

19 April 2023

Mr. Himanshu Mehta, P.E.  
Managing Director  
Indian River County Solid Waste Disposal District  
1325 74<sup>th</sup> Avenue Southwest  
Vero Beach, Florida 32968

Subject: Project Completion Report  
One Year of Groundwater Monitoring/Reporting and Related Consulting Services  
IRC Work Order No. 16  
South Gifford Road Landfill

Dear Mr. Mehta:

Geosyntec Consultants (Geosyntec) is pleased to present to you this project completion report for Geosyntec Project No. FR0766T – One Year of Groundwater Monitoring/Reporting and Related Consulting Services for the South Gifford Road Landfill site. This project was completed under Work Order No. 16, authorized on 5 July 2022, pursuant to the Renewal and Amendment No. 1 for Continuing Consulting Engineering Services Agreement between IRC and Geosyntec, authorized on 18 May 2021. This report has been prepared as a supplement to our final Invoice No. 509402 dated 18 April 2023, which is attached.

## **SCOPE OF WORK**

The scope of work authorized under Work Order No. 16 addressed the FDEP-required semi-annual groundwater monitoring and reporting for one year (two sampling and reporting events) and related consulting services. The project was executed under the following phases (tasks): (i) Project Management; (ii) Meetings/Regulatory Interaction; (iii) Annual Pollution Remediation Liabilities Evaluation; (iv) Semi-Annual Sampling Activities; and (v) Data Evaluation and Semi-Annual Reporting. Below is a summary of the work by phase that Geosyntec performed under this work authorization.

### **Phase 1 – Project Management**

Under this phase, Geosyntec performed project planning and management responsibilities, such as correspondence with IRC SWDD and FDEP, invoice review and completion, project coordination, and project administration.

### **Phase 2 – Meetings/Regulatory Interaction**

Under this phase, Geosyntec provided ongoing support to IRC SWDD related to interaction and negotiation with FDEP.

### **Phase 3 – Annual Pollution Remediation Liabilities Evaluation**

Under this phase, Geosyntec prepared the annual environmental liability evaluation in response to Governmental Accounting Standards Board Statement No. 49 (GASB No. 49), *Accounting and Financial Reporting for Pollution Remediation Obligations*, which requires the inclusion and calculation of pollution remediation obligations. The report included the evaluation of two sites, South Gifford Road Closed Landfill (4701 41<sup>st</sup> Street) and Former Premier Citrus – Commander Groves Property (375 82<sup>nd</sup> Avenue) and was submitted to IRC on 31 October 2022.

### **Phase 4 – Semi-Annual Sampling Activities**

Under this phase, Geosyntec conducted field preparation and groundwater sampling activities for two semi-annual groundwater monitoring events in June and December 2022. Throughout these sampling events, a total of 53 groundwater samples were collected under this work authorization. Geosyntec also provided oversight for a contractor to clear brush around select well clusters to improve accessibility for groundwater sample collection.

### **Phase 5 – Data Evaluation and Semi-Annual Reporting**

Under this phase, Geosyntec prepared the semi-annual reports for the June and December 2022 groundwater sampling events. As part of the report preparation, Geosyntec completed database management, data evaluation, trend evaluation, table preparation, and GIS figure preparation. Each report was submitted to IRC SWDD for review and comment prior to submittal to FDEP. The 2022 Annual Groundwater Monitoring Report (GMR) was submitted to FDEP on 28 February 2023. Following submittal of the 2022 Annual GMR, further data analysis was performed to evaluate concentration trends and changes as related to potential future bioremediation needs.

## **BUDGET**

The approved budget for Work Order No. 16 was \$80,360.14. The total invoiced amount, including the final invoice, is \$80,353.88. Therefore, Geosyntec completed this project below the approved budget.

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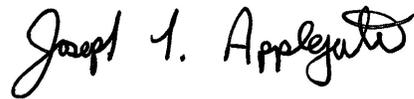
**CLOSURE**

Geosyntec appreciates the opportunity to provide services to Indian River County. If you have any question regarding this correspondence, please feel free to contact the undersigned at 850 483-5102.

