

**8****AGENDA ITEM  
ST. JOHNS COUNTY BOARD OF COUNTY COMMISSIONERS***Deadline for Submission - Wednesday 9 a.m. – Thirteen Days Prior to BCC Meeting***3/2/2021****BCC MEETING DATE****TO: Hunter S. Conrad, County Administrator****DATE: February 5, 2021****FROM: Jaime Locklear, Asst Director of Purchasing & Contracts** **PHONE: 904 209-0158****SUBJECT OR TITLE: RFQ 21-25; Engineering and Environmental Services for SJC Solid Waste Division****AGENDA TYPE: Bid Award, Consent Agenda, Contract, Resolution****BACKGROUND INFORMATION:**

SJC Purchasing issued a Request for Qualifications from interested and qualified firms to provide professional engineering services necessary to perform engineering and environmental services for the SJC Solid Waste Division. The RFQ was advertised on November 20, 2020 in accordance with the County Purchasing Policy. Six (6) submittals were received on November 5, 2020 and forwarded to the Evaluation Committee for review and scoring. A public evaluation meeting was held on December 17, 2020 to record committee members' scores and short-list the respondents. The short-listed firms were interviewed by the Evaluation Committee and CDM Smith Inc. was identified as the number one ranked firm based upon qualifications and the subsequent interviews. Staff recommends Board approval to enter into negotiations with CDM Smith Inc. as the top ranked firm, and upon successful negotiations, executing a contract in substantially the same form and format as attached, for the performance of the required services. In the event an agreement cannot be reached with the top ranked firm, the County Administrator, or designee, is authorized to cease negotiations and enter in negotiations with the next successively ranked respondent(s) until an agreement is reached, or it is determined it is not in the best interest of the County to continue negotiations.

**1. IS FUNDING REQUIRED?** Yes**2. IF YES, INDICATE IF BUDGETED.** Yes**IF FUNDING IS REQUIRED, MANDATORY OMB REVIEW IS REQUIRED:****INDICATE FUNDING SOURCE:** Solid Waste Postclosure Care - Contractual Services [4399-53120] and Landfill Operations - Consulting Services [4401-53150]**SUGGESTED MOTION/RECOMMENDATION/ACTION:**

Motion to adopt Resolution 2021-\_\_\_\_\_, authorizing the County Administrator, or designee, to enter into negotiations with CDM Smith Inc. as the top ranked firm under RFQ 21-25; Engineering and Environmental Services for SJC Solid Waste Division, and upon successful negotiations, to award and execute a contract in substantially the same form and format as attached for completion of the work, or to conduct negotiations with the next successively ranked firms as required until an agreement to complete the work is reached.

**For Administration Use Only:****Legal: RL 2/16/2021****OMB: WS 2/16/2021****Admin: Brad Bradley 2/18/2021**

RESOLUTION NO. 2021 - \_\_\_\_\_

**A RESOLUTION BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, AUTHORIZING THE COUNTY ADMINISTRATOR, OR DESIGNEE, TO ENTER INTO NEGOTIATIONS AND UPON SUCCESSFUL NEGOTIATIONS, AWARD AND EXECUTE A CONTRACT WITH CDM SMITH INC FOR RFQ NO. 21-25 FOR ENGINEERING AND ENVIRONMENTAL SERVICES FOR SJC SOLID WASTE DIVISION.**

**RECITALS**

**WHEREAS**, the SJC Solid Waste Division has a continued need for ongoing and as needed engineering and environmental services in accordance with the scope of services provided in RFQ No: 21-25;

**WHEREAS**, through the County's formal RFQ process, CDM Smith, Inc was determined to be the highest ranked firms after evaluation of qualification packages and subsequent interviews of shortlisted firms; and

**WHEREAS**, the County finds that entering into contract with CDM Smith Inc. to provide engineering and environmental services for SJC Solid Waste Division serves a public purpose, and will review the terms, provisions, conditions, and requirements of the negotiated contract; and

**WHEREAS**, the contract will be finalized after negotiations, but will be in substantially the same form and format as the attached.

**NOW, THEREFORE BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA**, as follows:

Section 1. The above Recitals are incorporated by reference into the body of this Resolution and such Recitals are adopted as finds of fact.

Section 2. The County Administrator, or designee, is hereby authorized to enter into negotiations with CDM Smith Inc. to come to agreement over terms and conditions of an agreement.

