

CCNA2018 WORK ORDER _6_

2020 PERMIT COMPLIANCE MONITORING AND REPORTING

This Work Order Number _6_ is entered into as of this ___ day of _____, 2019_, 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 A (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 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:

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

By: _____
Jim Langenbach, P.E.

By: _____
, Chairman

Title: _____
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 A

PROFESSIONAL SERVICES

19 November 2019

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

**Subject: Proposal to Provide 2020 Compliance Monitoring,
Reporting and Other Technical Support Services
Class I Landfill and C&D Debris Disposal Facility
Indian River County Landfill Facility
Vero Beach, Indian River County, Florida**

Dear Mr. Mehta:

Geosyntec Consultants, Inc. (Geosyntec) is pleased to submit this letter proposal to the Indian River County (IRC) Solid Waste Disposal District (SWDD) to provide professional services supporting the operation of the Class I landfill and Construction and Demolition (C&D) debris disposal facility at the IRC Landfill (IRCL) site located in Vero Beach, Indian River County, Florida. The proposal presents the scope of work, schedule, and budget estimate for the compliance monitoring, reporting and other technical support services related to the operation of the solid waste disposal facilities in 2020.

Geosyntec has prepared this proposal (professional services as Exhibit A of CCNA-2018-WO No. 6, 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 services; (iii) schedule; and (iv) budget estimate.

PROJECT BACKGROUND

The IRCL site is located south of Oslo Road, west of Range Line Road (74th Avenue) and east of Interstate 95 in Section 25, Township 33 South, Range 38 East in Indian River County, Florida. The IRCL site occupies 276 acres, with approximately 141.5 acres permitted for Class I disposal,

19 acres is comprised of Cell 1 C&D debris disposal facility, and 2.5 acres consists of a C&D debris recycling facility.

The Class I landfill currently accepts both Class I waste and C&D debris for disposal under the Florida Department of Environmental Protection (FDEP) Construct and Operate Permit Modification Nos. 0128769-026-SC-IM and 0128769-027-SO-MM, dated April 2, 2018 (Class I Permit). The C&D debris disposal facility operates under FDEP Permit No. 0128769-025-SO-24, dated July 13, 2017 (C&D Permit).

Semi-Annual Water Quality Compliance Monitoring and Reporting

The Water Quality Monitoring Plan (WQMP) for each of the IRCL facilities permits (which is listed as Appendix 3 of each permit) indicates that groundwater and surface water quality monitoring are required. Semi-annual sampling of the Class I landfill and C&D debris disposal facility groundwater monitoring wells shall be conducted in January and July 2020. The samples collected from the Class I landfill and C&D debris disposal facility monitoring wells shall be analyzed for the routine monitoring parameters listed in Section II.3 (Class I Permit) and Paragraph 8 (C&D Permit) of the WQMP, respectively, as required by paragraphs 62-701.510(5)(c) & (7)(a) and 62-701.730(8)(d), Florida Administrative Code (F.A.C.). Samples from one surface water monitoring site (SW-2) shall be collected semi-annually in January and July, if water is discharging from the stormwater pond. The samples, if collected, shall be analyzed for the list of parameters listed in Section III.2 of the Class I Landfill WQMP, as required by paragraphs 62-701.510 (5)(d) and (7)(b), F.A.C.

Geosyntec will subcontract the field sampling activities, and the analytical testing will be conducted by ENCO Laboratories (ENCO) of Orlando, Florida, the analytical laboratory contracted with, and direct bill to, SWDD. The results of the annual and semi-annual water-quality monitoring events are to be reported to FDEP within 60 days of receipt of analysis from the laboratory.

