

CCNA2018 WORK ORDER _2_

TITLE V AIR OPERATION PERMIT MODIFICATIONS

This Work Order Number 2 is entered into as of this day of , 201 , pursuant to that certain Continuing Consulting Engineering Services Agreement for Professional Services entered into as of this 17th day of April, 2018 (collectively 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 fee schedule set forth in Exhibit B (Fee Schedule), attached to this Work Order and made a part hereof by this reference. The Consultant will perform the professional services within the timeframe more particularly set forth in Exhibit C (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:

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

By:



Thomas A. Peel, Ph.D.

By:

, Chairman

Title:

Senior Vice-President

BCC Approved Date: _____

**Attest: Jeffrey R. Smith, Clerk of Court and
Comptroller**

By:

Deputy Clerk

Approved:

Jason E. Brown, County Administrator

Approved as to form and legal sufficiency:

Dylan T. Reingold, County Attorney

EXHIBIT 1

PROFESSIONAL SERVICES

5 October 2018

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

**Subject: Proposal for Engineering Services
Title V Air Operation Permit Modification Applications
Indian River County Landfill Facility
Vero Beach, Indian River County, Florida**

Dear Mr. Mehta:

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 the modification of the Title V Air Operation Permit for the IRC Landfill (IRCL) facility. The current 5-year permit (Permit No. 0610015-005-AV) was issued on June 1, 2017 with an expiration date of June 1, 2022 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 the applications for the permit modification to include two emergency generators at the IRCL facility. The proposal was prepared in response to a verbal request from Mr. Himanshu Mehta, P.E., Managing Director, of SWDD, during a 4 October 2018 telephone conversation with Dr. Kwasi Badu-Tweneboah, P.E. of Geosyntec.

Geosyntec has prepared this proposal as Exhibit 1 of CCNA-2018-WO No. 2, pursuant to that certain Continuing Contract Agreement for Professional Services, dated April 17, 2018 (collectively referred to as the "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. 0610015-005-AV, effective June 1, 2017. The permit covers the following emission units: (i) EU 003 – Municipal Solid Waste

(MSW)Landfill consisting of three total closed and active Class I landfill segments and one infill area; (ii) EU 004 – Emergency Standby Generator, which is a 605-kW generator used to provide electricity during power outages to the on-site bio-solids dewatering facility; and (iii) EU 005 – Landfill Gas Utility Flare which is a 3,000-scfm open, non-assisted candlestick-type utility flare used to control gaseous emissions from the MSW landfill (EU 003).

Geosyntec understands that SWDD recently installed a 200-kW emergency standby generator for the administrative building at the IRCL facility and is also planning on installing a 20-kW emergency generator for the new leachate lift station as part of the Cell 2 – Segment 3 landfill construction. These two generators would have to be added to the Title V Air Operation Permit for the ORCL facility. Based on the power ratings of the generators, they may qualify as exemptions from obtaining Air Construction Permits and also as insignificant units under the current Title V Air Operation Permit depending on the total number of days used in a year.

PROPOSED SCOPE OF WORK

This project includes professional engineering services required to modify the Title V Air Operation Permit for the IRCL facility to include the two additional emergency standby generators. The scope of work is based on the requirements of Chapter 403 of the Florida Statute (F.S.), Chapters 62-4, 62-210 and 62-213 of the Florida Administrative Code (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 address 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 – Title V Permit Modification Application; and
- Phase 3 – Response to Regulatory Comments.

Each of these phases is briefly described below.

Phase 1 – General Consulting/Meeting Support/Project Management

Under this phase, Geosyntec will perform project planning and management responsibilities, such as correspondence with SWDD and FDEP, invoice review, project coordination, budget and schedule tracking and project administration. Geosyntec has also included a budget for preparation and attendance (by two Geosyntec personnel) at two meetings: (i) kickoff meeting with SWDD staff to obtain information required to complete the application; and (ii) a pre-

application meeting with FDEP-DARM and SWDD to discuss specific permitting requirements. Geosyntec has assumed that both meetings will be held via teleconference in order to reduce overall costs to the project.

Phase 2 – Title V Permit Modification Applications

Geosyntec understands that the first emergency standby generator for the administrative building was installed on May 18, 2018. The second generator for the lift station, however, will be installed in the first quarter of 2019. Since the regulations typically require submittal of permit applications within 180 days of installation of an emission unit, it is likely that two separate permit modification applications would have to be submitted to FDEP, one for each generator. However, Geosyntec will explore the possibility of submitting one combined application for the two generators. Geosyntec will prepare the FDEP Title V Air Operation Permit modification applications 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 renewal 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 changes 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 two additional emission units (i.e., the emergency standby generators) for the IRCL facility, and calculate the emissions of air pollutants expected to be released into the environment by their operation. Geosyntec will complete the required FDEP Form 62-210.900(1) and prepare a transmittal letter(s) to FDEP that summarizes the permit modification application package(s).

Phase 3 – Response to Regulatory Comments

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

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

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 16 October 2018 in order for us to complete the work and submit the Title V Air Operation Permit Modification Application to FDEP before the deadline of 18 November 2018 for the first generator.

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 will be required at the time the permit application is submitted to FDEP.