Section 3. Upon successful negotiations, the County Administrator, or designee, is further authorized to award and execute a contract on behalf of the County with CDM Smith Inc. to provide the services as provided in RFQ No. 21-25, and as negotiated.

Section 4. To the extent that there are typographical and/or administrative errors that do not change the tone, tenor, or concept of this Resolution, then this Resolution may be revised without subsequent approval by the Board of County Commissioners.

**PASSED AND ADOPTED** by the Board of County Commissioners of St. Johns County, Florida, this \_\_\_\_ day of \_\_\_\_\_, 2021.

**BOARD OF COUNTY COMMISSIONERS OF  
ST. JOHNS COUNTY, FLORIDA**

By: \_\_\_\_\_  
Jeremiah R. Blocker, Chair

**ATTEST:** Brandon J. Patty,  
Clerk of the Circuit Court & Comptroller

By: \_\_\_\_\_  
Deputy Clerk



**CONTRACT AGREEMENT**  
**RFQ NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES**  
**FOR SJC SOLID WASTE DIVISION**  
**Master Contract #: \_\_\_\_\_**

This Contract Agreement (Agreement) is made as of this \_\_\_\_\_ day of \_\_\_\_\_, 2021, between **St. Johns County, FL** (“County”), a political subdivision of the state of Florida, whose principal offices are located at 500 San Sebastian View, St. Augustine, FL 32084, and **CDM Smith Inc.** (“Consultant”), authorized to do business in the state of Florida, with mailing address: 4651 Salisbury Road, Jacksonville, FL 32256; Phone: 904-527-6703; Fax: 904-281-0968; Email: woodsh@cdmsmith.com.

In consideration of the mutual promises contained herein, the County and the Consultant agree as follows:

**ARTICLE 1 – DURATION AND RENEWAL**

This Agreement shall become effective upon the date of execution by all parties, shall be in effect for an initial contract term of three (3) calendar years, and may be renewed for up to two (2) one (1) year renewal periods. This Agreement may be renewed, upon satisfactory performance by the Consultant, mutual agreement by both parties, and the availability of funds. While this Agreement may be renewed as stated in this Article, it is expressly noted that the County is under no obligation to renew this Agreement. It is further expressly understood that the option of renewal is exercisable only by the County, and only upon the County’s determination that the Consultant satisfactorily performed the Services specified in the Contract Documents.

**ARTICLE 2 - ENUMERATION OF CONTRACT DOCUMENTS**

The term “Contract Documents” includes the following:

- This Agreement, including any amendment executed as provided in Article 29;
- St. Johns County Request for Qualifications No. 21-25 and all issued Addenda (Exhibit A);
- Consultant’s Rate Sheet (Exhibit B);
- Any task order, or any amendment of a task order, issued as provided in Article 4 of this Agreement; and
- Any Certificate of Insurance required pursuant to Article 12 of this Agreement.

Any document not identified above is not a Contract Document and does not form part of this Agreement. In interpreting the Contract and resolving any inconsistencies or ambiguities, the main body of this Agreement takes precedence over any of the Exhibits provided above.

**ARTICLE 3 - SERVICES**

The Consultant’s responsibility under this Agreement is to provide all labor, materials, and equipment necessary to perform the Scope of Work set forth in Part III A of St. Johns County Request for Qualifications No: 21-25.

Services provided by the Consultant shall be under the general direction of the St. Johns County Department requesting services, or the St. Johns County Purchasing Department, who shall act as the County’s representative during the performance of services under this Agreement.

The Consultant shall provide and perform all services pursuant to this Agreement in accordance with generally accepted standards of professional practice and in accordance with applicable federal, state, and local laws and regulations.

The Consultant shall be responsible for the professional quality, technical adequacy and accuracy, timely completion, and the coordination of all data, studies, reports, memoranda, other documents and other services, work, and materials performed, provided, or furnished by the Consultant. The Consultant shall, without additional compensation, correct or revise any errors, omissions, or other deficiencies in such data, studies, and other services, work, and materials resulting from the negligent acts, errors, omissions, or intentional misconduct of the Consultant.

Review, approval, or acceptance by the County of data, studies, reports, memoranda, and incidental professional services, work, and materials furnished by the Consultant under this Agreement shall not relieve the Consultant of responsibility for

the adequacy, completeness, and accuracy of its services, work, and materials. Neither the County's review, approval, or acceptance of, nor payment for, any part of the Consultant's services, work, and materials shall be construed to operate as a waiver of any of the County's rights under this Agreement, or any cause of action it may have arising out of the performance of this Agreement.