Quarterly Assessment Monitoring for the C&D Debris Disposal Facility

Geosyntec understands that results of routine sampling of C&D debris disposal facility groundwater monitoring well (MW-21S) in January 2017 indicated exceedances of benzene and sodium groundwater cleanup target levels (GCTLs). As a result, SWDD was requested by FDEP to initiate evaluation monitoring in accordance with subsection 62-701.510(6), F.A.C. Pursuant to this request SWDD installed one groundwater monitoring well (MW-49S) in July 2017. These and other wells (MW-21S, MW-33S, MW-35S, MW-40S, MW-49S, MW-50S, MW-51S, and MW-52S) and three surface water (SW) Lateral Canal (LC) sample sites (SW-LC1, SW-LC2, and SW-LC3) have been sampled quarterly from July 2017 to October 2019 under an

evaluation monitoring program with FDEP. However, in an October 14, 2019 correspondence from FDEP to SWDD, the FDEP approved SWDD's request to replace the evaluation monitoring of the eight groundwater wells and three surface water sample sites with quarterly assessment monitoring and with the addition of other parameters (arsenic, benzene, naphthalene, and other semi-volatile organic compounds [VOCs]) to the suite of parameters to be analyzed for at these wells.

Therefore, in addition to the semi-annual sampling of the C&D debris disposal facility monitoring wells in January and July 2020, these eight wells and surface water sample sites will also be sampled in April and October 2020 as part of the 2020 compliance monitoring and reporting program.

Title V Air Operation Permit Compliance

The SWDD was issued a Title V Air Operation renewal permit (Permit No. 0610015-005-AV) effective June 1, 2017. The permit requires that the SWDD prepare and submit to FDEP and the U.S. Environmental Protection Agency (USEPA), Region 4 the following:

- Annual statement of compliance (within 60 days after the end of the calendar year);
- Electronic Annual Operating Report (AOR) and Title V Emissions Fee (on or before April 1 of each year, for the previous calendar year);
- Semi-Annual Monitoring Report (scheduled for March 1 and August 29); and
- Results of an annual landfill gas (LFG) sulfur content test (Annual Emissions Report for Sulfur Dioxide letter report and included in the Electronic Annual Operating Report).

The annual emissions fee is automatically calculated based on emissions reported for marked pollutants on the FDEP's electronic Annual Operating Report (EAOR). Upon submission of the EAOR, the Annual Title V Emissions Fee invoice is generated, and this must be paid by April 1, 2020 for the 2019 reporting period.

Landfill Gas Migration Monitoring

The Class I Landfill solid waste permit also requires quarterly monitoring of LFG migration around the perimeter of the site and within enclosed structures.

Multi Sector General Permit

The SWDD authorization to discharge the overflow of stormwater from the sedimentation pond into the C-6 canal is governed by a five-year Multi Sector General Permit (MSGP) issued by

FDEP. The permit requires that the outfall be sampled quarterly during the first and fourth year of the permit for a list of parameters and the results reported to the FDEP by the first quarter of the fifth year of the permit.

This proposal presents the scope of work and budget estimate for the: (i) semi-annual water-quality compliance monitoring and reporting for the Class I landfill and C&D debris disposal facility; (ii) quarterly assessment monitoring of the eight groundwater wells and three surface water sample sites for the C&D debris disposal facility; (iii) compliance with Title V permit requirements; (iv) compliance with MSGP permit requirements; and (v) other technical and miscellaneous permit compliance support services that may be required by SWDD in 2020.

PROPOSED SCOPE OF SERVICES

The proposed scope of services includes activities to be performed on behalf of SWDD for the compliance monitoring reporting and other technical support services for the Class I landfill and C&D debris disposal facility. For the purpose of budgeting, the scope of work has been divided into the following five (5) main phases:

- Phase 1 – General Consulting/Meeting Support/Project Management;
- Phase 2 – Semi-Annual Sampling and Reporting;
- Phase 3 – Quarterly Assessment Monitoring and Reporting;
- Phase 4 – Title V Permit Compliance and Reporting; and
- Phase 5 – Technical and Miscellaneous Permit Compliance Support and Reporting.

The above scope of services is based on current regulations and reporting requirements for the IRCL facility as previously discussed above. An amendment to this scope of services may be needed should there be any regulatory changes that result in additional work. The remainder of this section presents a general description of the activities to be performed in each phase.

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, prepare a site-specific Health and Safety Plan and project administration. Geosyntec has also included budget for preparation and attendance (by two Geosyntec personnel) at one meeting with SWDD and/or FDEP, as needed.

