

**WORK ORDER 8**

This Work Order Number 8 is entered into as of this \_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, pursuant to that certain Continuing Contract Agreement, dated May 2, 2023 (referred to as the "Agreement"), by and between INDIAN RIVER COUNTY, a political subdivision of the State of Florida ("COUNTY") and Geosyntec Consultants, Inc. ("Consultant").

The COUNTY has selected the Consultant to perform the professional services set forth on Exhibit A (Scope of Work), attached to this Work Order and made part hereof by this reference. The professional services will be performed by the Consultant for the mutually agreed upon lump sum or maximum amount not-to-exceed professional fee. Any additional costs must be approved in writing, and at a rate not to exceed the prices set forth in Exhibit B (Rate Schedule) of the Agreement, made a part hereof by this reference. The Consultant will perform the professional services within the timeframe more particularly set forth in Exhibit A (Time Schedule), attached to this Work Order and made a part hereof by this reference all in accordance with the terms and provisions set forth in the Agreement. Pursuant to paragraph 1.4 of the Agreement, nothing contained in any Work Order shall conflict with the terms of the Agreement and the terms of the Agreement shall be deemed to be incorporated in each individual Work Order as if fully set forth herein.

IN WITNESS WHEREOF, the parties hereto have executed this Work Order as of the date first written above.

**CONSULTANT:**

By: \_\_\_\_\_

Print Name: Todd Kafaka

Title: Vice President

**BOARD OF COUNTY COMMISSIONERS  
OF INDIAN RIVER COUNTY**

By: \_\_\_\_\_

Joseph E. Flescher, Chairman

BCC Approval Date: \_\_\_\_\_

Attest: Ryan L. Butler, Clerk of Court and Comptroller

By: \_\_\_\_\_

Deputy Clerk

By: \_\_\_\_\_

John A. Titkanich, Jr., County Administrator

Approved as to form and legal sufficiency:

\_\_\_\_\_  
Jennifer W. Shuler , County Attorney

# **EXHIBIT A**

## PROFESSIONAL SERVICES

8 May 2025

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

**Subject: Proposal for Engineering Services  
Preparation of the Title V Air Operation Permit Including Visible Emission  
Testing  
Indian River County Landfill Facility  
Vero Beach, Indian River County, Florida**

Dear Mr. Mehta:

Per your request, Geosyntec Consultants, Inc. (Geosyntec) is pleased to submit this proposal to Indian River County (IRC), Solid Waste Disposal District (SWDD) to provide engineering services related to revision to the Title V Air Operation Permit for the IRC Landfill (IRCL) facility. Air Construction Permit No. 0610015-011-AC was issued on 31 October 2024 for the construction of a 3,000 SCFM Landfill Gas Utility Flare (EU 009). Per Section 2, Condition #9 of the permit, IRCL must apply for a Title V Air Operation Permit no later than 180 days of the initial operation of the Landfill Gas Utility Flare; therefore, pursuant to the requirements of Chapter 403 of the Florida Statue (F.S.), Chapters 62-4, 62-210 and 62-213 of the Florida Administrative Code (F.A.C.), the operation of the Landfill Gas Utility Flare has to be added to the Title V Air Operation Permit for the Class I Landfill. The permit also requires that SWDD conduct an initial visible emissions compliance test within 60 days after achieving the permitted capacity, but not later than 180 days after initial operation of the unit.

The current 5-year permit (Permit No. 0610015-008-AV) was issued on 24 January 2023 with an expiration date of 24 January 2028 by the Florida Department of Environmental Protection (FDEP), Division of Air Resource Management (DARM). This proposal presents the scope of work, schedule, and budget estimate for the preparation and submittal to the FDEP an application for the permit revision to include the Landfill Gas Utility Flare to the Title V Air Operation Permit and coordination of the initial visible emission test.

Geosyntec has prepared this proposal (professional services as Exhibit A of Work Order Number 8, pursuant to that certain Continuing Contract Agreement, dated May 2, 2023 (“Agreement”), by and between INDIAN RIVER COUNTY, a political subdivision of the State of Florida (“COUNTY”) and Geosyntec (“Consultant”).

The remainder of this proposal presents: (i) project background; (ii) proposed scope of work; (iii) schedule; and (iv) budget estimate.

