

19 May 2022

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. 12  
Former South Gifford Road Landfill

Dear Mr. Mehta:

Geosyntec Consultants (Geosyntec) is pleased to present to you this project completion report for Geosyntec Project No. FR0766S – One Year of Groundwater Monitoring/Reporting and Related Consulting Services for the former South Gifford Road Landfill site. This project was completed under Work Order No. 12, authorized on 18 May 2021, 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. 472474 dated 18 May 2022, which is attached.

## **SCOPE OF WORK**

The scope of work authorized under Work Order No. 12 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, Former South Gifford Road Closed Landfill (4701 41<sup>st</sup> Street) and Former Premier Citrus Property (375 82<sup>nd</sup> Avenue) and was submitted to IRC on 5 November 2021.

### **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 2021. Throughout these three sampling events, a total of 50 groundwater samples were collected under this work authorization. Geosyntec provided oversight for a drilling contractor to repair the aboveground portion of the polyvinyl chloride (PVC) well casing at one monitoring well, and also for a Florida-licensed surveyor to survey the repaired monitoring well.

### **Phase 5 – Data Evaluation/Reporting**

Under this phase, Geosyntec prepared the semi-annual reports for the June and December 2021 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 2021 Annual Groundwater Monitoring Report was approved by FDEP on 4 March 2022. Following submittal of the 2021 Annual GMR, further data analysis was performed to evaluate concentration trends and the potential need for further bioremediation because the previous remedial injection was performed five years ago (April 2017).

## **BUDGET**

The approved budget for Work Order No. 12 was \$84,339. The total invoiced amount, including the final invoice, is \$80,707.93. Therefore, Geosyntec completed this project below the approved budget, resulting in a cost savings to IRC of \$3,631.07.

Mr. Himanshu Mehta  
19 May 2022  
Page 3

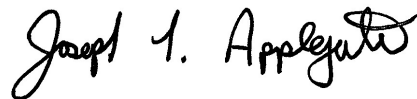
**CLOSURE**

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 FR0766S**  
**South Gifford Road Landfill**

<b>Geosyntec Project Number/IRC Work Authorization Number</b>	<b>Invoice No.</b>	<b>Invoice Date</b>	<b>Amount</b>
FR0766S (IRC Work Order No. 12)	438439	06/17/2021	\$4,105.80
	441316	07/16/2021	\$17,698.79
	443610	08/12/2021	\$6,428.86
	449315	10/11/2021	\$774.64
	453571	11/18/2021	\$2,050.73
	455588	12/10/2021	\$4,814.99
	460035	01/20/2022	\$13,551.81
	461965	02/14/2022	\$17,646.65
	464889	03/11/2022	\$8,190.56
	472474	05/18/2022	\$5,445.10
	<b>TOTAL</b>		<b>\$80,707.93</b>

19 May 2022

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 15 May 2022 for work being performed at the South Gifford Road Landfill. Table 1 provides invoicing details for the project.

Work Order No. 12 was approved by IRC on 18 May 2021 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. FR0766S: One Year of Groundwater Monitoring/Reporting and Related Consulting Services (IRC Work Order No. 12)**

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

Invoice No. 472474 dated 18 May 2022 for \$5,445.10, Project No. FR0766S 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:	\$ 84,339.00
Invoiced Amount to-date:	\$ <u>80,707.93</u>
Remaining Budget:	\$ 3,631.07

Mr. Himanshu Mehta  
19 May 2022  
Page 2

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

The summer 2021 semi-annual groundwater monitoring event was completed on 7, 8, and 14 June 2021. During this mobilization, Geosyntec provided oversight for a driller subcontractor to make maintenance repairs to monitoring well GR-MW06C. The summer 2021 Groundwater Monitoring Report (GMR) was submitted to the Florida Department of Environmental Protection (FDEP) on 29 July 2021 and was approved by FDEP on 4 August 2021. The Annual Pollution Remediation Liabilities Evaluation was submitted to IRC on 5 November 2021. The winter 2021 semi-annual groundwater monitoring event was completed the week of 13 December 2021. A Florida-licensed surveyor surveyed repaired monitoring wells GR-MW06C and GR-MW37B for horizontal coordinates and vertical top of casing elevations in January 2022. The 2021 Annual GMR summarized all 2021 monitoring results and was submitted to FDEP on 25 February 2022 and approved by FDEP on 4 March 2022. Following submittal of the 2021 Annual GMR, further data analysis was performed to evaluate concentration trends and the potential need for further bioremediation because the previous remedial injection was performed five years ago (April 2017).

