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 my 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** Sewer System Inflow and Infiltration Reduction Project

***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 30.63222, Longitude 87.04138
Parcel Number: (if applicable) N/A
Project Location Map attached.

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

This project is to reduce Inflow & Infiltration (I&I) into the sanitary sewer system caused by failing sewer lines and manholes. With well over 30-40% of the City's sewer system installed below the natural ground water table, it is a huge challenge to keep the sewer main from leaking (infiltration). Combined with 50+ year old materials, poor soils and poor installation, the challenge becomes even greater. Based on dry weather vs wet weather flows alone, it is estimated that an additional 250,000 gpd are pumped and treated unnecessarily adding thousands of dollars in

operating cost and depleting treatment plant capacity. This is estimated to be approximately 20% of overall flows. Additionally, inflow occurs during rainfall events as the results of open sewers and manholes. These are more easily found using a smoke testing method. Repairs are in most cases less expensive.

I & I reduction is an ongoing function as sewer systems age. Even with new systems and modern materials, this also will age in the future. Using liners, coatings and other known methods, I&I reduction is an on-going challenge.

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)*

1. 30,000lf liners @ $50/lf - $1,500,000
2. Manhole coatings @ 100x8ftx$400/vf - $ 320,000
3. Contingency @ 10% - $ 182,000

TOTAL - $ 2,000,200

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)*

Slip lining of sanitary sewer pipelines and coating the interior of manholes is proven technology that reduces inflow and infiltration of groundwater into the sanitary system that ends up having to be treated at the WWTP, reducing the overall ability to expand the customer base to a maximum capacity.

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])*

The reduction of inflow and infiltration will reduce the amount of effluent being discharged to the Blackwater River.

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 reduction of inflow and infiltration will increase the tourism and seafood industry activities in the area and be a social benefit to the City and the County residents 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 reduction of effluent disposal to Blackwater River will contribute to the natural development of living shorelines.

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.

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)*

None of these proposed projects have been designed or permitted at this time.

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

There have been no public meetings addressing the reduction of inflow and infiltration to the sanitary sewer system. Such projects will create mixed acceptance by the immediate residents but would be looked upon favorably by the environmental groups.

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
Planning	
Contracts	
Feasibility	
Engineering, Design, Land Rights & Bid Prep	$270,000.00
Restoration Plan	
Site Visits & Cost of Site Selection	
Administration, Overhead and Indirect	
Other	
Planning Subtotal:	**$270,000.00**

Construction

Contracts	$1,993,600.00
Administration & Mobilization/Demobilization	$105,000.00
Other	
Construction Subtotal:	**$2,098,600.00**

Monitoring

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

Project Cost

Supervision	$135,000.00
Subtotal:	**$2,368,600.00**
Contingency *(traditionally calculated at 10% of the subtotal)*	$250,400.00
TOTAL:	**$2,754,000.00**

Estimated Costs by Year

Year 1	$688,500
Year 2	$688,500
Year 3	$688,500
Year 4	$688,500
Year 5	
Year 6	