

Florida Department of Environmental Protection



Upper Wakulla River and Wakulla Springs BMAP Plan Forward and WWTF Standards

October 31, 2013





BMAP Plan Forward



BMAP Comments

- Thank you to everyone who took the time to review the draft BMAP and provide comments.
- A lot of comments were received from various entities and organizations.
 - Comments are posted to the FTP site at http://publicfiles.dep.state.fl.us/DEAR/BMAP/Upper%20Wakulla/09192013_DraftBmap%20Comments/.
- The comments received covered many aspects of the BMAP components.
- The Department is in the process of reviewing the comments and editing the BMAP.



Comments Submitted

- The major categories of the comments submitted include:
 - Need for greater reductions now.
 - Need for detailed allocations.
 - Future growth considerations.
 - Responsibility for onsite sewage treatment and disposal systems (OSTDS) and associated load reductions.
 - Commitment to the OSTDS Initiative.
 - Purpose of the OSTDS Initiative.
 - Monitoring plan elements.
 - Wastewater treatment facility (WWTF) standards.
 - Georgia sources.



Plan Forward

- The Department will complete its review of the comments submitted.
- Another stakeholder meeting will be held to discuss the plan forward and to review the revised draft BMAP.
- The next meeting on the draft BMAP is projected be in early 2014.
 - There may be a need for a technical meeting before the end of the year.



WWTF Standards



WWTF Treatment Requirements

- As part of the BMAP, the Department established new treatment requirements for new and existing WWTFs within PFA1.

Facility	Permit Number	Design Capacity (million gallons per day)	Disposal Method
T.P. Smith Water Reclamation Facility	FLA010139	27.5	Spray field
Woodville Elementary School	FLA010136	0.01	Rapid infiltration basin
DISC Village	FLA010137	0.03	Rapid infiltration basin
Winco Utilities, Inc.	FLA016544	0.495	Spray field
Lake Bradford Estates	FLA010148	0.043	Absorption beds



WWTF Treatment Requirements (cont.)

- New requirements apply to new and existing WWTFs in PFA1:
 - Design capacity of 100,000 gallons per day (gpd) or greater shall achieve a final effluent annual average total nitrogen (TN) concentration of 3.0 mg/L.
 - Winco Utilities, Inc. WWTF.
 - T.P. Smith Water Reclamation Facility.
 - Design capacity of less than 100,000 gpd to 20,000 gpd shall meet an annual average TN of 6.0 mg/L in the final effluent.
 - DISC Village WWTF.
 - Lake Bradford Estates WWTF.
 - Design capacity of less than 20,000 gpd shall meet an annual average TN of 10.0 mg/L limit in the final effluent.
 - Woodville Elementary School WWTF.



WWTF Treatment Requirements (cont.)

- The capacity thresholds and TN limitations are based on consideration of “*Evaluation of Nitrogen and Phosphorus Removal Technologies for Small Wastewater Treatment Plants*,” October 1998, and “*A Strategy for Water Quality Protection: Wastewater Treatment in the Wekiva Study Area*,” December 2004.
- The owners of existing facilities shall be given an opportunity to demonstrate a reasonable assurance the discharge is protective of water quality with respect to the target nitrate-nitrogen level of 0.35 mg/L as established by the TMDL.
 - Should the Department concur, the existing facility will not be subject to the applicable TN requirement.