

26 March 2019

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

Subject: Project Completion Report
One Year of Groundwater Monitoring/Reporting and Related Consulting Services
IRC CCNA-2018-Work Order No. 1
Former South Gifford Road Landfill, Vero Beach, Florida

Dear Mr. Mehta:

Geosyntec Consultants (Geosyntec) is pleased to present to you this project completion report for Geosyntec Project No. FR0766O – One Year of Groundwater Monitoring/Reporting and Related Consulting Services for the Former South Gifford Road Landfill site. This project was completed under CCNA-2018-Work Order No. 1, authorized on 8 May 2018, pursuant to the Continuing Contract Agreement for Continuing Engineering Services between Indian River County (IRC), Solid Waste Disposal District (SWDD) and Geosyntec, dated 17 April 2018. This report has been prepared as a supplement to our final Invoice No. 273367499 dated 22 March 2019, which is attached herein.

SCOPE OF WORK

The scope of work authorized under Work Order No. 1 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: (i) Project Management; (ii) Meetings/Regulatory Interaction; (iii) Annual Pollution Remediation Liabilities Evaluation; (iv) Semi-Annual Sampling Activities; (v) Monitoring Well Maintenance; (vi) Brush Clearing Activities; and (vii) 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 correspondences 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 41st Street) and Old Administration Building (1840 25th Street) and was submitted to IRC on 25 October 2018.

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 2018. Throughout the two sampling events, a total of 56 groundwater samples were collected under this work authorization. Underground injection control (UIC) monitoring was approved by FDEP in May 2018 to be discontinued during the 2018 sampling events. To create consistency and future efficiencies in identifying monitoring well locations during sampling efforts, strategically assigned field staff were trained as field leads at the Site during the 2018 events.

Phase 5 – Monitoring Well Maintenance

Under this phase, Geosyntec provided oversight for a subcontractor to repair tops of casings and replace well pads at three monitoring well cluster locations. These repairs will result in collection of more accurate groundwater elevations and improve the accuracy of groundwater flow interpretation.

Phase 6 – Brush Clearing Activities

Under this phase, Geosyntec provided oversight for a subcontractor to clear brush and mow undergrowth around well clusters that were noted to be overgrown by brush or tall grass impeding access for sample collection. These clearing efforts will enhance efficiency and safety for field staff in future sampling events.

Phase 7 – Reporting

Under this phase, Geosyntec prepared the semi-annual reports for the June and December 2018 events. As part of the report preparation, Geosyntec completed database management, data

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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. During preparation of the 2018 Annual Groundwater Monitoring Report, an in-depth review of the data and statistical trends was performed to identify possible recommendations for decreased monitoring requirements.

BUDGET

The approved budget for Work Order No. 1 was \$92,798. The total invoiced amount, including the final invoice, is \$92,759.43. Therefore, Geosyntec completed this project within the approved budget.

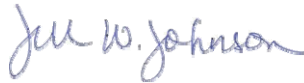
CLOSURE

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 or 850.483.5100.

Sincerely,



Crystal Towns, P.G.
Geologist



Jill W. Johnson, P.G.
Principal Geologist

25 March 2019

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

Subject: Project Management Report and Transmittal of Invoice
South Gifford Road Landfill

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 in February 2019 for work being performed at the South Gifford Road Landfill. Table 1 provides invoicing details for the project.

Work Order No. 1 was approved by IRC on 8 May 2018 and the budget for the project was developed using labor rates that were approved by IRC for use in 2018.

PROJECT MANAGEMENT SUMMARY

Geosyntec's Project No. FR0766O: One Year of Groundwater Monitoring/Reporting and Related Consulting Services (IRC Work Order No. 1)

Budget Overview

Invoice No. 273367499 dated 22 March 2019 for \$6,409.00 Project No. FR0766O 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:	\$ 92,798.00
Invoiced Amount to-date:	\$ <u>92,759.43</u>
Remaining Budget:	\$ 38.57

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Work Completed to Date

Monitoring well maintenance, brush clearing activities, and the summer 2018 semi-annual groundwater monitoring event were completed in June 2018. The semi-annual groundwater monitoring report was submitted to FDEP on 27 July 2018. Investigation-derived waste (IDW) generated during the June 2018 monitoring event was containerized for manifested off-site disposal on 28 September 2018. The annual IRC Pollution Remediation Liabilities Evaluation was submitted to IRC on 25 October 2018. The winter 2018 semi-annual groundwater monitoring event took place the week of 3 December 2018. An additional site visit was conducted in January 2019 for IDW management. The 2018 Annual Groundwater Monitoring Report was submitted to FDEP on 27 February 2019.

Work Reflected on Enclosed Invoice

Labor and expenses reflected on the enclosed invoice are attributed to:

- Labor indicated as professional services (\$6,150.00) is attributed to project management and administration, data management, and preparation and submittal of the semi-annual report.
- Reimbursable expenses (\$74.50) are associated with specialized computer applications and courier service for submittal of the semi-annual report.

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 Towns, P.G.
Geologist

Enclosure

Table 1
Summary of Invoices Submitted for Geosyntec's Project Number FR07660
South Gifford Road Landfill

Geosyntec Project Number/IRC Work Authorization Number	Invoice No.	Invoice Date	Amount
FR07660 (IRC Work Order No. 1)	273346662	05/18/2018	\$5,283.64
	273348814	06/21/2018	\$4,693.55
	273350282	07/17/2018	\$24,835.92
	273352034	08/14/2018	\$9,471.50
	273355703	10/05/2018	\$1,300.20
	273359091	11/21/2018	\$4,360.26
	273361502	12/21/2018	\$4,082.66
	273362976	01/22/2019	\$23,981.66
	122365435	02/28/2019	\$8,341.04
	273367499	03/22/2019	\$6,409.00
	TOTAL		\$92,759.43



PLEASE REMIT PAYMENT TO:

Geosyntec Consultants, Inc.
900 Broken Sound Parkway NW, Suite 200
Boca Raton, Florida 33487-2775 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 #: 273367499
Invoice Date: 3/22/2019
Project: FR0766O
Project Name: GIFFORD 2018

For Professional Services Rendered through transaction date: 2/28/2019

If you have questions about this invoice, please contact Crystal Towns at 850-483-5102.

WORK ORDER NUMBER 1 DATED MAY 8, 2018.

Professional Services	\$6,150.00
3.0% Communication Fee	\$184.50
Reimbursable Expenses	\$74.50
Current Invoice	----- \$6,409.00
**Amount Due This Invoice **	\$6,409.00

Statement

Prior Billings	\$86,350.43	Project Budget	\$92,798.00
Current Invoice	\$6,409.00	Expended to Date	\$92,759.43
Billed To Date	\$92,759.43	Contract Balance	\$38.57
Paid To Date	\$78,009.39	**Amount Due This Invoice **	\$6,409.00

Please include our invoice number on wire payment and make payment to the following:

Bank Details: Citibank
3660 West Hillsboro Blvd
Deerfield Beach, FL 33441
ABA/Routing: 067004764 (ACH) 266086554 (Wire)
Swift: CITI US 33