Phase 2 – Semi-Annual Sampling and Reporting

Geosyntec will assist SWDD to perform the semi-annual sampling and prepare the water-quality monitoring reports as required by the WQMP. Geosyntec will assist SWDD with conducting all field sampling preparation activities, including scheduling, staffing, subcontracting, and field equipment preparation. Geosyntec will subcontract Ideal Tech Services Inc. (ITS) to support the groundwater and surface water sampling. Prior to collecting the groundwater samples in January and July 2020, Geosyntec and ITS will perform water-level measurements from the 56 groundwater monitoring wells and 1 staff gauge (SG-12). Geosyntec and ITS will then perform semi-annual sampling of the Class I landfill and C&D debris disposal facility groundwater monitoring wells in January (34 wells) and July (25 wells) of 2020. We will also perform semi-annual (January and July) sampling of the surface water site (SW-2), if its discharging from the stormwater pond.

It is estimated that data collection and sampling will take five (5) full days in January and four (4) full days in July for the semi-annual monitoring and reporting for the Class I landfill and C&D debris disposal facility. Geosyntec and ITS will deliver the samples to ENCO laboratory for analytical testing under SWDD's contract (i.e., ENCO laboratory will directly invoice SWDD).

The laboratory analytical testing will be conducted by ENCO testing laboratory. The samples collected from the Class I landfill monitoring wells will be analyzed for the routine monitoring parameters listed in paragraph 7 of the WQMP and in accordance with paragraph 62-701.510(5)(c) & (7)(a), F.A.C. The samples collected from the C&D debris disposal facility monitoring wells, with the exception of the quarterly assessment wells, will be analyzed for the routine monitoring parameters listed in paragraph 8 of the WQMP and in accordance with 62-701.739(8)(d), F.A.C. The samples from the surface water site (SW-2) will be analyzed for the list of parameters listed in Section III.2 of the Class I Landfill WQMP, as required by paragraphs 62-701.510 (5)(d) and (7)(b), F.A.C. Geosyntec will assist SWDD in coordinating the analytical testing activities with ENCO, notify FDEP prior to sampling as required by the WQMP, review and evaluate the analytical test results, and prepare the semi-annual reports.

The results of water-quality sampling under the WQMP will be presented in a report supported by attachments containing chain-of-custody sheets, field notes and observations, water sampling logs, maps, analytical results, and any other applicable materials. The reports will include ground water completion report form and ground water elevation contour map, both signed and sealed by a Florida registered professional engineer. These reports will be submitted to SWDD for review prior to submittal to FDEP. The reports (in Adobe format) and analytical data Electronic Data Deliverable (EDD) will be submitted electronically to FDEP using the ADaPT

software in accordance with Section V.E of the WQMP. According to the WQMP, monitoring test results must be submitted to FDEP within 60 days from completion of laboratory analyses.

Phase 3 – Quarterly Assessment Monitoring and Reporting

Geosyntec, using ITS as subcontractor, will perform quarterly sampling events for Calendar Year 2020 (January, April, July, and October) of eight groundwater wells (MW-21S, MW-33S, MW-35S, MW-40S, MW-49S, MW-50S, MW-51S, and MW-52S) and three surface water sample sites (SW-LC1, SW-LC2, and SW-LC3) for the C&D debris disposal facility.

The January and July sampling will be performed as part of the semi-annual sampling program under Phase 2. The April and October data collection and sampling will each take two (2) days to complete. Geosyntec and ITS will deliver the samples to ENCO laboratory for analytical testing under SWDD's contract (i.e., ENCO will directly invoice SWDD for laboratory charges).

The quarterly assessment monitoring samples (including those collected in January and July) will be analyzed for the routine monitoring parameters listed in Paragraph 8 of the WQMP (C&D Permit) plus arsenic and benzene. In addition, monitoring wells MW-21S and MW-49S will be analyzed for 1-methylnaphthalene, 2- methylnaphthalene, anthracite, fluorene, and acenaphthene. These additional parameters were requested by FDEP as part of the approval to convert these wells and surface water sites from evaluation monitoring to quarterly assessment monitoring. Geosyntec will assist SWDD in coordinating the analytical testing activities with ENCO, notify FDEP prior to sampling as required by the WQMP, review and evaluate the analytical test results, and prepare a letter report for each quarterly assessment monitoring event.

