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March 9, 2017

Mr. Himanshu H. Mehta, P.E.
Managing Director
Indian River County
Solid Waste Disposal District
1325 74th Avenue SW
Vero Beach, Florida 32960

Subject: Construction and Demolition Debris Landfill
Operations Permit Renewal
Indian River County Solid Waste Disposal District
CDM Smith CCNA-2014 WO NO. 10

Dear Mr. Mehta:

Transmitted herewith is CCNA-2014 WO NO. 10 to provide professional engineering services related to preparing and submitting an application to renew the operations permit for the construction and demolition debris landfill. The Scope of Work and Project Budget are provided herewith as Exhibits A and B, respectively.

If you have any questions or require additional information, please call me at your convenience.

Sincerely,

Kevin N. Vann, P.E., BCEE
Principal Environmental Engineer
CDM Smith Inc.

Approved by:

Eric J. Grotke, P.E., BCEE
Vice President
CDM Smith Inc.

KNV/EJG/jj
Attachments
File: 0000-EJGMK-MG.IRC

cc: Vincent Burke, IRC



EXHIBIT A

CCNA-2014 WO NO. 10

FOR

**INDIAN RIVER COUNTY SOLID WASTE DISPOSAL DISTRICT
C&D DEBRIS LANDFILL
PERMIT RENEWAL AND COMPLIANCE WELL INSTALLATION**

This Authorization, when executed, shall be incorporated in and become part of the Continuing Contract Agreement for Professional Services between the Indian River County Solid Waste Disposal District (COUNTY), and CDM Smith Inc. (CONSULTANT), dated December 6, 2011, and the Extension and Amendment of Continuing Contract Agreement for Professional Services, dated November 4, 2014, hereafter referred to as the Contract.

PROJECT BACKGROUND

The current operations permit (Permit Number SO31-0128769-021) for the construction and demolition (C&D) debris landfill was issued by the Florida Department of Environmental Protection (FDEP) on September 11, 2012 (revised September 17, 2012) and will expire on July 18, 2017. This permit will need to be renewed at this time if the COUNTY intends to keep the C&D debris landfill operational. The permit renewal application is due on May 18, 2017.

The Scope of Work for preparing and submitting the renewal application are outlined below.

SCOPE OF WORK

TASK 1 - C&D DEBRIS LANDFILL OPERATIONS PERMIT RENEWAL

Subtask 1.1 - Preparation of Permit Renewal Documents

The "renewal" application consists of the four-page FDEP Form # 62-701.900(6), Florida Administrative Code (F.A.C.) and other additional supporting information. In accordance with Chapter 62-701.730(2), F.A.C., the renewal applications shall include the information in paragraphs (b) through (f). CONSULTANT will provide the following information as required in Part B of the application:

Part 1 - Not required for permit renewal.

Part 2 - A boundary survey and legal description and topographic survey of the property. A prior topographic survey (February 2012) will be used for this purpose. A new survey will not be performed as a part of this project.

Part 3 - An updated operations plan, which describes in detail the operations, safety, and training procedures, which are used on a daily basis to minimize the risk of environmental degradation. CONSULTANT will make modifications of the existing operating plan as required to incorporate the chromated copper arsenate (CCA) treated wood management plan and for mining of the C&D debris landfill to recover clean concrete and other recyclable materials.

- Part 4 - CONSULTANT will submit an updated closure plan. No significant changes will be made to the Closure Plan that was submitted in April 2011.
- Part 5 - Financial assurance for closure and for 5 years of long-term care. A detailed closure and long-term care cost estimate for the C&D debris landfill will be prepared and submitted as part of the renewal application. The financial assurance documentation will also be sent to the FDEP Tallahassee office as part of the application.
- Part 6 - A CCA treated wood management plan will be submitted as part of the renewal application. No changes will be made to the CCA Treated Wood Management Plan that was submitted in April 2011.
- Part 7 - A groundwater monitoring plan. The Monitoring Plan Implementation Schedule (MPIS) for the Class I landfill includes the C&D landfill. A copy of the MPIS dated March 7, 2011 will be submitted to meet this requirement.
- Part 8 - Documentation to show that stormwater will be controlled. No change to the current stormwater system or Environmental Resource Permit (ERP) is anticipated and is not included in this Scope of Work. CONSULTANT will submit a copy of the current ERP to meet this requirement.
- Part 9 - Documentation that shows how the Owner will comply with the temporary storage requirements of Rule 62-701.730(6), F.A.C. CONSULTANT will attach the required documentation necessary for this part to the permit renewal application.
- Part 10 - Documentation that shows how the Owner will comply with the operation requirements of Rules 62- 701.730(7), (18) and (19), F.A.C. CONSULTANT will attach the required documentation necessary for this part to the permit renewal application.
- Part 11 - Documentation that shows how the Owner will comply with the training requirements of Rule 62- 701.730(8), F.A.C. CDM Smith will attach the required documentation necessary for this part to the permit renewal application.
- Part 12 - Documentation that shows how the Owner will comply with the closure and long-term care requirements of Rules 62-701.730(9) and (10), F.A.C. CONSULTANT will attach the required documentation necessary for this part to the permit renewal application.
- Part 13 - Documentation that the Owner will comply with the annual report requirements of Rule 62- 701.730(12), F.A.C. CONSULTANT will attach the required documentation necessary for this part to the permit renewal application.
- Part 14 - A history and description of any enforcement actions by the applicant described in Chapter 62-701.320(3), F.A.C. relating to solid waste management facilities in Florida. CONSULTANT will prepare a narrative of the history and description the enforcement actions by the applicant.