#### **ARTICLE 4 – TASK ORDERS**

The Consultant shall not perform any services under this Agreement until a task order for such services has been executed by the Consultant's authorized representative and the County Administrator, or his authorized designee, in accordance with County Purchasing Policy. All task orders under this Agreement shall be issued on a form provided by the County. The task order shall set forth a description and summary of the services to be performed, the total compensation for satisfactory completion of the work to be performed, and the estimated time for completion of the services. Any amendment to an executed task order shall be in writing and shall be executed by the County Administrator or his authorized designee.

#### **ARTICLE 5 – COMPENSATION/BILLING/INVOICES**

- A.** Compensation for services under this Agreement is contingent upon the execution of a task order as provided in Article 4 prior to the provision of the services by the Consultant.
- B.** Compensation for each Task Order shall be based on the method of payment as stated in each Task Order. The Consultant shall submit a cost proposal and scope for each project, in the format, as requested by the County. Compensation for all task orders issued under this Agreement shall either be on a lump sum basis or a not-to-exceed amount accompanied by a project estimate based on the hourly rates provided in Exhibit B. No modification, amendment, or alteration to Exhibit B shall be effective unless provided through an amendment to this Agreement as provided below in Article 29.
- C.** It is expressly understood that Consultant is not entitled to the amount of compensation set forth in any given task order. Rather, Consultant's compensation is based upon Consultant's satisfactory completion and delivery of all work product and deliverables noted in each task order.
- D.** The Consultant shall bill the County for services satisfactorily performed as provided in each task order. Payment by the County shall be made in compliance with the provisions of the Local Government Prompt Payment Act (Section 218.70, Florida Statutes, et seq.).
- E.** Though there is no billing form or format pre-approved by either the County, or the Consultant, invoices submitted by the Consultant shall include a detailed written report of the services accomplished in connection with the Scope of Work. The County may return an invoice from the Consultant, and request additional documentation or information. Under such circumstances, the timeframe for payment will be extended by the time necessary to receive a verified bill/invoice.

#### **ARTICLE 6 – TERMINATION**

- A.** This Agreement may be terminated by the County without cause upon at least thirty (30) calendar days advance written notice to the Consultant of such termination without cause.
- B.** This Agreement may be terminated by the County with cause upon at least fourteen (14) calendar days advanced written notice of such termination with cause. Such written notice shall indicate the exact cause for termination.

#### **ARTICLE 7 – NOTICE OF DEFAULT/RIGHT TO CURE**

- A.** Should the Consultant fail to perform (default) under the terms of this Agreement, then the County shall provide written notice to the Consultant, which such notice shall include a timeframe of no fewer than fifteen (15) calendar days in which to cure the default. Failure to cure the default within the timeframe provided in the notice of default (or any such amount of time as mutually agreed to by the parties in writing), shall constitute cause for termination of this Agreement.
- B.** It is expressly noted that, should the County issue more than one notice of default to the Consultant within any six consecutive months during the term of this Agreement, such action shall constitute cause for termination of this Agreement.

- C. Consistent with other provisions in this Agreement, Consultant shall be paid for services authorized and satisfactorily performed under this Agreement up to the effective date of termination.
- D. Upon receipt of a notice of termination, except as otherwise directed by the County in writing, the Consultant shall:
  1. Stop work on the date to the extent specified.
  2. Terminate and settle all orders and subcontracts relating to the performance of the terminated work.
  3. Transfer all work in process, completed work, and other material related to the terminated work to the County.
  4. Continue and complete all parts of the work that have not been terminated.

**ARTICLE 8 – PERSONNEL**

The Consultant represents that it has, or shall secure at its own expense, all necessary personnel required to perform the services as noted in the Contract Documents. It is expressly understood that such personnel shall not be employees of, or have any contractual relationship with, the County.

All of the services required hereunder shall be performed by the Consultant, or under its supervision. All personnel engaged in performing the services shall be fully qualified and, if required, authorized or permitted under federal, state and local law to perform such services.

Any changes or substitutions in the Consultant's key personnel must be made known to the County's representative and written approval granted by the County before said change or substitution can become effective.

The Consultant warrants that all services shall be performed by skilled and competent personnel to the highest professional standards in the field.