The letter reports will be submitted in draft forms to SWDD for review and comment and will be finalized, with SWDD's comments implemented, for submittal to FDEP. Any changes to the monitoring and reporting requirements that might be requested by FDEP based on the results of the quarterly assessment monitoring will be performed under Phase 5 below.

Phase 4 – Title V Permit Compliance and Reporting

Geosyntec will assist SWDD in complying with the operation, monitoring, and reporting requirements for of the active landfill gas collection and control system (GCCS) under the current Title V Air Operation Permit No. 0610015-005-AV. The following permit compliance support services will be provided:

- **Statement of Compliance:** Geosyntec will prepare and submit the annual Statement of Compliance for the Class I Landfill. This compliance document must be submitted to

FDEP within 60 days after the end of the calendar year, as required by subparagraph 62-213.440(3)(a)(2), F.A.C.

- **Electronic Annual Operating Report (EAOR):** Geosyntec will prepare and submit to FDEP the EAOR for the Class I landfill for the calendar year 2019. This report be submitted on or before April 1 of each calendar year, as required by subsection 62-210.370(3), F.A.C. As part of this task, Geosyntec will perform calculations to estimate the annual emission rates of non-methane organic compounds (NMOCs) and VOCs from the LFG to determine if the facility designation has changed from voluntary to mandatory with regard to operation and reporting requirements of the active GCCS under the New Source Performance Standards (NSPS) requirements. The results of the annual LFG sulfur content test will be used in the EAOR calculations. In the event of a status change, Geosyntec will advise SWDD of its implications.
- **Semi-Annual Monitoring Report:** Geosyntec will prepare and submit two semi-annual monitoring reports to demonstrate compliance with the federal requirements of the Title V permit. The reports will address the following permit conditions or compliance requirements:
 - Submittal of reports of any required monitoring at least every 6 months. All instances of deviations from permit requirements must be clearly identified in such reports.
 - Reporting, in accordance with requirements of subsection 62-210.700(6) and Rule 62-4.130, F.A.C., of deviations from permit requirements, including those attributable to upset conditions defined in the permit. Reports shall include the probable cause of such deviations, and any corrective actions or preventative measures taken.
 - Reports shall be accompanied by a responsible official, pursuant to subsection 62-213.420(4), F.A.C.

The reports will only address deviations from the Title V permit conditions. Landfill and LFG operation and maintenance (O&M) data are not required to be reviewed and submitted to FDEP per the Title V permit.

- **Annual Title V Emissions Fee:** The EAOR application used for reporting to FDEP will automatically calculate the annual emission fee for the facility. Geosyntec will notify SWDD of the fee amount and will submit the check for payment of the fee on behalf of SWDD prior to the April 1 deadline.

- **Annual LFG Sulfur Content Test:** Geosyntec will collect three samples of LFG annually to determine the sulfur content in accordance with ASTM Method D5504-12 or D7493. The samples will be tested by a certified air testing laboratory. The laboratory test results will be used to calculate sulfur emissions and a report prepared for submittal to FDEP. The LFG sulfur content test and reporting will be completed no later than 31 December 2020.

Phase 5 – Technical and Miscellaneous Permit Compliance Support and Reporting

Under this phase, Geosyntec will provide SWDD with technical support and miscellaneous permit compliance support services related to the Class I landfill and C&D disposal facility on an as needed basis. These services may include:

- Reporting required by the Multi-Sector Generic Permit for stormwater discharge;
- Quarterly monitoring and reporting of the LFG monitoring wells located at the perimeter of the site and also in enclosed structures;
- Miscellaneous permit and compliance support services;
- Assistance with preparing annual budgets for SWDD;
- Preparing agenda items for and attending SWDD Board of County Commissioners meetings upon request;
- Sampling and reporting for additional monitoring wells and surface water for the C&D debris disposal facility depending on the results of the semi-annual and quarterly sampling and analytical testing; and
- Other services as needed.

