of land use activities, and the regulation and prohibition of substances or associated activities that have been established to be significant threats to the present or future use of such wells for potable water purposes.
- e. The County shall protect existing and planned future wellheads of public potable water supply wells through the identification of prohibited activities in wellhead resource protection areas. Such prohibited activities are those that have been established to be significant threats which can degrade or contaminate the water resources of the County, such as and including, but not necessarily limited to: new and expanding sanitary landfills, phosphogypsum piles, industrial land use designations, concentrated animal feeding operations, dairy farm storage and treatment facilities, interim wastewater treatment plants, stormwater discharges to the Floridan aquifer, land applications of sludge and septage, and placement of underground storage tanks within 1000 feet of a public potable water supply well. Additionally, the County shall identify certain substances as regulated substances and shall require that handling of

said substances in the WRPA be in accordance with state and federal mandates. Regulated substances shall be those substances listed in 40 CFR, Chapter 1, Table 302.4, as amended.

- f. The County shall continue^{iv} a permitting, inspection and enforcement program for the County's policies and regulations to protect wellhead resources for public potable water supplies in wellhead resources protection areas. **(Policy revised per Final Order of the Governor and Cabinet)**
- g. No additional areas shall be designated with industrial land use plan categories within the WRPAs.
- h. The County shall protect potable water wellfields with a potable water well protection area of a 500 foot radial setback from a potable water well. Potable water wellfield means the site of one or more water wells which supply potable water for human consumption to a water system which serves at least 15 service connections used by year-round residents or regularly serves at least 25 year-round residents. Florida Department of Environmental Protection Chapter 62-521, as amended, protection measures shall apply in the potable water wellfield protection area. The potable water wells and the 500 foot radial setback shall be shown on a map adopted as part of the FLUM series.

Surface Water Resources

Conservation and Aquifer Recharge Element Policy 3.11:

- a. By December 31, 2004, the County shall establish a comprehensive surface water protection program that shall include the determination of Surface Water Resource Protection Areas (SWRPAs) surrounding surface water bodies used as part of the public potable water supply system and criteria for restrictions and prohibitions to be applied within the SWRPAs.
- b. Surface water bodies designated as part of the potable water supply system shall be protected by a SWRPA which is based on the 100 year flood plain and any setbacks as may be required by law/regulation to protect the surface water resource. The County shall maintain SWRPAs using available data and analysis, on a map adopted as part of the Future Land Use Map (FLUM) series, showing where land uses, regulated or associated activities may be regulated or prohibited to prevent potential degradation of public potable water supply sources.
- c. The County shall protect existing and planned future sources of public potable water supply adopted in Tampa Bay Water's Master Water Plan through the regulation of land use activities, and the regulation and/or prohibition of substances or associated activities that have been established to be significant threats to the present or future use of such natural resources for potable water purposes.

- d. The County shall protect existing and planned future sources of public potable water supply through the identification of prohibited activities in SWRPAs. Such prohibited activities are those that have been established to be significant threats which can degrade or contaminate the water resources of the County, such as and including, but not necessarily limited to: new and expanding sanitary landfills, phosphogypsum piles, industrial land use designations, concentrated animal feeding operations, dairy farm storage and treatment facilities, interim wastewater treatment plants, stormwater discharges to the Floridan aquifer, land applications of sludge and septage, and underground storage tanks. Additionally, the County shall identify certain substances as regulated substances and shall require that handling of said substances in a SWRPA be in accordance with local, state and federal mandates. Regulated substances shall be those substances listed in 40 CFR, Chapter 1, Table 302.4, as amended.
- e. The County shall maintain a permitting, inspection and enforcement program for the County's policies and regulations to protect surface water resources for public potable water supplies in SWRPAs.
- f. No additional areas shall be designated with industrial land use plan categories within the SWRPAs.