Sincerely,



Crystal Wilson, P.G. (FL, AL)  
Project Geologist



Joseph Applegate, P.G. (FL)  
Senior Principal Geologist

**Table 1**  
**Summary of Invoices Submitted for Geosyntec’s Project Number FR0766T**  
**South Gifford Road Landfill**

Geosyntec Project Number/IRC Work Authorization Number	Invoice No.	Invoice Date	Amount
FR0766T (IRC Work Order No. 16)	478522	07/15/2022	\$4,883.60
	481336	08/12/2022	\$16,259.63
	487122	10/07/2022	\$3,304.50
	491504	11/15/2022	\$4,530.89
	494747	12/19/2022	\$6,551.23
	499436	01/20/2023	\$16,650.46
	502039	02/16/2023	\$14,737.99
	505020	03/14/2023	\$9,205.37
	509402	04/18/2023	\$4,230.21
	<b>TOTAL</b>		

19 April 2023

Mr. Himanshu Mehta, P.E.  
Managing Director  
Indian River County Solid Waste Disposal District  
1325 74<sup>th</sup> Avenue Southwest  
Vero Beach, Florida 32968

Subject: Project Management Report and Transmittal of Invoice  
South Gifford Road Landfill – Plume Groundwater Monitoring

Dear Mr. Mehta:

Geosyntec Consultants (Geosyntec) prepared this project management report to address the Plume Groundwater Monitoring project being conducted by Geosyntec on behalf of Indian River County (IRC) Solid Waste Disposal District (SWDD) at the South Gifford Road Landfill site. This report presents: (i) a budget overview for this project; (ii) a summary of activities completed to date; (iii) a discussion of the work reflected on the enclosed invoice; and (iv) recommended actions for the site. The enclosed invoice reflects labor and expenses through 9 April 2023 for work being performed at the South Gifford Road Landfill. Table 1 provides invoicing details for the project.

Work Order No. 16 was approved by IRC on 5 July 2022 and the budget for the project was developed using labor rates that were approved by IRC for use in 2021 (Renewal and Amendment No. 1 for Continuing Engineering Services dated 17 April 2018).

## **PROJECT MANAGEMENT SUMMARY**

### **Geosyntec's Project No. FR0766T: One Year of Groundwater Monitoring/Reporting and Related Consulting Services (IRC Work Order No. 16)**

#### ***Budget Overview***

Invoice No. 509402 dated 18 April 2023 for \$4,230.21, Project No. FR0766T is enclosed. Listed below is a summary of the budget, including invoiced amount, and remaining budget. Geosyntec is within the budget appropriated for this project.

Approved Budget:	\$ 80,360.14
Invoiced Amount to-date:	\$ <u>80,353.88</u>
Remaining Budget:	\$ 6.26

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### ***Work Completed to Date***

The summer 2022 semi-annual groundwater monitoring event was completed the week of 27 June 2022. The semi-annual Groundwater Monitoring Report (GMR) was submitted to FDEP on 29 July 2022. The submittal was approved by FDEP on 12 August 2022. Brush was cleared around 12 well clusters on 25 October 2022 to improve accessibility to monitoring wells for field personnel during the upcoming sampling event. The Annual Pollution Remediation Liabilities Evaluation was submitted to IRC on 31 October 2022. The winter 2022 semi-annual groundwater monitoring event was completed the week of 12 December 2022. The 2022 Annual GMR summarized all 2022 monitoring results and was submitted to FDEP on 28 February 2023. Following submittal of the 2022 Annual GMR, further data analysis was performed to evaluate concentration trends and concentration change based on molar mass, which will be used in development of an electron donor injection plan.

### ***Work Reflected on Enclosed Invoice***

Labor indicated as professional services (\$4,107.00) is attributed to project management and administration, submittal of the 2022 Annual GMR and subsequent correspondence with FDEP, and evaluation of concentration trends and changes as related to potential future bioremediation needs. The remainder of the invoice is associated with a communications fee per the contract.

### ***Recommended Actions***

None.