## **PROJECT BACKGROUND**

The IRCL facility is located in southern Indian River County, east of Interstate 95, south of Oslo Road, and west of Rangeline Road in Vero Beach, Florida. The landfill serves the unincorporated Indian River County and municipalities of Vero Beach, Orchid, Fellsmere, Sebastian, and Indian River Shores. The SWDD administers the management and operation of the Class I Landfill at the IRCL facility, and as such, it is the permit holder of the IRCL facility. This landfill facility is currently operating under Title V Air Operation Permit No. 0610015-008-AV, effective 24 January 2023. The permit covers the following EUs: (i) EU 003 – Municipal Solid Waste (MSW) Landfill; (ii) EU 004 – Emergency Standby Generator (805 HP) for the on-site bio-solids dewatering facility; (iii) EU 005 – Landfill Gas Utility Flare; (iv) EU 006 – Emergency Standby Generator (268 HP) at administrative building; (v) EU 007 – Emergency Standby Generator (26.8 HP) for new leachate lift station at the landfill; and EU 008 – 30,000 GPD Leachate Evaporator.

As previously mentioned, the IRCL facility was issued a Title V Air Construction Permit No. 0610015-009-AC for the Landfill Gas Utility Flare as Emission Unit (EU) 009 on 31 October 2024 with an expiration date of 31 May 2027. This permit authorizes construction of the flare and initial operation to determine compliance with FDEP rules. The permit requires that SWDD apply for the permit at least 90 days prior to expiration of the air construction permit, but no later than 180 days after commencing operation. It also requires that SWDD conduct an initial visible emissions compliance test within 60 days after achieving the permitted capacity, but not later than 180 days after initial operation of the unit. The flare went into commercial operation in April 2025 after the start of commissioning and testing. Therefore, the permit application to include EU 009 to the Title V Air Operation Permit and the initial visible emissions test are due in July 2025. This proposal presents the scope of work, schedule and budget estimate to prepare a Title V Air Operation Permit revision application to include the Landfill Gas Utility Flare and to oversee the required testing.

## **PROPOSED SCOPE OF WORK**

This project includes professional engineering services required to revise the Title V Air Operation Permit for the IRCL facility to include the Landfill Gas Utility Flare and to comply with the testing requirements of Permit No. 0610015-009-AC. The scope of work is based on the requirements of F.S. Chapter 403, Chapters 62-4, 62-210, 62-213 F.A.C., and Geosyntec's understanding of the project based on information provided by SWDD and the Title V permitting requirements. Geosyntec will provide the engineering services necessary to prepare the permit modification application and request for additional information (RAI) from FDEP.

For budgeting purposes, the scope of work will be performed in three phases as follows:

- Phase 1 – General Consulting/Meeting Support/Project Management;
- Phase 2 – Visible Emission Testing;

- Phase 3 – Title V Permit Revision Application; and
- Phase 4 – Response to Regulatory Comments.

Each of these phases is briefly described below.

### **Phase 1 – General Consulting/Meeting Support/Project Management**

Phase 1 consists of three components: general consulting, meeting support, and project management. Geosyntec will provide SWDD with consulting services necessary to initiate the Project. Geosyntec will prepare presentation graphics, and other documents required to support the Project's meetings and coordination activities.

A kickoff meeting with SWDD and IRSC, is proposed before the start of project activities so that the specific project requirements can be discussed. If required by SWDD, Geosyntec will prepare for and attend a meeting with the SWDD Board to explain the project scope and budget requirements (Note that this meeting is not included in the budget estimate presented below). Geosyntec will also schedule and attend, with SWDD staff, meetings with DARM office in Tallahassee to discuss specific permitting issues. In addition, review meetings will be held with SWDD as necessary during the project implementation schedule. Following each meeting, Geosyntec will prepare meeting minutes that document decisions reached in the meetings.

For the purpose of this budget estimate, Geosyntec has included four (4) meetings: (i) one (1) kickoff meeting with SWDD; (ii) one (1) in-progress design review meeting with SWDD; and (iii) two (2) meetings with FDEP and SWDD staff. The FDEP meetings will consist of: (i) one (1) pre-application meeting; and (ii) review meeting following submittal of the Title V permit revision application. These meetings will be held via teleconference to reduce overall costs of the project.

Project management activities will include budget and schedule tracking, invoice review, and project communications, including the preparation of a monthly progress report. The project report will include a description of the activities completed during the month and planned activities for the following month. In addition, the progress report will identify technical or administrative issues that require SWDD's attention and the current status of the budget and schedule.

