



PROPOSAL DOCUMENT REV.04



Client Name:
City of Corpus Christi, TX

Project:
ONS WTP Dredging of Lagoons 5 & 6

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PROJECT OVERVIEW

OBJECTIVE

GFL has been requested to provide a proposal to dredge, dewater and provide transport runoff-solids accumulated within lagoon 5 and 6. Based on data provided, the total volume to remove from these two lagoons is estimated at 11,000 to 18,000 DT. The intention is to nearly empty both Lagoons.

The purpose of this document is to outline the equipment and process that will be used to safely and efficiently mobilize slurry from the lagoons to be serviced, chemically treat the slurry to propagate solid-water separation, and mechanically separate the solids from the liquid phase using multiple decanter centrifuges. Mobilization of the slurry from the lagoons to be serviced will be executed using the current manned dredge which will be placed into the appropriate lagoon by a crane.



ESTIMATED TIMELINE

For lagoon 5 & 6, a timeline estimate has been provided in the table below based 24-hour operational days. GFL will mobilize to the chosen lagoon right after finishing up the Pre-Sedimentation Lagoon. The timelines are based on the sludge analysis from samples taken by GFL in August 2024.

OPERATION DAY: 24Hrs	
LAGOON TRANSFER	PROCESS (Day)
2	130

SCOPE

1. GFL will demobilize the current piping to re-mobilize to the chosen dredging Lagoon. The discharge piping will remain the same. The water line for polymer makeup will remain the same.
2. All existing equipment (dredge, centrifuges, etc.) will be utilized to dredge Lagoons 5 & 6.
3. The same process will be used (Please refer to the scope of work for the Pre-Sedimentation dredging project).
 - a. Same Landfill
 - b. Same hauling company
 - c. Same laboratory
 - d. Same process to establish the volume extracted

EQUIPMENT LIST

Quantity	Description
1	Excavator
1	Set Flex Hose
1	Set Pipeline Floats
1	Rescue Boat with Life Jackets
ALL	Hose/HDPE Piping (8"/12")
1	Telescopic Forklift
3	Decanter Centrifuges
2	Polymer Trailers
1	Mix tank w/Screen
1	Office Trailer
3	Conveyors
1	Fuel tank
1	Set Berms & Liners
1	Set Concrete Blocks
1	Turbidity Curtain (One per lagoon)
1	Set Pumps
1	SP 2010 Mud Cat Dredge (Diesel), 30,000lb



PRICING SCHEDULE

Quantity	Unit of Measure	Description	Unit Price	Total Price
1	Lump Sum	Bonds and Insurance to cover this extension	\$25,300	\$25,300
2	Lump Sum (Per Lagoon)	Lagoon Transfer & providing/installing Turbidity Curtain **	\$59,500	\$119,000
11,000	DT	Dredging, Dewatering and Transportation of the sediments from Lagoons 5 & 6	\$211	\$2,321,000
*** 7,000	DT	Additional Dredging, Dewatering and Transportation of the sediments from Lagoons 5 & 6 for quantities over 11,000 DT	\$211	\$1,477,000
2	Lump Sum (Per Lagoon)	Removal of Cattails	\$43,800	\$87,600
1	Lump Sum	Full demobilization	See note below	
			TOTAL	\$4,029,900

Full demobilization Costs: Part of the existing contract - Item A1

** This item includes all costs for rerouting temporary piping and other appurtenances

*** This item may or not be utilized and may be authorized by the City after 11,000 DT are reached

RESPONSIBILITIES

ITEM	GFL	O.N. Stevens
Operation and maintenance of the system with the highest safety measures.	X	
Supply the required energy (Electric)		X
Disposal (Tipping Fees) to Cefe Valenzuela Landfill		X



Spill Mitigation & Turbidity Management	X	
Manage/supply/maintain fittings/disconnects/piping	X	
Loading Pad (Anchor blocks for solids)	X	
Slurry transfer and management of feed stock	X	
Access to landline phone	X	
Access to WiFi	X	
Supply equipment to unload and install equipment (crane, loader, zoom-boom)	X	
Water for polymer (Surface Water Lagoon 7)		X
Stage area and unrestricted access to site		X
Fuel for onsite equipment delivered daily	X	
Auxiliary supplies (lighting, bathrooms, lunchroom, lodging, lunch meals etc)	X	
Essential Process Equipment Spare parts	X	
Analysis and reporting	X	

ADDITIONAL INFORMATION

1. In the event O.N. Stevens Water Treatment Plant requests **GFL** to cease operations or the process is stopped for a scope change, standby rates will apply.
2. All other contractual conditions (other than tipping fees) and requirements from the original contract package (18130A – ONSWTP Pre-sedimentation Basin Dredging) will remain unchanged unless otherwise stated.
3. The unit pricing for the dredging, dewatering and transportation of the sediments is different than the unit pricing for the dredging, dewatering and transportation of the sediments of the existing contract due to the nature of the two sludges. After performing our lab testing of the solids from lagoon 5 & 6, we have come to the conclusion that we cannot achieve as high dewatered solids in Lagoon 5 & 6 as we did in the pre-sedimentation basin. This lower final solid dryness will impact our capacity to achieve high DT daily production as we are seeing in the pre-sedimentation basin.
4. **GFL** will maintain all necessary spare parts on site to ensure minimum down time.
5. O.N. Stevens Water Treatment Plant is not responsible for any delays caused by **GFL**, should they occur.



6. Any change to the scope or additional requirements that are not specifically mentioned in this proposal may result in additional charges and must be discussed and agreed upon in advance by both parties designated site representatives.
7. This quote expires 90 days from the date of issue.

O.N. Stevens Water Treatment Plant Approval:

Name: _____

Signature: _____

Date: _____

IPO #: _____

Reference Environmental Solutions (US) Ltd.: TP-TX-2019-08-77.2