



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

---

3301 Gun Club Road, West Palm Beach, Florida 33406 • (561) 686-8800 • FL WATS 1-800-432-2045 • TDD (561) 697-2574  
Mailing Address: P.O. Box 24680, West Palm Beach, FL 33416-4680 • [www.sfwmd.gov](http://www.sfwmd.gov)

December 13, 2006

Secretary Colleen M. Castille  
Florida Department of Environmental Protection  
Marjory Stoneman Douglas Building  
3900 Commonwealth Blvd.  
Tallahassee, Florida 32399

Dear Secretary Castille:

**Subject: Request to modify Everglades permits nos. 0195030 (STA-1E EFA Permit), FL0304549 (STA-1E NPDES Permit), 503074709 (STA-1W EFA permit), FL0177962-001 (STA-1W NPDES permit), 0126704 (STA-2 EFA permit), FL0177946-001 (STA-2 NPDES permit), 0192895 (STA-3/4 EFA permit), FL0300195 (STA-3/4 NPDES permit), 0131842 (STA-5 EFA permit), FL0177954 (STA-5 NPDES permit), 262918309 (STA-6 EFA permit), and 06502590709 (non-ECP EFA permit).**

On December 19, 2003, the District submitted an application for permit modification, pursuant to subsection 373.4592(10) of the Everglades Forever Act (EFA) to modify the referenced permits that authorize the District to discharge waters into the Everglades Protection Area ("EPA"). As explained then, the permits needed to be modified in order to implement the projects and strategies set forth in the *Everglades Protection Area Tributary Basins Long-Term Plan for Achieving Water Quality Goals* ("Long-Term Plan"). That application was subsequently amended on November 15, 2004 and November 22, 2005, to include revisions to the Long-Term Plan approved by the Department after the District's initial submission.

The District hereby amends its application for permit modification to include authorization to discharge in accordance with the net improvement moderating provisions set forth in Rule 62-302.540(6), Florida Administrative Code. The District has provided reasonable assurances that it will implement Best Available Phosphorus Reduction Technology ("BAPRT"), including a continued research and monitoring program to reduce outflow concentrations of phosphorus. Additionally, the District has demonstrated that operation of the facilities is critical to improving the quality of water currently flowing to the EPA and that discharges from these facilities are into impacted areas.

Documents on file with the Department which demonstrate reasonable assurances that the District is implementing BAPRT include the District's Long-Term Plan documents, which have been submitted to and approved by the Department, and the annual reporting requirements submitted in accordance with the above referenced permits.

---

#### GOVERNING BOARD

Kevin McCarty, *Chair*  
Irela M. Bagué, *Vice-Chair*  
Miya Burt-Stewart

Alice J. Carlson  
Michael Collins  
Nicolás J. Gutiérrez, Jr., Esq.

Lennart E. Lindahl, P.E.  
Harkley R. Thornton  
Malcolm S. Wade, Jr.

#### EXECUTIVE OFFICE

Carol Ann Wehle, *Executive Director*

The Documents, which are available on the District's web site at <http://www.sfwmd.gov/org/erd/longtermplan/documents.shtml>, include:

- The October 27, 2003, *Everglades Protection Area Tributary Basins Long Term Plan for Achieving Water Quality Goals* (Long-Term Plan).
- The 2004 Everglades Consolidated Report (ECR) Chapter 8A: Achieving Long-Term Water Quality Goals.
- The November, 2004 revision to the *Everglades Protection Area Tributary Basins Long Term Plan for Achieving Water Quality Goals* (Long-Term Plan),
- The November 2005 revision to the *Everglades Protection Area Tributary Basins Long Term Plan for Achieving Water Quality Goals* (Long-Term Plan).
- The March 2006\_revision to the *Everglades Protection Area Tributary Basins Long Term Plan for Achieving Water Quality Goals* (Long-Term Plan) regarding Acme Basin B.
- The July 2006 revision to the *Everglades Protection Area Tributary Basins Long Term Plan for Achieving Water Quality Goals* (Long-Term Plan).
- Goforth, et. al, 2006a, Test for Determining Achievement of the STA-1E TBEL, Florida Department of Environmental Protection, Tallahassee, and South Florida Water Management District, West Palm Beach, FL, December 2006.
- Goforth, et. al, 2006b, Test for Determining Achievement of the STA-1W TBEL, Florida Department of Environmental Protection, Tallahassee, and South Florida Water Management District, West Palm Beach, FL, December 2006.
- Goforth, et. al, 2006c, Test for Determining Achievement of the STA-2 TBEL, Florida Department of Environmental Protection, Tallahassee, and South Florida Water Management District, West Palm Beach, FL, December 2006.
- Goforth, et. al, 2006d, Test for Determining Achievement of the STA-3/4 TBEL, Florida Department of Environmental Protection, Tallahassee, and South Florida Water Management District, West Palm Beach, FL, December 2006.
- Goforth, et. al, 2006e, Test for Determining Achievement of the STA-5 TBEL, Florida Department of Environmental Protection, Tallahassee, and South Florida Water Management District, West Palm Beach, FL, December 2006.
- Goforth, et. al, 2006f, Test for Determining Achievement of the STA-6 TBEL, Florida Department of Environmental Protection, Tallahassee, and South Florida Water Management District, West Palm Beach, FL, December 2006.
- Goforth, et. al, 2006g, Test for Determining Achievement of the Non-ECP Basins TBEL, Florida Department of Environmental Protection, Tallahassee, and South Florida Water Management District, West Palm Beach, FL, December 2006.

