

FLORIDA GULF OF MEXICO RESTORATION PROJECT SUBMITTAL FORM

Form Purpose and Instructions:

- To assist the project proposal and review process, please complete this Submittal Form. Completion of the Form will contribute to the appropriate information being completely and accurately submitted for each project.
- Take as much space as needed for each question, but please keep responses as focused as possible. It may assist you to review all the questions before addressing any one question.
- If you have multiple projects – please submit one Form for each project.
- Submit the completed form and all back-up maps, information, etc. to Restoration.Projects@dep.state.fl.us
- Once your Form is successfully submitted and received, you will receive a confirmation email from the Florida Department of Environmental Protection.
- To submit updated information, please fill out this form and updating fields as needed.

* Required Fields for project updates

New Project X Update to Previous Submittal ____

***Project #** _____ *(Project number can be found on the project summary spreadsheet.)*

***Project Name** East Milton WWTF Phase 2

***Contact Information:** *(Include at least one name, phone number, email address, and organization name if applicable)*

Brian Watkins, (850) 983-5414, brian.watkins@ci.milton.fl.us, City of Milton, FL.

Project Location: *(Include a map, if possible, and the city, county, watershed)*

Latitude & Longitude in Decimal Degrees: City of Milton, Santa Rosa County, Blackwater River Watershed,

Latitude 30.618806, Longitude 87.044583

Parcel Number: (if applicable) N/A

Project Location Map attached.

Project Description: *(Describe all aspects of the project)*

The East Milton Wastewater Treatment Plant and Effluent Disposal (EMWWTP) is the first of 2 Phases to develop a new treatment and disposal sites, while in the process removing the current 2.5 mgd facility near downtown Milton. Phase 1 will be the construction of 2.0 mgd; Phase 2, would be constructing an additional 4.0 mgd, taking the total capacity to 6.0 mgd. Unlike the current facility which is a surface water discharge, the new facility will dispose of the treated effluent by land application. The City has located and tested a 116 ac. site north

of NAS Whiting Field. In addition, Whiting Field has requested use of the effluent reuse for irrigation of their 18 hole golf course, recreational facilities and landscape areas, an estimated 400-500,000 gallons per day.

Currently flows from Whiting Field and the East Milton area would be redirected and treated at the new EMWWTP facility. This is a combine flow of approximately 0.8 mgd.

The current City of Milton Wastewater Treatment facility is aged, located within a flood plain and subject to storm surges as recorded in 2004 with Hurricane Ivan. This storm produced a 14'-16' tidal surge along the Blackwater River where the facility is located. While Phase 1 will be redirecting existing flows in the East Milton Area. Phase 2 would look at redirecting all flows from the current downtown plant to the new EMWWTP and then removing the existing facility from service, along with the surface water discharge.

All of the following are **Required Fields** for project updates

Estimated Project Costs: *(Describe the estimated costs of the project, including any assumptions for contingency and ongoing operations/maintenance. Identify other secured funding sources such as matching funds, in-kind contributions or state/federal dollars. In addition, if possible, complete and submit the Cost Appendix Sheet associated with this Form)*

Phase 2:

1. Construction of additional 4.0 mgd -	\$ 8,000,000
2. Additional Effluent Disposal Site(s) -	\$10,000,000
3. Redirection of Flows from Downtown Plant And removal of existing effluent from Surface water discharge -	\$ 47,000,000
4. Demolition of Downtown Facility -	\$ 3,000,000
5. Contingency @ 10% -	\$ 6,800,000
TOTAL -	\$ 74,800,000

Other Funding: *(Indicate if the project is submitted for any potential funding or if it may be used to leverage additional funding, if so, please describe the funding source [e.g. State/Federal Grants])*

The project is also submitted for funding with the Restore Act, the National Fish and Wildlife Foundation, and the Natural Resource Damage Assessment.