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

Labor indicated as professional services (\$5,445.10) is attributed to project management and administration, submittal of the 2021 Annual GMR and subsequent correspondence with FDEP, and evaluation of concentration trends 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

**Table 1**  
**Summary of Invoices Submitted for Geosyntec’s Project Number FR0766S**  
**South Gifford Road Landfill**

Geosyntec Project Number/IRC Work Authorization Number	Invoice No.	Invoice Date	Amount
FR0766S (IRC Work Order No. 12)	438439	06/17/2021	\$4,105.80
	441316	07/16/2021	\$17,698.79
	443610	08/12/2021	\$6,428.86
	449315	10/11/2021	\$774.64
	453571	11/18/2021	\$2,050.73
	455588	12/10/2021	\$4,814.99
	460035	01/20/2022	\$13,551.81
	461965	02/14/2022	\$17,646.65
	464889	03/11/2022	\$8,190.56
	472474	05/18/2022	\$5,445.10
	<b>TOTAL</b>		<b>\$80,707.93</b>



PLEASE REMIT PAYMENT TO:  
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 #: 472474  
Invoice Date: 5/18/2022  
Project: FR0766S  
Project Name: 2021 GIFFORD GWM

For Professional Services Rendered through transaction date: 5/15/2022

If you have questions about this invoice, please contact Crystal Wilson at 850.483.5102

WORK ORDER 12 DATED 18 MAY 2021

Professional Services	\$5,286.50
3.0% Communication Fee	\$158.60
Current Invoice	----- \$5,445.10

**\*\*Amount Due This Invoice \*\*** **\$5,445.10**

**Statement**

Prior Billings	\$75,262.83	Project Budget	\$84,339.00
Current Invoice	\$5,445.10	Expended to Date	\$80,707.93
Billed To Date	\$80,707.93	Contract Balance	\$3,631.07
Paid To Date	\$75,262.83	<b>**Amount Due This Invoice **</b>	<b>\$5,445.10</b>



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>PROJECT PROFESSIONAL</b>			
WILSON, CRYSTAL	1.25	203.00	253.75
<b>Total Phase : 01) PROJECT MANAGEMENT</b>		<b>Phase Labor</b>	<b>324.75</b>
		<b>3.0% Communication Fee</b>	<b>9.74</b>

Phase : 02) MTGS/REGULATORY

<u>Class / Employee Name</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
<b>PROJECT PROFESSIONAL</b>			
WILSON, CRYSTAL	4.00	203.00	812.00
<b>Total Phase : 02) MTGS/REGULATORY</b>		<b>Phase Labor</b>	<b>812.00</b>
		<b>3.0% Communication Fee</b>	<b>24.36</b>

Phase : 05) DATA EVAL / REPORTING

<u>Class / Employee Name</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
<b>PROJECT PROFESSIONAL</b>			
WILSON, CRYSTAL	8.25	203.00	1,674.75
<b>SENIOR PROFESSIONAL</b>			
JOHNSON, JILL	11.00	225.00	2,475.00
<b>Total Phase : 05) DATA EVAL / REPORTING</b>		<b>Phase Labor</b>	<b>4,149.75</b>
		<b>3.0% Communication Fee</b>	<b>124.49</b>

<b>Total Project Labor</b>	<b>5,286.50</b>
<b>3.0% Communication Fee</b>	<b>158.60</b>

<b>Total Project: FR0766S -- 2021 GIFFORD GWM</b>	<b>5,445.10</b>
---	-----------------