The documents demonstrating that the discharges are into impacted areas of the EPA are the Department's Technical Support Documents for establishment of the Everglades phosphorus criterion and the South Florida Environmental Reports, all of which are already in the possession of the Department. The specific list of such documents includes:

- Payne, G. and K. Weaver. 2004. Chapter 2C: Status of Phosphorus and Nitrogen in the Everglades Protection Area. G. Redfield, ed. In: *2004 Everglades Consolidated Report*, South Florida Water Management District, West Palm Beach, FL.
- Payne, G., K. Weaver and S. Xue. 2006. Chapter 2C: Status of Phosphorus and Nitrogen in the Everglades Protection Area. G. Redfield, ed. In: *2006 South Florida Environmental Report –Volume I*, South Florida Water Management District, West Palm Beach, FL.
- Payne, G., K. Weaver and S. Xue. 2007. Chapter 3C: Status of Phosphorus and Nitrogen in the Everglades Protection Area. G. Redfield, ed. In: *2007 South Florida Environmental Report –Volume I*, South Florida Water Management District, West Palm Beach, FL.
- Payne, G., K. Weaver and T. Bennett. 2003. Chapter 5: Development of a Numeric Phosphorus Criterion for the Everglades Protection Area. G. Redfield, ed. In: *2003 Everglades Consolidated Report*, South Florida Water Management District, West Palm Beach, FL.
- Payne, G., K. Weaver, G. Goforth, T. Piccone. 2005. Chapter 2C: Status of Phosphorus and Nitrogen in the Everglades Protection Area. G. Redfield, ed. In: *2005 South Florida Environmental Report*, South Florida Water Management District, West Palm Beach, FL.
- Payne, G., K. Weaver, T. Bennett and F. Nearhoof. 1999. Everglades Phosphorus Criterion Development Support Document, Part 1: Water Conservation Area 2. Everglades Technical Support Section, Division of Water Resource Management, Tallahassee, FL.
- Payne, G., T. Bennett and K. Weaver. 2001. Chapter 3: Ecological Effects of Phosphorus Enrichment. G. Redfield, ed. In: *2001 Everglades Consolidated Report*, South Florida Water Management District, West Palm Beach, FL.
- Payne, G., T. Bennett and K. Weaver. 2002. Chapter 5: Development of a Numeric Phosphorus Criterion for the Everglades Protection Area. G. Redfield, ed. In: *2002 Everglades Consolidated Report*, South Florida Water Management District, West Palm Beach, FL.
- Payne, G., T. Bennett, K. Weaver and F. Nearhoof. 2000. Everglades Phosphorus Criterion Development Support Document, Part 2: Water Conservation Area 1.

Letter to Secretary Castille

December 13, 2006

Page 4

Everglades Technical Support Section, Division of Water Resource Management,  
Tallahassee, FL.

Payne, G., T. Bennett, K. Weaver and F. Nearhoof. 2000. Everglades Phosphorus  
Criterion Development Support Document, Part 2: Water Conservation Area 1.  
Everglades Technical Support Section, Division of Water Resource Management,  
Tallahassee, FL.

Payne, G., T. Bennett, K. Weaver and F. Nearhoof. 2001. Everglades Phosphorus  
Criterion Development Support Document, Part 3: Water Conservation Area 3 and  
Everglades National Park. Everglades Technical Support Section, Division of Water  
Resource Management, Tallahassee, FL.

Please have your staff direct questions on this permit application revision to Chip  
Merriam, Deputy Executive Director at (561) 682-6597.

Sincerely,



Carol Ann Wehle  
Executive Director  
South Florida Water Management District

cc: Jerry Brooks, FDEP  
Temperince Morgan  
Frank Nearhoof, FDEP  
Richard Harvey, USEPA  
Philip Mancusi-Ungaro, USEPA

Letter to Secretary Castille

December 13, 2006

Page 5

bc: Terrie Bates  
Ron Bearzotti  
Kirk Burns  
George Horne  
Julianne LaRock  
Linda Lindstrom  
Damon Meiers  
Chip Merriam  
John Mitnik  
Jana Newman  
Tracey Piccone  
Dean Powell  
Sean Sculley  
Pam Sievers