The Consultant shall provide the designated Key Personnel to perform work under this Agreement, as follows:

Name:	Title:	Phone #:	Email:
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**ARTICLE 9 – SUBCONTRACTING**

The County reserves the right to approve the use of any subcontractor, or to reject the selection of a particular subcontractor, and to inspect all facilities of any subcontractors in order to make a determination as to the capability of the subcontractor to perform the work described in the Contract Documents. The Consultant is encouraged to seek minority and women business enterprises for participation in subcontracting opportunities.

If a subcontractor fails to satisfactorily perform in accordance with the Contract Documents, and it is necessary to replace the subcontractor to complete the work in a timely fashion, the Consultant shall promptly do so, subject to approval by the County.

The County reserves the right to disqualify any subcontractor, vendor, or material supplier based upon prior unsatisfactory performance.

**ARTICLE 10 – FEDERAL AND STATE TAX**

In accordance with Local, State, and Federal law, the County is exempt from the payment of Sales and Use Taxes. The County shall execute a tax exemption certificate submitted by the Consultant. The Consultant shall not be exempt from the payment of all applicable taxes in its performance under this Agreement. It is expressly understood by the County and by the Consultant that the Consultant shall not be authorized to use the County's Tax Exemption status in any manner.

The Consultant shall be solely responsible for the payment and accounting of any and all applicable taxes and/or withholdings including but not limited to Social Security payroll taxes (FICA), associated with or stemming from Consultant performance under this Agreement.

**ARTICLE 11 – AVAILABILITY OF FUNDS**

The County's obligations under this Agreement are subject to the availability of lawfully appropriated County funds. While the County will make all reasonable efforts, in order to provide funds needed to perform under this Agreement, the

County makes no express commitment to provide such funds in any given County Fiscal Year. Moreover, it is expressly noted that the Consultant cannot demand that the County provide any such funds in any given County Fiscal Year.

## **ARTICLE 12 - INSURANCE**

The Consultant shall not commence work under this Agreement until it has obtained all insurance required under this section and such insurance has been approved by the County. All insurance policies shall be issued by companies authorized to do business under the laws of the state of Florida. The Consultant shall furnish proof of insurance to the County prior to the commencement of operations. The Certificate(s) shall clearly indicate the Consultant has obtained insurance of the type, amount, and classification as required by contract and that no material change or cancellation of the insurance shall be effective without thirty (30) days prior written notice to the County. Certificates shall specifically include the County as Additional Insured for all lines of coverage except Workers' Compensation and Professional Liability. A copy of the endorsement must accompany the certificate. Compliance with the foregoing requirements shall not relieve the Consultant of its liability and obligations under this Agreement.

Certificate Holder Address: St. Johns County, a political subdivision of the State of Florida  
500 San Sebastian View  
St. Augustine, FL 32084

The Consultant shall maintain during the life of this Agreement, Comprehensive General Liability Insurance with minimum limits of \$1,000,000 per occurrence, \$2,000,000 aggregate, to protect the Consultant from claims for damages for bodily injury, including wrongful death, as well as from claims of property damages which may arise from any operations under this contract, whether such operations be by the Consultant or by anyone directly employed by or contracting with the Consultant.

The Consultant shall maintain Umbrella or Excess Liability Insurance covering workers compensation, commercial general liability and business auto liability with minimum limits of liability of \$1,000,000.

The Consultant shall maintain during the life of the Agreement, Professional Liability or Errors and Omissions Insurance with minimum limits of \$1,000,000, if applicable.

The Consultant shall maintain during the life of this Agreement, Comprehensive Automobile Liability Insurance with minimum limits of \$2,000,000 combined single limit for bodily injury and property damage liability to protect the Consultant from claims for damages for bodily injury, including the ownership, use, or maintenance of owned and non-owned automobiles, including rented/hired automobiles whether such operations be by the Consultant or by anyone directly or indirectly employed by a Consultant.

The Consultant shall maintain during the life of this Agreement, adequate Workers' Compensation Insurance in at least such amounts as required by the law for all of its employees.

In the event of unusual circumstances, the County Administrator, or his designee, may adjust these insurance requirements.

