Restoration Strategies Program Update April 2020

The South Florida Water Management District's (SFWMD) \$880 million Restoration Strategies Program includes the design and construction of a suite of regional water storage, treatment and conveyance improvement projects that will enhance water quality in America's Everglades. The program also includes a robust Science Plan consisting of research activities focused on investigating the critical factors that influence phosphorus (P) reduction and better understanding the sustainability of P removal performance at low P concentrations. The strategies also feature implementation of additional sub-regional source controls – where pollution is reduced at the source – in areas where P levels in stormwater runoff have been historically higher.

Eastern Flow Path

Stormwater Treatment Area 1 East (STA-1E) Repairs and Modifications (Cells 5 and 7)

Contract for fill material for Cell 5 was approved at February Governing Board and import of fill has commenced. Contract for earthwork was approved at March Governing Board. Expected start date April 2020. Project expected to be completed by November 2022.

STA-1W Expansion #1

Test of flow-through was initiated on March 11. Initial flooding and optimization underway and expected to be completed by December 2020.

STA-1W Expansion #2

State and Federal permit applications required for construction were submitted in July 2019. Pipe Installation under STA-1W Expansion #1 Discharge Canal approved at February Governing Board. Notice to Proceed was issued in March 2020. Design is expected to be completed in July 2020.

G-341 Related Conveyance Improvements

Construction of Segment 3 in Bolles East Canal is nearing completion. Jett Farm bridge installation is complete. Construction of Segment 4 has begun. Segment 5 will proceed subsequent to Segment 4. Survey for hydraulic modeling of conveyance canals is under way.

Western Flow Path

STA-5/6 Internal Improvements

Earthwork to lower ground elevation in Cells 2A and 3A is complete. Final as-built survey drawings are being reviewed for submission to the engineer-of-record. FDEP representatives have been contacted for coordinating the as-built review and permit close-out.

C-139 Flow Equalization Basin (FEB)

Ground Water modeling work order issued. Conducted Uniform Mitigation Assessment Method (UMAM) site visits with ACOE and FDEP in January 2020; Caracara monitoring work order issued. The 60 percent design is in progress and expected to be completed by April 2020.

Additional Components

Sub-Regional Source Controls

On-going development of sub-regional source control concepts and coordination with stakeholders.

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Restoration Strategies Science Plan

Of the fourteen Science Plan studies, six have been completed and eight are in progress.

Completed in 2017
Completed in 2017
Completed in 2017
Completed in 2018
Completed in 2018
Completed in 2019
In Progress



Contractor deploying water sampler into L8 FEB.

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Consent Order¹ Milestones

Project: Activity	Deadline	Date Completed
Eastern Flow Path		
STA-1W Expansion #1: Construction Status Report	3/1/2018	2/23/2018
STA-1W Expansion #1: Complete Construction	12/31/2018	12/27/2018
STA -1W Expansion #1: Initial Flooding and Optimization	12/31/2020	
STA-1W Expansion #2: Initiate Design	10/1/2018	9/25/2018
STA-1W Expansion #2: State and Federal Permit Applications	8/1/2019	7/29/2019
STA-1W Expansion #2: Complete Design	7/31/2020	
G-341 Related Conveyance Improvements: Initiate Construction	11/30/2022	8/13/2015
G-341 Related Conveyance Improvements: Complete Construction	12/31/2024	
Central Flow Path		
A-1 FEB: Operational Monitoring and Testing Period Complete	7/29/2018	7/29/2018
Western Flow Path		
C-139 FEB: Initiate Design	10/31/2018	8/22/2018
C-139 FEB: Submit State and Federal Permit Applications	8/30/2019	8/23/2019
C-139 FEB: Complete Design	10/31/2020	
STA-5/6 Internal Improvements: Initiate Construction	1/31/2022	9/25/2018
STA-5/6 Internal Improvements: Construction Status Report	3/1/2023	9/24/2019
STA-5/6 Internal Improvements: Complete Construction	12/31/2024	

^{1:} FDEP Consent Order 12-1148 (associated with National Pollutant Discharge Elimination System Permit No. FL0778451-001-FL7A/RA) and FDEP Consent Order 12-1149 (associated with Everglades Forever Act Permit No. 0311207)