



Florida Department of Environmental Protection

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October 02, 2012

Eric Summa
Chief, Environmental Branch
Planning Division
Jacksonville District, U.S. Army Corps of Engineers
701 San Marco Blvd.
Jacksonville, FL 32207

Project: Ninth Amended Emergency Final Order to Operate the S-332B, S-332C, and S-332D Pump Stations and Appurtenant Structures
Subject: Request to Terminate Groundwater Monitoring
Files Nos.: OGC Case Nos.00-0889 and 99-2242

Dear Mr. Summa,

This letter acknowledges receipt of the U.S. Army Corps of Engineers (Corps) September 21, 2012 request to modify the Ninth Amended Emergency Final Order to Operate the S-332B, S-332C, and S-332D Pump Stations and Appurtenant Structures (Ninth Amended Emergency Final Order) Monitoring Plan (Exhibit B), (OGC case Nos. 00-0889 and 99-2242). In accordance with the Order, the United States Army Corps of Engineers (Corps) is authorized to operate the C-111 Project; however, consistent with the January 14, 2004 Cooperative Agreement between the Corps and the South Florida Water Management District (District), the District is responsible for performing the monitoring associated with this project. The Corps request would eliminate groundwater monitoring requirements from Exhibit B, Section 2.3 and Table 2.3.1.

Background:

The Department was first contacted by District on August 6th, 2012 to request that we review their draft document, "Justification for Terminating Groundwater Monitoring Requirements for Emergency Order for the Interim Operational Plan for Protection of the Cape Sable Seaside Sparrow" (Justification Document). The Department performed its own analysis of the surface and ground water quality data provided in the Justification Document for the same period of record as the Districts analysis (January 1, 2004 - April 30, 2012). On August 21, 2012, the Department and the District held a teleconference to discuss the analysis and comments and a final draft Justification Document was provided on September 04, 2012. This final Justification Document and request for groundwater monitoring elimination is being provided by the Corps as required by the Ninth Amended Emergency Final Order, Exhibit B, Section 3.0.

After thorough review of the Corps request and associated documentation, Department staff have determined that the proposed changes are not expected to result in any adverse environmental impacts and are not contrary to public interests. Therefore, the Department hereby approves the modifications to the Order and associated Exhibit B pursuant to the Corps request.

Section 2.3. Groundwater Monitoring

Tables 2.3.1 and 2.3.2 contain the locations, parameters, and frequencies for groundwater monitoring. It should be noted that a team of groundwater experts will be convened to evaluate the existing groundwater monitoring network and available data in an effort to optimize the network, if deemed necessary. This team will focus on opportunities to coordinate IOP groundwater monitoring with the groundwater monitoring needs for the CSOP and L-31N Seepage Management projects where possible. The team will be tasked with avoiding duplication of efforts and minimizing number of wells and frequency of data collection, while ensuring that the monitoring purposes of each of these projects is met. If the team's evaluation results in recommendations to modify the existing groundwater monitoring plan, procedures for making changes to the monitoring plan can be found in Section 3.0 below.

Station ID	Well Description	General Location
S332BES	S 332B East Shallow	Shallow well immediately east of S 332B detention area
S332BED	S 332B East Deep	Deep well immediately east of S 332B detention area
S332BWS	S 332B West Shallow	Shallow well immediately west of S 332B detention area
S332BWD	S 332B West Deep	Deep well immediately west of S 332B detention area
S332CES	S 332C East Shallow	Shallow well immediately east of S 332C detention area
S332CED	S 332C East Deep	Deep well immediately east of S 332C detention area
S332CWS	S 332C West Shallow	Shallow well immediately west of S 332C detention area
S332CWD	S 332C West Deep	Deep well immediately west of S 332C detention area
S332DES	S 332D East Shallow	Shallow well immediately east of S 332D detention area
S332DED	S 332D East Deep	Deep well immediately east of S 332D detention area
S332DWS	S 332D West Shallow	Shallow well immediately west of S 332D detention area
S332DWD	S 332D West Deep	Deep well immediately west of S 332D detention area

Sample Type	Parameter	Frequency
Groundwater	Water Level	Quarterly
	Odor	Quarterly
	Color	Quarterly
	D.O.	Quarterly
	pH	Quarterly
	Temperature	Quarterly
	Sp. Conductivity	Quarterly
	Turbidity	Quarterly
	Dis-P	Quarterly
	Dis-KN	Quarterly

Permittee: U.S. Army Corps of Engineers
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	Dis-NO _x	Quarterly
	Dis-NH ₄	Quarterly
	Alkalinity	Quarterly
	Dis-Na	Quarterly
	Dis-K	Quarterly
	Dis-Ca	Quarterly
	Dis-Mg	Quarterly
	Dis-Fe	Quarterly
	Dis-SiO ₂	Quarterly
	Dis-SO ₄	Quarterly
	Dis-Cl	Quarterly
	Dis-Solids	Quarterly
	Pesticide Suite	Semi-Annual

If you have any questions regarding this approval, please contact Deinna Nicholson at (850) 245-3183 or Stacey Feken at (850) 245-3176. When referring to this approval, please use the file number indicated above.

Sincerely,



Ernie Marks, Director
 Office of Ecosystem Projects
 Florida Department of Environmental Protection

EM/swf/pj/dn

ELECTRONIC COPIES PROVIDED TO:

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