Phase 1 – General Consulting/Meeting Support/Project Management	\$7,395
Phase 2 – Title V Permit Modification Application	\$12,314
Phase 3: Response to Regulatory Comments	<u>\$5,289</u>
Total Budget Estimate	\$24,998

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

Mr. Himanshu Mehta, P.E. Managing Director
5 October 2018
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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,



Kwasi Badu-Tweneboah, Ph.D., P.E.
Principal

Attachments

ATTACHMENT A
DETAILED BUDGET ESTIMATE

Table 1

**BUDGET ESTIMATE
TITLE V PERMIT MODIFICATION APPLICATION
INDIAN RIVER COUNTY CLASS I LANDFILL
INDIAN RIVER COUNTY, FLORIDA**

PHASE 1: PROJECT MANAGEMENT/MEETINGS

ITEM	BASIS	RATE	QUANTITY	ESTIMATED COST
A. Professional Services				
a. Senior Principal	Hr	\$240	0	\$0
b. Principal	Hr	\$225	16	\$3,600
c. Senior Professional	Hr	\$205	0	\$0
d. Project Professional	Hr	\$185	0	\$0
e. Professional	Hr	\$160	0	\$0
f. Senior Staff Professional	Hr	\$140	18	\$2,520
g. Staff Professional	Hr	\$120	0	\$0
Subtotal Professional Services				\$6,120
B. Technical/Administrative Services				
a. CADD Designer	Hr	\$130	0	\$0
b. Senior Drafter/Senior CADD Operator	Hr	\$115	0	\$0
c. Project Administrator	Hr	\$65	12	\$780
d. Clerical	Hr	\$50	0	\$0
Subtotal Technical/Administrative Services				\$780
C. Reimbursables				
a. Lodging	Day	\$100	0	\$0
b. Per Diem	Day	\$51	2	\$102
c. Communications Fee	3% Labor	0.03	\$6,900	\$207
d. CADD Computer System	Hr	\$15	0	\$0
e. Vehicle Rental & Fuel	Day	\$150	1	\$150
f. 8"x11" Photocopies	Each	\$0.12	50	\$6
g. CADD Drawings	Each	\$3	10	\$30
Subtotal Reimbursables				\$495
TOTAL ESTIMATED BUDGET : PHASE 01				\$7,395

Table 2

**BUDGET ESTIMATE
TITLE V PERMIT MODIFICATION APPLICATIONS
INDIAN RIVER COUNTY CLASS I LANDFILL
INDIAN RIVER COUNTY, FLORIDA**

PHASE 2: TITLE V PERMIT MODIFICATION APPLICATIONS

ITEM	BASIS	RATE	QUANTITY	ESTIMATED COST
A. Professional Services				
a. Senior Principal	Hr	\$240	0	\$0
b. Principal	Hr	\$225	13	\$2,925
c. Senior Professional	Hr	\$205	17	\$3,485
d. Project Professional	Hr	\$185	0	\$0
e. Professional	Hr	\$160	0	\$0
f. Senior Staff Professional	Hr	\$140	32	\$4,480
g. Staff Professional	Hr	\$120	0	\$0
Subtotal Professional Services				\$10,890
B. Technical/Administrative Services				
a. CADD Designer	Hr	\$130	4	\$520
b. Senior Drafter/Senior CADD Operator	Hr	\$115	0	\$0
c. Project Administrator	Hr	\$65	0	\$0
d. Clerical	Hr	\$50	8	\$400
Subtotal Technical/Administrative Services				\$920
C. Reimbursables				
a. Lodging	Day	\$100	0	\$0
b. Per Diem	Day	\$45	0	\$0
c. Communications Fee	3% Labor	0.03	\$11,810	\$354
d. CADD Computer System	Hr	\$15	4	\$60
e. Vehicle Rental & Fuel	Day	\$150	0	\$0
f. 8"x11" Photocopies	Each	\$0.12	500	\$60
g. CADD Drawings	Each	\$3	10	\$30
Subtotal Reimbursables				\$504
TOTAL ESTIMATED BUDGET : PHASE 02				\$12,314

Table 3

**BUDGET ESTIMATE
TITLE V PERMIT MODIFICATION APPLICATION
INDIAN RIVER COUNTY CLASS I LANDFILL
INDIAN RIVER COUNTY, FLORIDA**

PHASE 3: RESPONSE TO REGULATORY COMMENTS

ITEM	BASIS	RATE	QUANTITY	ESTIMATED COST
A. Professional Services				
a. Senior Principal	Hr	\$240	0	\$0
b. Principal	Hr	\$225	10	\$2,250
c. Senior Professional	Hr	\$205	4	\$820
d. Project Professional	Hr	\$185	0	\$0
e. Professional	Hr	\$160	0	\$0
f. Senior Staff Professional	Hr	\$140	14	\$1,960
g. Staff Professional	Hr	\$120	0	\$0
Subtotal Professional Services				\$5,030
B. Technical/Administrative Services				
a. Designer	Hr	\$130	0	\$0
b. Senior Drafter/Senior CADD Operator	Hr	\$115	0	\$0
c. Administrative Assistant	Hr	\$65	0	\$0
d. Clerical	Hr	\$50	2	\$100
Subtotal Technical/Administrative Services				\$100
C. Reimbursables				
a. Vehicle Rental & Fuel	Day	\$150	0	\$0
b. Communications Fee	3% Labor	\$0.03	\$5,130	\$154
c. CADD Computer System	Hr	\$ 15.00	\$0	\$0
d. 8"x11" Photocopies	Each	\$0.12	45	\$5
e. CADD Drawings	Each	\$3.00	0	\$0
Subtotal Reimbursables				\$159
TOTAL ESTIMATED BUDGET : PHASE 03				\$5,289