## **ARTICLE 13 - INDEMNIFICATION**

The Consultant shall indemnify and hold harmless the County and its officers and employees from claims, liabilities, damages, losses, and costs, including court costs, expert witness and professional consultation services, and attorneys' fees, arising out of the Consultant's errors, omissions, or negligence. The Consultant shall not be liable to, nor be required to indemnify the County for, any portions of damages arising out of any error, omission, or negligence of the County or its officers and employees.

## **ARTICLE 14 - SUCCESSORS AND ASSIGNS**

The County and the Consultant each binds itself and its partners, successors, executors, administrators and assigns to the other party of this Agreement and to the partners, successors, executors, administrators and assigns of such other party, in respect to all covenants of this Agreement. Except as above, neither the County nor the Consultant shall assign, sublet, convey or transfer its interest in this Agreement without the written consent of the other. Nothing herein shall be construed as creating any personal liability on the part of any officer or agent of the County, which may be a party hereto, nor shall it be construed as giving any rights or benefits hereunder to anyone other than the County and the Consultant.

## **ARTICLE 15 - REMEDIES**

No remedy herein conferred upon any party is intended to be exclusive, or any other remedy, and each and every such remedy shall be cumulative and shall be in addition to every other remedy given hereunder or nor or hereafter existing at law or in equity or by statute or otherwise. No single or partial exercise by any party or any right, power, or remedy hereunder shall preclude any other or further exercise thereof.

In any action brought by either party for the enforcement of the obligations of the other party, the prevailing party shall be entitled to recover reasonable attorney's fees.

## **ARTICLE 16 - CONFLICT OF INTEREST**

The Consultant represents that it presently has no interest and shall acquire no interest, either directly or indirectly, which would conflict in any manner with the performance of services required hereunder. The Consultant further represents that no person having any interest shall be employed for said performance.

The Consultant shall promptly notify the County in writing by certified mail of all potential conflicts of interest for any prospective business association, interest or other circumstance, which may influence or appear to influence the Consultant's judgment or quality of services being provided hereunder. Such written notification shall identify the prospective business association, interest or circumstance, the nature of work that the Consultant may undertake and request an opinion of the County, whether such association, interest, or circumstance constitutes a conflict of interest if entered into by the Consultant.

The County agrees to notify the Consultant of its opinion by certified mail within 30 days of receipt of notification by the Consultant. If, in the opinion of the County, the prospective business association, interest or circumstance would not constitute a conflict of interest by the Consultant, the County shall so state in the notification and the Consultant shall, at his/her option enter into said association, interest or circumstance and it shall be deemed not in conflict of interest with respect to services provided to the County by the Consultant under the terms of this Agreement.

## **ARTICLE 17 – NO THIRD PARTY BENEFICIARIES**

Both the County and the Consultant explicitly agree, and this Agreement explicitly states that no third party beneficiary status or interest is conferred to, or inferred to, any other person or entity.

## **ARTICLE 18 - EXCUSABLE DELAYS**

Neither party shall be held to be in non-compliance with this agreement, or suffer any enforcement or penalty relating to this agreement, where such non-compliance occurs as the result of a force majeure event. For the purposes of this section, a force majeure event is defined as an event beyond the control and without the fault or negligence of the affected party which could not have been prevented through the exercise of reasonable diligence, including natural disaster (including hurricane, flood, or other acts of nature), strike, riot, war, terrorism or threat of terrorism, or other event that is reasonably beyond either party's ability to anticipate or control. When there is an event of force majeure, the affected party shall immediately notify the other party in writing giving the full particulars of the event of force majeure. The affected party must use reasonable efforts to mitigate the effect of the event of force majeure upon its performance under this agreement. Upon completion of the event of force majeure, the affected party shall resume its performance under this agreement as soon as reasonably practicable. If, due to an event of force majeure, the Consultant is unable to complete the scope of services within the term of this agreement, the term of this agreement may be extended for an amount of time not to exceed the length of the event of force majeure.

## **ARTICLE 19 - ARREARS**

The Consultant shall not pledge the County's credit, or make it a guarantor of payment, or surety for any contract, debt, obligation, judgment, lien, or any form of indebtedness. The Consultant further warrants and represents that it has no obligation or indebtedness that would impair its ability to fulfill the terms of this Agreement.

## **ARTICLE 20 - DISCLOSURE AND OWNERSHIP OF DOCUMENTS**

Before being eligible for final payment of any amounts due, the Consultant shall deliver to the County all documents and materials prepared by and for the County under this Agreement.