As part of these services, Geosyntec proposes to assist SWDD with following for the evaluation and resolution with issues pertaining to the exceedances in select analytes of the C&D debris disposal facility monitoring wells and surface sample sites:

- Monitoring Well Construction Review – Review monitoring well construction details and historical depth to water measurements for all wells in the monitoring network to evaluate if screen intervals are representative of aquifer conditions. This recommendation is based on the redox sensitive nature of analytes, particularly metals, in groundwater resulting in variable groundwater concentrations due to water level fluctuations.
- Alternative Groundwater Cleanup Target Level – In 2012, FDEP published a memorandum regarding ammonia in groundwater at solid waste management facilities. Based on this memorandum, Geosyntec suggests exploring the alternative GCTL for

ammonia in regard to the Site. Following the creation of the alternative GCTL, Geosyntec would re-evaluate ammonia results for the Site.

- Use of FDEP Rounding Memo – FDEP approves rounding analytical results to the same number of significant figures used to express the applicable GCTL. This guidance is currently not being applied to screening of analytical results at the Site. If applied, concentrations of benzene in monitoring well MW-21S would be considered below the GCTL in 50% fewer monitoring events since 2017.
- Background Study – In regard to metals exceedances at the Site, we recommend conducting a background study, as these analytes are typically natural occurring in the vicinity of a landfill. This study would include research of nearby analytical data and research of other C&D debris disposal facility data as well as the adjacent Class I landfill data. Our recollection is that there has been some exceedances of iron and arsenic in groundwater wells north of the Class I Landfill, and this was attributed to the borrow pond north of the Class I landfill. Results of this study could also remove the need for surface water sample collection at the Site.

The objective of the above evaluation is to see if the site data supports a reduced monitoring network and frequency in the vicinity of the C&D debris disposal facility and therefore propose to FDEP for returning it to return to semi-annual monitoring program that is required by the solid waste permit.

SCHEDULE

Geosyntec will initiate work immediately upon receipt of Notice to Proceed (NTP) from SWDD. The compliance reports required by each permit will be completed and submitted to FDEP before the deadlines discussed above. Other technical and miscellaneous permit compliance support services will be provided on an as-needed basis.

BUDGET ESTIMATE

Geosyntec proposes to perform the above-referenced work on a lump sum basis for \$157,629. A budget estimate for the scope of work outlined in Phases 1 through 5 of this proposal is summarized in the following table, and a detailed budget estimate is provided as Attachment 1. The budget estimate presented in this proposal is based on Geosyntec's understanding of the project requirements, our experience gained from executing similar tasks for SWDD during 2007 and 2008, and experience with compliance monitoring, and reporting at similar facilities.

| | |
|--|-------------|
| Phase 1 – Project Management/Meetings | \$26,198.20 |
| Phase 2 – Semi-Annual Sampling and Reporting | \$61,860.79 |

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| | |
|---|---------------------|
| Phase 3 – Quarterly Assessment Monitoring and Reporting | \$31,270.90 |
| Phase 4 – Title V Permit Compliance and Reporting | \$29,068.40 |
| Phase 5 – Technical and Miscellaneous Permit Compliance Support | \$28,113.00 |
| TOTAL | \$176,511.29 |

Geosyntec will invoice SWDD each month of the project on a lump sum, percent complete basis in accordance with our Agreement. Additional services or any significant change in the scope of work will be performed using the Rate Schedule included in our Agreement. Geosyntec will not exceed the budget 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 either of the undersigned with questions you may have as you review this proposal.