### **Phase 2 – Visible Emission Testing**

Under this phase, Geosyntec will oversee the visible emission per Permit Condition 9. This includes retaining the subcontractor to perform the emission testing, review the test procedures and report prior to submittal to FDEP, and providing the communication to FDEP that is required under Permit Condition 9. Additionally, the visible emission test will be included as an attachment in the Title V Air Operation Permit application.

### **Phase 3– Title V Permit Revision Applications**

Under this phase, Geosyntec will prepare the FDEP Title V Air Operation Permit revision application for the IRCL facility. Geosyntec will complete FDEP, DARM Form No. 62-210.900(1) titled “Application for Air Permit - Long Form” and address the additional information items required by the form. The following items will be prepared as part of the permit revision application:

- Facility plot plan;
- Process flow diagram;
- Precautions to prevent emissions of unconfined particulate matter;
- List of insignificant activities;
- Identification of applicable requirements;
- Compliance report and plan;
- Description of proposed revisions to the current Title V Air Operation Permit;
- Fuel analysis or specification;
- Detailed description of control equipment;
- Procedures for startup and shutdown;
- Operation and maintenance plan;
- Previously submitted information; and
- Identification of applicable requirements.

Geosyntec will describe the additional emission unit (i.e., the flare) for the IRCL facility, and calculate the emissions of air pollutants expected to be released into the environment by its operation. Geosyntec will complete the required FDEP Form 62-210.900(1) and prepare a transmittal letter to FDEP that summarizes the permit revision application package.

### **Phase 4 – Response to Regulatory Comments**

Following submittal of the permit revision application, Geosyntec will meet with the FDEP-DARM Tallahassee office to present and discuss the application package. This meeting will be held via teleconference in order to reduce overall costs of the project. Geosyntec will provide FDEP-DARM with written responses to requests for additional information (RAIs) throughout the course of the permit application review process. For the purpose of the budget estimate, Geosyntec has estimated one response to FDEP-DARM RAI will be required.

Geosyntec will also review and provide comments on the draft Title V Revised Permit issued by FDEP to ensure that it is consistent with the facility requirements and does not contain unexpected compliance and monitoring requirements.

Mr. Himanshu Mehta

8 May 2025

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## SCHEDULE

Geosyntec will initiate work immediately upon receipt of Notice to Proceed (NTP) from SWDD. Geosyntec has assumed that this NTP would be issued no later than 21 May 2025 in order for us to complete the work and submit the Title V Air Operation Permit Revision Application to FDEP before the due date.

## BUDGET ESTIMATE

The budget estimate for the scope of work outlined in this proposal is summarized in the following table, and a detailed budget estimate is provided as Attachment A. The budget estimate does not include permit fees that may be required at the time the permit application is submitted to FDEP.

Phase 1 –Project Management/Meetings	\$8,064.90
Phase 2 – Visible Emission Testing	\$17,650.40
Phase 3 – Title V Permit Revision Application	\$13,115.25
Phase 4 – Response to Regulatory Comments	<u>\$5,467.50</u>
<b>Total Budget Estimate</b>	<b>\$44,298.05</b>

Geosyntec will not exceed the cost estimate without prior approval and written authorization from SWDD.

## CLOSURE

Geosyntec appreciates this opportunity to offer our services. If this proposal is acceptable, please indicate your agreement by signing the attached work authorization, which references this proposal. Please return one signed work authorization to Dr. Badu-Tweneboah's attention. Please call the undersigned with questions you may have as you review this proposal.

Sincerely,



Cristina Graver, P.E.  
Senior Engineer

Copies: Tim Copland and Nichole Walko – Geosyntec Consultants

Attachments

**ATTACHMENT A**  
**DETAILED BUDGET ESTIMATE**

**TABLE 1**  
**BUDGET ESTIMATE**  
**Preparation of the Title V Air Operation Permit Including Visible Emission Testing**  
**INDIAN RIVER COUNTY LANDFILL**  
**INDIAN RIVER COUNTY, FLORIDA**