### **CLOSURE**

Geosyntec appreciates the opportunity to provide services to Indian River County. If you have any questions regarding this correspondence, please feel free to contact me at (850) 483-5102.

Sincerely,



Crystal Wilson, P.G. (FL, AL)  
Project Geologist

Enclosure

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		<b>TOTAL</b>	



Geosyntec Consultants, Inc.  
900 Broken Sound Parkway NW, Suite 200  
Boca Raton, Florida 33487-3575 USA  
Tel (561) 995-0900 Fax (561) 995-0925

INDIAN RIVER COUNTY SWDD  
1325 74TH AVENUE SW  
  
VERO BEACH, FL 32968  
Attention: HIMANSHU MEHTA, P.E.

Invoice #: 509402  
Invoice Date: 4/18/2023  
Project: FR0766T  
Project Name: 2022 GIFFORD GWM

For Professional Services Rendered through transaction date: 4/9/2023

IF YOU HAVE QUESTIONS ABOUT THIS INVOICE, PLEASE CONTACT CRYSTAL WILSON.

WORK ORDER #16 DATED 14 JUNE 2022

Professional Services	\$4,107.00
3.0% Communication Fee	\$123.21
Current Invoice	----- \$4,230.21

**\*\*Amount Due This Invoice \*\*** **\$4,230.21**

**Statement**

Prior Billings	\$76,123.67	Project Budget	\$80,360.14
Current Invoice	\$4,230.21	Expended to Date	\$80,353.88
Billed To Date	\$80,353.88	Contract Balance	\$6.26
Paid To Date	\$76,123.67	<b>**Amount Due This Invoice **</b>	<b>\$4,230.21</b>

When making payment via bank, please include our invoice number in ACH information; Please email invoice payment remittance/details to [CorporateAR@Geosyntec.com](mailto:CorporateAR@Geosyntec.com).

Bank Details: Citibank N.A.  
Coconut Creek Branch 0529  
4807 Coconut Creek Pkwy  
Coconut Creek, FL 33063

Account #: 2195223812  
ABA/Routing: 067004764 (ACH)  
Swift: CITI US 33

When making payment via check, please remit payment to: Mail Code 11160  
P.O. Box 70280  
Philadelphia, PA 19176-0280

## Phase : 01) PROJECT MANAGEMENT

<u>Class / Employee Name</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
<b>PROJECT ADMINISTRATOR</b>			
PHILLIPS, NICOLE	1.00	71.00	71.00
<b>STAFF PROFESSIONAL</b>			
ANDERSON, BETHANY	3.75	132.00	495.00
WALLACE, RENEE	3.25	132.00	429.00
<b>PROJECT PROFESSIONAL</b>			
WILSON, CRYSTAL	11.00	203.00	2,233.00
<b>Total Phase : 01) PROJECT MANAGEMENT</b>		<b>Phase Labor</b>	<b>3,228.00</b>
		<b>3.0% Communication Fee</b>	<b>96.84</b>

## Phase : 02) MEETINGSREGULATORY INTERACTION

<u>Class / Employee Name</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
<b>PROJECT PROFESSIONAL</b>			
WILSON, CRYSTAL	3.50	203.00	710.50
<b>Total Phase : 02) MEETINGSREGULATORY INTERACTION</b>		<b>Phase Labor</b>	<b>710.50</b>
		<b>3.0% Communication Fee</b>	<b>21.31</b>

## Phase : 05) REPORTING

<u>Class / Employee Name</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
<b>SENIOR STAFF PROFESSIONAL</b>			
JOSLYN, RYAN	0.25	154.00	38.50
<b>SENIOR PRINCIPAL</b>			
APPLEGATE, JOE	0.50	260.00	130.00
<b>Total Phase : 05) REPORTING</b>		<b>Phase Labor</b>	<b>168.50</b>
		<b>3.0% Communication Fee</b>	<b>5.06</b>

<b>Total Project Labor</b>	<b>4,107.00</b>
<b>3.0% Communication Fee</b>	<b>123.21</b>

Total Project: FR0766T -- 2022 GIFFORD GWM

4,230.21