Technical Feasibility: *(Describe the technologies involved and any relevant past experience or proven success with similar projects)*

The proposed wastewater treatment plant will utilize the most current technology available to produce an effluent that exceeds drinking water standards. The effluent will be utilized in land applications and irrigation systems, especially on NAS Whiting Field where it will benefit the mission of the base. The decommissioning of the existing plant will eliminate the surface water outfall to Blackwater River.

Environmental Benefits: *(Describe the nature, magnitude, and timing of any environmental benefits attributable to the project. If possible, describe potential environmental performance measures [e.g. pollutant reduction]. Please address any potential environmental impacts associated with implementing or maintaining the project [e.g. loss of a habitat or conversion of habitat from one type to another during implementation])*

Providing for land applications of the effluent from the plant will eliminate the surface water outfall to Blackwater River. All construction is planned so as to not interfere with existing habitats.

Economic and Social Benefits: *(Describe the economic and social benefits including those related to the project's improved ecosystem services and any estimates on jobs created or preserved)*

The new plant will allow for the continued growth of the area, including commercial and industrial growth. The project could provide enhanced recreational fishing through cleaner waters benefiting area residents and visitors regardless of age, race, gender, or economic status.

Community Resilience: *(Describe if the project assists Florida's ability to anticipate, withstand, or recover from hazards or threats [e.g. hurricane preparedness, establishing living shorelines])*

The existing wastewater treatment plant is in a flood prone area subject to interruptions during hurricanes. This proposed facility is located at a higher elevation and not subject to any flooding from hurricanes or heavy rainfall events.

Conflicts or Complements to Existing Efforts: *(Describe any ongoing activities in the project implementation area, if the project is part of another plan, and why the project does or does not interfere with that work. Please consider how the project may complement existing local, regional, and state efforts/plans/objectives)*

There are no ongoing projects in this area. The project will enhance the water quality of a Florida Outstanding Waterway.

Complies with Federal, State, Local, and Tribal Laws/Regulations: *(Describe any concerns or potential conflicts)*

This project complies with all Federal, State, Local and Tribal Laws/Regulations.

Readiness for Implementation: *(Describe if the project has had any design or permitting work started or completed [attach permits or design work]. Please address any issues that may delay start or finish of the project)*

The project has only been partially designed but had not been permitted at this time.

Public Acceptance: *(Describe any known or potential public approval or opposition to the project)*

Proposed new wastewater treatment plants usually create some opposition from nearby neighborhoods. The location of the proposed wastewater treatment plant is in an area zoned for industrial and commercial use and away from residential areas. The elimination of outfall to the Blackwater River and closure of the downtown plant will contribute to public acceptance.

Additional Information you wish to provide: *(Please include any maps, designs, drawings, photos or background resources that may assist in completely and accurately understanding the project. If these are too large to attach here, please email them to Restoration.Projects@dep.state.fl.us)*

A general map illustrating the location of the target areas is included.

Cost Appendix Sheet

Cost Item	Cost Estimate
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Planning

Contracts	
Feasibility	
Engineering, Design, Land Rights & Bid Prep	\$7,000,000.00
Restoration Plan	
Site Visits & Cost of Site Selection	
Administration, Overhead and Indirect	
Other	
Planning Subtotal:	\$7,000,000.00

Construction

Contracts	\$54,500,000.00
Administration & Mobilization/Demobilization	\$3,500,000.00
Other	
Construction Subtotal:	\$58,000,000.00

Monitoring

Contracts	
Data Collection	
Monitoring Administration	
Other	
Monitoring Subtotal:	\$0.00

Project Cost

Supervision	\$3,000,000.00
Subtotal:	\$65,000,000.00
Contingency (<i>traditionally calculated at 10% of the subtotal</i>)	\$6,800,000.00
TOTAL:	\$74,800,000.00

Estimated Costs by Year

Year 1	\$4,000,000.00
Year 2	\$3,000,000.00
Year 3	\$16,950,000.00
Year 4	\$16,950,000.00
Year 5	\$16,950,000.00
Year 6	\$16,950,000.00