**PHASE 1: General Consulting/Meeting Support/Project Management**

ITEM	BASIS	RATE	QUANTITY	ESTIMATED COST
<b>A. Professional Services</b>				
a. Senior Principal	Hr	\$310.00	2	\$620.00
b. Principal	Hr	\$287.00	0	\$0.00
c. Senior Professional	Hr	\$265.00	8	\$2,120.00
d. Project Professional	Hr	\$235.00	10	\$2,350.00
e. Professional	Hr	\$207.00	0	\$0.00
f. Senior Staff Professional	Hr	\$184.00	10	\$1,840.00
g. Staff Professional	Hr	\$160.00	0	\$0.00
<b>Subtotal Professional Services</b>				<b>\$6,930.00</b>
<b>B. Technical/Administrative Services</b>				
a. Senior Designer	Hr	\$195.00	0	\$0.00
b. Designer	Hr	\$165.00	0	\$0.00
c. Senior Drafter/Senior CADD Operator	Hr	\$150.00	0	\$0.00
d. Project Administrator	Hr	\$90.00	10	\$900.00
e. Clerical	Hr	\$68.00	0	\$0.00
<b>Subtotal Technical/Administrative Services</b>				<b>\$900.00</b>
<b>C. Indirect Expenses</b>				
a. Subcontractor Services	Each	\$0.00	1.00	\$0.00
<b>Subcontractor Services</b>				<b>\$0.00</b>
<b>D. Direct Expenses</b>				
a. Lodging	Day	\$150.00	0	\$0.00
b. Per Diem	Day	\$55.00	0	\$0.00
c. Communications Fee	3% Labor	3%	\$7,830	\$234.90
d. CADD Computer System	Hr	\$15.00	0	\$0.00
e. Vehicle Rental & Fuel	Day	\$150.00	0	\$0.00
<b>Subtotal Reimbursables</b>				<b>\$234.90</b>
<b>TOTAL ESTIMATED BUDGET : PHASE 1</b>				<b>\$8,064.90</b>

**TABLE 2**  
**BUDGET ESTIMATE**  
**Preparation of the Title V Air Operation Permit Including Visible Emission Testing**  
**INDIAN RIVER COUNTY LANDFILL**  
**INDIAN RIVER COUNTY, FLORIDA**

**PHASE 2: Visible Emission Testing**

ITEM	BASIS	RATE	QUANTITY	ESTIMATED COST
<b>A. Professional Services</b>				
a. Senior Principal	Hr	\$310.00	0	\$0.00
b. Principal	Hr	\$287.00	0	\$0.00
c. Senior Professional	Hr	\$265.00	4	\$1,060.00
d. Project Professional	Hr	\$235.00	4	\$940.00
e. Professional	Hr	\$207.00	0	\$0.00
f. Senior Staff Professional	Hr	\$184.00	20	\$3,680.00
g. Staff Professional	Hr	\$160.00	0	\$0.00
<b>Subtotal Professional Services</b>				<b>\$5,680.00</b>
<b>B. Technical/Administrative Services</b>				
a. Senior Designer	Hr	\$195.00	0	\$0.00
b. Designer	Hr	\$165.00	0	\$0.00
c. Senior Drafter/Senior CADD Operator	Hr	\$150.00	0	\$0.00
d. Project Administrator	Hr	\$90.00	0	\$0.00
e. Clerical	Hr	\$68.00	0	\$0.00
<b>Subtotal Technical/Administrative Services</b>				<b>\$0.00</b>
<b>C. Indirect Expenses</b>				
a. Subcontractor Services	Each	\$11,500.00	1.00	\$11,500.00
<b>Subcontractor Services</b>				<b>\$11,500.00</b>
<b>D. Direct Expenses</b>				
a. Lodging	Day	\$150.00	0	\$0.00
b. Per Diem	Day	\$55.00	0	\$0.00
c. Communications Fee	3% Labor	3%	\$5,680	\$170.40
d. CADD Computer System	Hr	\$15.00	0	\$0.00
e. Vehicle Rental & Fuel	Day	\$150.00	2	\$300.00
f. 8"x11" Photocopies	Each	\$0.12	0	\$0.00
g. CADD Drawings	Each	\$3.00	0	\$0.00
<b>Subtotal Reimbursables</b>				<b>\$470.40</b>
<b>TOTAL ESTIMATED BUDGET : PHASE 2</b>				<b>\$17,650.40</b>

**TABLE 3**  
**BUDGET ESTIMATE**  
**Preparation of the Title V Air Operation Permit Including Visible Emission Testing**  
**INDIAN RIVER COUNTY LANDFILL**  
**INDIAN RIVER COUNTY, FLORIDA**