Sincerely,



Kwasi Badu-Tweneboah, Ph.D., P.E.
Principal Engineer/Project Manager



Jim Langenbach, P.E., BCEE
Senior Principal

Attachments

ATTACHMENT 1
BUDGET ESTIMATE

Table 1

**BUDGET ESTIMATE
2020 COMPLIANCE MONITORING, REPORTING AND OTHER
TECHNICAL SUPPORT SERVICES
CLASS I LANDFILL AND C&D DEBRIS DISPOSAL FACILITY
INDIAN RIVER COUNTY, FLORIDA**

PHASE 01: General Consulting/Meeting Support/Project Management

| ITEM | BASIS | RATE | QUANTITY | ESTIMATED COST |
|---|----------|--------|----------|--------------------|
| A. Professional Services | | | | |
| a. Senior Principal | Hr | \$240 | 10 | \$2,400.00 |
| b. Principal | Hr | \$225 | 40 | \$9,000.00 |
| c. Senior Professional | Hr | \$205 | 0 | \$0.00 |
| d. Project Professional | Hr | \$185 | 0 | \$0.00 |
| e. Professional | Hr | \$160 | 64 | \$10,240.00 |
| f. Senior Staff Professional | Hr | \$140 | 0 | \$0.00 |
| g. Staff Professional | Hr | \$120 | 8 | \$960.00 |
| Subtotal Professional Services | | | | \$22,600.00 |
| B. Technical/Administrative Services | | | | |
| a. Designer | Hr | \$130 | 0 | \$0.00 |
| b. Senior Drafter/Senior CADD Operator | Hr | \$115 | 0 | \$0.00 |
| c. Project Administrator | Hr | \$65 | 36 | \$2,340.00 |
| d. Clerical | Hr | \$50 | 0 | \$0.00 |
| Subtotal Technical/Administrative Services | | | | \$2,340.00 |
| C. Reimbursables | | | | |
| a. Lodging | Day | \$100 | 0 | \$0.00 |
| b. Per Diem | Day | \$55 | 0 | \$0.00 |
| c. Communications Fee | 3% Labor | \$0.03 | \$24,940 | \$748.20 |
| d. CADD Computer System | Hr | \$15 | 0 | \$0.00 |
| e. Vehicle Rental & Fuel | Day | \$150 | 3 | \$450.00 |
| f. 8"x11" Photocopies | Each | \$0.12 | 500 | \$60.00 |
| g. CADD Drawings | Each | \$3 | 0 | \$0.00 |
| Subtotal Reimbursables | | | | \$1,258.20 |
| TOTAL ESTIMATED BUDGET : PHASE 01 | | | | \$26,198.20 |

Table 2

**BUDGET ESTIMATE
2020 COMPLIANCE MONITORING, REPORTING AND OTHER
TECHNICAL SUPPORT SERVICES
CLASS I LANDFILL AND C&D DEBRIS DISPOSAL FACILITY
INDIAN RIVER COUNTY, FLORIDA**

PHASE 02: SEMI-ANNUAL SAMPLING AND REPORTING

| ITEM | BASIS | RATE | QUANTITY | ESTIMATED COST |
|---|----------|----------|----------|--------------------|
| A. Professional Services | | | | |
| a. Senior Principal | Hr | \$240 | 20 | \$4,800.00 |
| b. Principal | Hr | \$225 | 40 | \$9,000.00 |
| c. Senior Professional | Hr | \$205 | 12 | \$2,460.00 |
| d. Project Professional | Hr | \$185 | 20 | \$3,700.00 |
| e. Professional | Hr | \$160 | 84 | \$13,440.00 |
| f. Senior Staff Professional | Hr | \$140 | 30 | \$4,200.00 |
| g. Staff Professional | Hr | \$120 | 30 | \$3,600.00 |
| Subtotal Professional Services | | | | \$41,200.00 |
| B. Technical/Administrative Services | | | | |
| a. Designer | Hr | \$130 | 0 | \$0.00 |
| b. Senior Drafter/Senior CADD Operator | Hr | \$115 | 20 | \$2,300.00 |
| c. Project Administrator | Hr | \$65 | 0 | \$0.00 |
| d. Clerical | Hr | \$50 | 8 | \$400.00 |
| Subtotal Technical/Administrative Services | | | | \$2,700.00 |
| C. Reimbursables | | | | |
| a. Vehicle Rental & Fuel | Day | \$150 | 9 | \$1,350.00 |
| b. Communications Fee | 3% Labor | \$0.03 | \$43,900 | \$1,317.00 |
| c. Lodging | Day | \$100 | 9 | \$900.00 |
| d. Per Diem | Day | \$55 | 9 | \$495.00 |
| e. CADD Computer System | Hr | \$15 | 20 | \$300.00 |
| f. 8"x11" Photocopies | Each | \$0.12 | 500 | \$60.00 |
| g. CADD Drawings | Each | \$3 | 20 | \$60.00 |
| h. Subcontractor | LS | \$12,597 | 1.07 | \$13,478.79 |
| Subtotal Reimbursables | | | | \$17,960.79 |
| TOTAL ESTIMATED BUDGET : PHASE 02 | | | | \$61,860.79 |