ⁱ CPA 99-18 – Modified policies to reflect currently established wellhead resource protection areas, permit inspection and enforcement program into the Element. Ordinance # 99-30, adopted by BOCC 12/16/99, DCA Notice of Intent published on 2/7/00 *Tampa Tribune*, effective date of amendment 2/29/00.

ⁱⁱ CPA 99-18 – Modified policies to reflect currently established wellhead resource protection areas, permit inspection and enforcement program into the Element. Ordinance # 99-30, adopted by BOCC 12/16/99, DCA Notice of Intent published on 2/7/00 *Tampa Tribune*, effective date of amendment 2/29/00.

ⁱⁱⁱ CPA 99-18 – Modified policies to reflect currently established wellhead resource protection areas, permit inspection and enforcement program into the Element. Ordinance # 99-30, adopted by BOCC 12/16/99, DCA Notice of Intent published on 2/7/00 *Tampa Tribune*, effective date of amendment 2/29/00.

^{iv} CPA 99-18 – Modified policies to reflect currently established wellhead resource protection areas, permit inspection and enforcement program into the Element. Ordinance # 99-30, adopted by BOCC 12/16/99, DCA Notice of Intent published on 2/7/00 *Tampa Tribune*, effective date of amendment 2/29/00.

Future Land Use Element Policy A-6.9:

- a. The County shall continue a comprehensive wellhead protection program that shall include the determination of wellhead resource protection areas (WRPAs) surrounding potable water supply wells and criteria for restrictions and prohibitions to be applied within the delineated wellhead resource protection area.
- b. Public potable water supply wells included in the County's wellhead resource protection program shall include public water wells and aquifer storage and

recovery (ASR) wells that are intended for drinking, culinary or domestic purposes, and are permitted by a consumptive/water use permit with a daily amount of 100,000 gallons-per-day (gpd) or greater.

c. The County shall maintain wellhead resource protection areas using available data and analysis, on a map adopted as part of the Future Land Use Map (FLUM) series, showing where land uses, regulated or associated activities may be regulated or prohibited to prevent potential degradation of public potable water supply wells. Regulated substances shall be those substances listed in 40 CFR, Chapter 1, Table 302.4, as amended.

d. The County shall protect existing and planned future wellheads of public potable water supply wells through the regulation of land use activities, and the regulation and prohibition of substances or associated activities that have been established to be significant threats to the present or future use of such wells for potable water purposes.

e. The County shall protect existing and planned future wellheads of public potable water supply wells through the identification of prohibited activities in wellhead resource protection areas. Such prohibited activities are those that have been established to be significant threats which can degrade or contaminate the water resources of the County, such as and including, but not necessarily limited to: new and expanding sanitary landfills, phosphogypsum piles, industrial land use designations, concentrated animal feeding operations, dairy farm storage and treatment facilities, interim wastewater treatment plants, stormwater discharges to the Floridan aquifer, land applications of sludge and septage, and placement of underground storage tanks within 1000 feet of a public potable water supply well. Additionally, the County shall identify certain substances as regulated substances and shall require that handling of said substances in the WRPA be in accordance with state and federal mandates. Regulated substances shall be those substances listed in 40 CFR, Chapter 1, Table 302.4, as amended.

f. The County shall continue a permitting, inspection and enforcement program for the County's policies and regulations to protect wellhead resources for public potable water supplies in wellhead resources protection areas. (Policy revised per Final Order of the Governor and Cabinet).ⁱⁱⁱ

g. No additional areas shall be designated with industrial land use plan categories within the WRPAs.

h. The County shall protect potable water wellfields with a potable water well protection area of a 500 foot radial setback from a potable water well. Potable water wellfield means the site of one or more water wells which supply potable water for human consumption to a water system which serves at least 15 service connections used by year-round residents or regularly serves at least 25 year-round residents. Florida Department of Environmental Protection Chapter 62-521, as amended, protection measures shall apply in the potable

water wellfield protection area. The potable water wells and the 500 foot radial setback shall be shown on a map adopted as part of the FLUM series.