**PHASE 3: Title V Permit Revision Application**

ITEM	BASIS	RATE	QUANTITY	ESTIMATED COST
<b>A. Professional Services</b>				
a. Senior Principal	Hr	\$310.00	2	\$620.00
b. Principal	Hr	\$287.00	0	\$0.00
c. Senior Professional	Hr	\$265.00	10	\$2,650.00
d. Project Professional	Hr	\$235.00	0	\$0.00
e. Professional	Hr	\$207.00	15	\$3,105.00
f. Senior Staff Professional	Hr	\$184.00	30	\$5,520.00
g. Staff Professional	Hr	\$160.00	0	\$0.00
<b>Subtotal Professional Services</b>				<b>\$11,895.00</b>
<b>B. Technical/Administrative Services</b>				
a. Senior Designer	Hr	\$195.00	4	\$780.00
b. Designer	Hr	\$165.00	0	\$0.00
c. Senior Drafter/Senior CADD Operator	Hr	\$150.00	0	\$0.00
d. Project Administrator	Hr	\$90.00	0	\$0.00
e. Clerical	Hr	\$68.00	0	\$0.00
<b>Subtotal Technical/Administrative Services</b>				<b>\$780.00</b>
<b>C. Indirect Expenses</b>				
a. Subcontractor Services	Each	\$0.00	1.00	\$0.00
<b>Subcontractor Services</b>				<b>\$0.00</b>
<b>D. Direct Expenses</b>				
a. Lodging	Day	\$150.00	0	\$0.00
b. Per Diem	Day	\$55.00	0	\$0.00
c. Communications Fee	3% Labor	3%	\$12,675	\$380.25
d. CADD Computer System	Hr	\$15.00	4	\$60.00
e. Vehicle Rental & Fuel	Day	\$150.00	0	\$0.00
f. 8"x11" Photocopies	Each	\$0.12	0	\$0.00
g. CADD Drawings	Each	\$3.00	0	\$0.00
<b>Subtotal Reimbursables</b>				<b>\$440.25</b>
<b>TOTAL ESTIMATED BUDGET : PHASE 3</b>				<b>\$13,115.25</b>

**TABLE 4**  
**BUDGET ESTIMATE**  
**Preparation of the Title V Air Operation Permit Including Visible Emission Testing**  
**INDIAN RIVER COUNTY LANDFILL**  
**INDIAN RIVER COUNTY, FLORIDA**

**PHASE 4: Response to Regulatory Comments**

ITEM	BASIS	RATE	QUANTITY	ESTIMATED COST
<b>A. Professional Services</b>				
a. Senior Principal	Hr	\$310.00	0	\$0.00
b. Principal	Hr	\$287.00	0	\$0.00
c. Senior Professional	Hr	\$265.00	8	\$2,120.00
d. Project Professional	Hr	\$235.00	10	\$2,350.00
e. Professional	Hr	\$207.00	0	\$0.00
f. Senior Staff Professional	Hr	\$184.00	0	\$0.00
g. Staff Professional	Hr	\$160.00	0	\$0.00
<b>Subtotal Professional Services</b>				<b>\$4,470.00</b>
<b>B. Technical/Administrative Services</b>				
a. Senior Designer	Hr	\$195.00	4	\$780.00
b. Designer	Hr	\$165.00	0	\$0.00
c. Senior Drafter/Senior CADD Operator	Hr	\$150.00	0	\$0.00
d. Project Administrator	Hr	\$90.00		\$0.00
e. Clerical	Hr	\$68.00	0	\$0.00
<b>Subtotal Technical/Administrative Services</b>				<b>\$780.00</b>
<b>C. Indirect Expenses</b>				
a. Subcontractor Services	Each	\$0.00	1.00	\$0.00
<b>Subcontractor Services</b>				<b>\$0.00</b>
<b>D. Direct Expenses</b>				
a. Lodging	Day	\$150.00	0	\$0.00
b. Per Diem	Day	\$55.00	0	\$0.00
c. Communications Fee	3% Labor	3%	\$5,250	\$157.50
d. CADD Computer System	Hr	\$15.00	4	\$60.00
e. Vehicle Rental & Fuel	Day	\$150.00	0	\$0.00
f. 8"x11" Photocopies	Each	\$0.12	0	\$0.00
g. CADD Drawings	Each	\$3.00	0	\$0.00
<b>Subtotal Reimbursables</b>				<b>\$217.50</b>
<b>TOTAL ESTIMATED BUDGET : PHASE 4</b>				<b>\$5,467.50</b>