Table 3

**BUDGET ESTIMATE
2020 COMPLIANCE MONITORING, REPORTING AND OTHER
TECHNICAL SUPPORT SERVICES
CLASS I LANDFILL AND C&D DEBRIS DISPOSAL FACILITY
INDIAN RIVER COUNTY, FLORIDA**

PHASE 03: QUARTERLY ASSESSMENT MONITORING AND REPORTING

| ITEM | BASIS | RATE | QUANTITY | ESTIMATED COST |
|---|----------|----------|----------|--------------------|
| A. Professional Services | | | | |
| a. Senior Principal | Hr | \$240 | 8 | \$1,920.00 |
| b. Principal | Hr | \$225 | 12 | \$2,700.00 |
| c. Senior Professional | Hr | \$205 | 0 | \$0.00 |
| d. Project Professional | Hr | \$185 | 16 | \$2,960.00 |
| e. Professional | Hr | \$160 | 60 | \$9,600.00 |
| f. Senior Staff Professional | Hr | \$140 | 20 | \$2,800.00 |
| g. Staff Professional | Hr | \$120 | 20 | \$2,400.00 |
| Subtotal Professional Services | | | | \$22,380.00 |
| B. Technical/Administrative Services | | | | |
| a. Designer | Hr | \$130 | 0 | \$0.00 |
| b. Senior Drafter/Senior CADD Operator | Hr | \$115 | 20 | \$2,300.00 |
| c. Project Administrator | Hr | \$65 | 0 | \$0.00 |
| d. Clerical | Hr | \$50 | 8 | \$400.00 |
| Subtotal Technical/Administrative Services | | | | \$2,700.00 |
| C. Reimbursables | | | | |
| a. Vehicle Rental & Fuel | Day | \$150.00 | 4 | \$600.00 |
| b. Communications Fee | 3% Labor | \$0.03 | \$25,080 | \$752.40 |
| c. Lodging | Day | \$100 | 4 | \$400.00 |
| d. Per Diem* | Day | \$55 | 4 | \$220.00 |
| e. CADD Computer System | Hr | \$15 | 20 | \$300.00 |
| f. 8"x11" Photocopies | Each | \$0.12 | 500 | \$60.00 |
| g. CADD Drawings | Each | \$3 | 20 | \$60.00 |
| h. Subcontractor | LS | \$3,550 | 1.07 | \$3,798.50 |
| Subtotal Reimbursables | | | | \$6,190.90 |
| TOTAL ESTIMATED BUDGET : PHASE 03 | | | | \$31,270.90 |

Table 4

**BUDGET ESTIMATE
2020 COMPLIANCE MONITORING, REPORTING AND OTHER
TECHNICAL SUPPORT SERVICES
CLASS I LANDFILL AND C&D DEBRIS DISPOSAL FACILITY
INDIAN RIVER COUNTY, FLORIDA**