Under this subtask, CONSULTANT will participate in a teleconference pre-application meeting with FDEP.

Subtask 1.2 – C&D Debris Landfill Permit Renewal Water Quality Monitoring and Reporting

CONSULTANT will perform the field testing, sample collection, and water-level measurements from the 10 C&D debris landfill groundwater monitor wells and background well MW-15, which will be performed in April 2017 (5 years after the previous renewal sampling event) in accordance with 62-701.730(8)(d), F.A.C. CONSULTANT will contract with Ideal Tech Services Inc. (ITS) to perform the groundwater sampling. The samples will be analyzed for the Permit Renewal Ground Water Monitoring Parameters in accordance with Paragraph 10 of the current Monitoring Plan Implementation Schedule, which was revised on March 7, 2011.

ENCO will perform the laboratory analysis under COUNTY's contract. The laboratory analytical reports will be submitted to FDEP as soon as possible after receipt of analytical reports. CONSULTANT will assist COUNTY in coordinating the analytical testing activities with ENCO, notify FDEP prior to sampling as required by the MPIS, review the analytical test results, and submit them as an attachment to the permit renewal application.

Subtask 1.3 – Submit Permit Renewal Application

The following will be produced and submitted:

- CONSULTANT will provide one draft copy of the landfill operations permit renewal application for COUNTY to review.
- CONSULTANT will meet with COUNTY to review and discuss the comments on the draft permit renewal application.
- CONSULTANT will prepare the final permit renewal application based on the comments obtained from COUNTY and submit the completed permit application and supporting documents to FDEP. CONSULTANT will submit four copies of the completed permit application to FDEP.
- CONSULTANT will provide two copies of the permit application to COUNTY.
- If requested by FDEP, CONSULTANT will provide supplemental information in order to complete the application. Field work is not included.

ASSUMPTIONS

- COUNTY will be responsible for permit application fees.
- There have been no changes to the current Operations or Closure Plans.
- Provisions for mining of the C&D debris landfill and processing will be added to the Operations Plan.
- The proposed mining and processing operations can be performed without additional permitting (i.e. Processing Facility Permit).
- If FDEP determines that the proposed mining and processing operations will require additional permitting, an Amendment to this Work Order, or a separate Work Order, will be required.
- No additional survey of the C&D debris landfill will be required.
- No additional geotechnical or hydrogeological investigations will be required for C&D debris landfill permitting.

- This Work Order does not include any meetings with FDEP except the pre-application telephone conference.
- Laboratory analysis for permit renewal will be performed by COUNTY's contract laboratory.

DATA OR ASSISTANCE TO BE PROVIDED BY COUNTY

- Existing data available on construction of the existing groundwater monitor wells.
- A complete copy of the previous biennial report.
- Relevant correspondence and documentation regarding operation of the C&D debris landfill during the last permit cycle.
- Relevant correspondence and documentation regarding compliance with the applicable rules and regulations.
- Available site surveys.
- Available record information.
- Laboratory analytical reports and direct access to laboratory personnel.
- Application fee.

PROJECT SCHEDULE

The following project schedule has been developed based on receiving authorization on before March 21, 2017.

Task 1: CONSULTANT will participate in a pre-application telephone conference as soon as possible after receiving authorization. CONSULTANT will provide a draft copy of the permit renewal application for COUNTY to review by May 1, 2017. Permit renewal sampling will be completed by May 1, 2017. CONSULTANT will meet with COUNTY by May 10, 2017 to review and discuss the comments on the draft permit renewal application. The final permit renewal application will be submitted to FDEP by May 17, 2017.

PAYMENT AND COMPENSATION

Compensation for this Work Order as described herein shall be made on the basis of a lump sum fee. The lump sum fee for Tasks 1 through 2, inclusive, is \$30,420 as shown in **Exhibit B**. CONSULTANT will invoice COUNTY on a monthly basis based on percent complete. For invoice purposes only, the value of each task is as shown in the **Table 1**.

Table 1

TASK VALUE FOR INVOICE PURPOSE		
TASK	DESCRIPTION	VALUE
1	C&D Debris Landfill Operations Permit Renewal	\$30,420
TOTAL LUMP SUM		\$30,420

EXHIBIT B

PROJECT BUDGET

**INDIAN RIVER COUNTY SOLID WASTE DISPOSAL DISTRICT
C&D DEBRIS LANDFILL PERMIT RENEWAL**

CCNA-2014 WO NO. 10

PROJECT: IRC SWDD C&D Debris Landfill Permit Renewal

PROJECT DESCRIPTION: C&D Debris Landfill Permit Renewal

CONTRACT REFERENCE: Agreement between the Indian River County Board of County Commissioners and CDM Smith Inc.

<u>Labor Category</u>	<u>Hours</u>	<u>Rate</u>	<u>Total</u>
Sr. Officer	4	\$220	\$880
Associate	4	\$200	\$800
Principal	20	\$195	\$3,900
Senior Professional	50	\$165	\$8,250
Professional II	60	\$130	\$7,800
Senior Support	10	\$120	\$1,200
Staff Support	26	\$85	\$2,210
Project Administration	<u>28</u>	\$85	\$2,380
Total Hours	202		
Total Salary Cost			\$27,240
Outside Professional Services (Well Sampler)			\$2,000
Other Direct Costs			<u>\$1,000</u>
TOTAL LUMP SUM FEE			<u>\$30,420</u>

For the basic services under this Agreement, COUNTY agrees to pay CONSULTANT a lump sum fee \$30,420. Partial payments will be made on a monthly basis in accordance with the referenced contract.