PHASE 04: TITLE V PERMIT COMPLIANCE AND REPORTING

| ITEM | BASIS | RATE | QUANTITY | ESTIMATED COST |
|---|----------|---------|----------|--------------------|
| A. Professional Services | | | | |
| a. Senior Principal | Hr | \$240 | 4 | \$960.00 |
| b. Principal | Hr | \$225 | 40 | \$9,000.00 |
| c. Senior Professional | Hr | \$205 | 8 | \$1,640.00 |
| d. Project Professional | Hr | \$185 | 0 | \$0.00 |
| e. Professional | Hr | \$160 | 60 | \$9,600.00 |
| f. Senior Staff Professional | Hr | \$140 | 20 | \$2,800.00 |
| g. Staff Professional | Hr | \$120 | 0 | \$0.00 |
| Subtotal Professional Services | | | | \$24,000.00 |
| B. Technical/Administrative Services | | | | |
| a. Designer | Hr | \$130 | 0 | \$0.00 |
| b. Senior Drafter/Senior CADD Operator | Hr | \$115 | 12 | \$1,380.00 |
| c. Tproject Administrator | Hr | \$65 | 0 | \$0.00 |
| d. Clerical | Hr | \$50 | 8 | \$400.00 |
| Subtotal Technical/Administrative Services | | | | \$1,780.00 |
| C. Reimbursables | | | | |
| a. Lodging | Day | \$100 | 2 | \$200.00 |
| b. Per Diem | Day | \$55 | 2 | \$110.00 |
| c. Communications Fee | 3% Labor | \$0.03 | \$25,780 | \$773.40 |
| d. CADD Computer System | Hr | \$15 | 12 | \$180.00 |
| e. Vehicle Rental & Fuel | Day | \$150 | 2 | \$300.00 |
| f. 8"x11" Photocopies | Each | \$0.12 | 500 | \$60.00 |
| g. CADD Drawings | Each | \$3 | 20 | \$60.00 |
| h. Subcontractor | LS | \$1,500 | 1.07 | \$1,605.00 |
| Subtotal Reimbursables | | | | \$3,288.40 |
| TOTAL ESTIMATED BUDGET : PHASE 04 | | | | \$29,068.40 |

Table 5

**BUDGET ESTIMATE
2020 COMPLIANCE MONITORING, REPORTING AND OTHER
TECHNICAL SUPPORT SERVICES
CLASS I LANDFILL AND C&D DEBRIS DISPOSAL FACILITY
INDIAN RIVER COUNTY, FLORIDA**

PHASE 05: TECHNICAL MISCELLANEOUS COMPLIANCE SUPPORT SERVICES

| ITEM | BASIS | RATE | QUANTITY | ESTIMATED COST |
|---|----------|--------|----------|--------------------|
| A. Professional Services | | | | |
| a. Senior Principal | Hr | \$240 | 20 | \$4,800.00 |
| b. Principal | Hr | \$225 | 16 | \$3,600.00 |
| c. Senior Professional | Hr | \$205 | 0 | \$0.00 |
| d. Project Professional | Hr | \$185 | 20 | \$3,700.00 |
| e. Professional | Hr | \$160 | 50 | \$8,000.00 |
| f. Senior Staff Professional | Hr | \$140 | 20 | \$2,800.00 |
| g. Staff Professional | Hr | \$120 | 0 | \$0.00 |
| Subtotal Professional Services | | | | \$22,900.00 |
| B. Technical/Administrative Services | | | | |
| a. Designer | Hr | \$130 | 0 | \$0.00 |
| b. Senior Drafter/CADD Operator | Hr | \$115 | 20 | \$2,300.00 |
| c. Project Administrator | Hr | \$65 | 0 | \$0.00 |
| d. Clerical | Hr | \$50 | 12 | \$600.00 |
| Subtotal Technical/Administrative Services | | | | \$2,900.00 |
| C. Reimbursables | | | | |
| a. Lodging | Day | \$100 | 3 | \$300.00 |
| b. Per Diem | Day | \$55 | 3 | \$165.00 |
| c. Communications Fee | 3% Labor | \$0.03 | \$25,800 | \$774.00 |
| d. CADD Computer System | Hr | \$15 | 20 | \$300.00 |
| e. Vehicle Rental & Fuel | Day | \$150 | 3 | \$450.00 |
| f. 8"x11" Photocopies | Each | \$0.12 | 200 | \$24.00 |
| g. CADD Drawings | Each | \$3 | 100 | \$300.00 |
| Subtotal Reimbursables | | | | \$2,313.00 |
| TOTAL ESTIMATED BUDGET : PHASE 05 | | | | \$28,113.00 |