Consultant shall keep all information not in the public domain or not previously known, and all information and data

obtained, developed, or supplied by the County, or at its expense, confidential. Such information shall not be disclosed to any other party, directly or indirectly, without the County's prior written consent, unless required by a lawful order. All drawings, maps, sketches, and other data developed, or purchased under this Agreement, or at the County's expense, shall be and remains the County's property and may be reproduced and reused at the discretion of the County.

The County and the Consultant shall comply with the provisions of Chapter 119, Florida Statutes (Public Records Law).

All covenants, agreements, representations and warranties made herein, or otherwise made in writing by any party pursuant hereto, including but not limited to, any representations made herein relating to disclosure or ownership of documents, shall survive the execution and delivery of this Agreement and the consummation of the transactions contemplated hereby.

#### **ARTICLE 21 - INDEPENDENT CONSULTANT RELATIONSHIP**

With respect to the Consultant's performance of all work services and activities under this Agreement, the Consultant shall be an independent consultant, and not an employee, agent, or servant of the County. All persons engaged in any of the work or services performed pursuant to this Agreement shall at all times and in all places be subject to the Consultant's sole direction, supervision, and control.

The Consultant shall exercise control over the means and manner in which it and its employees perform the work, and in all respects the Consultant's relationship and the relationship of its employees to the County shall be that of an independent contractor and not as employees or agents of the County. The Consultant does not have the power or authority to bind the County in any promise, agreement or representation other than specifically provided for in this agreement.

#### **ARTICLE 22 - CONTINGENT FEES**

The Consultant warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the Consultant to solicit or secure this Agreement and that it has not paid or agreed to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for the Consultant, any fee, commission, percentage, gift, or any other consideration contingent upon or resulting from the award or making of this Agreement.

#### **ARTICLE 23 - ACCESS AND AUDITS**

The Consultant shall maintain adequate records to justify all charges, expenses, and costs incurred in performing the work for at least three years after completion of this Agreement. The County shall have access to such books, records, and documents as required in this section for the purpose of inspection or audit during normal business hours, at the County's cost, upon five days written notice.

#### **ARTICLE 24 - NONDISCRIMINATION**

The Consultant warrants and represents that all of its employees are treated equally during employment without regard to race, color, religion, physical handicap, sex, age or national origin.

#### **ARTICLE 25 - ENTIRETY OF CONTRACTUAL AGREEMENT**

The County and the Consultant agree that this Agreement, signed by both parties sets forth the entire agreement between the parties, and that there are no promises or understandings other than those stated herein, or are incorporated by reference into this Agreement. None of the provisions, terms, conditions, requirements, or responsibilities noted in this Agreement may be amended, revised, deleted, altered, or otherwise changed, modified, or superseded, except by written instrument, duly executed by authorized representatives of both the County, and the Consultant.

#### **ARTICLE 26 - ENFORCEMENT COSTS**

If any legal action or other proceeding is brought for the enforcement of this Agreement, or because of an alleged dispute, breach, default or misrepresentation in connection with any provisions of this Agreement, the successful or prevailing party or parties shall be entitled to recover reasonable attorney's fees, court costs and all reasonable expenses even if not taxable as court costs (including, without limitation, all such reasonable fees, costs and expenses incident to appeals), incurred in that action or proceedings, in addition to any other relief to which such party or parties may be entitled.



## **ARTICLE 27 - AUTHORITY TO PRACTICE**

The Consultant hereby represents and warrants that it has and shall continue to maintain all licenses and approvals required to conduct its business and that it shall conduct its business activities in a reputable manner at all times.

## **ARTICLE 28 - SEVERABILITY**

If any term or provision of this Agreement, or the application thereof to any person or circumstances shall, to any extent, be held invalid or unenforceable, the remainder of this Agreement, or the application of such items or provision, to persons or circumstances other than those as to which it is held invalid or unenforceable, shall not be affected and every other term and provision of this Agreement shall be deemed valid and enforceable to the extent permitted by law.

## **ARTICLE 29 - AMENDMENTS AND MODIFICATIONS**

No amendments or modifications of this Agreement shall be valid unless in writing and signed by each of the parties.

The County reserves the right to make changes in the work, including alterations, reductions therein or additions thereto. Upon receipt by the Consultant of the County's notification of a contemplated change, the Consultant shall: (1) if requested by the County, provide an estimate for the increase or decrease in cost due to the contemplated change; (2) notify the County of any estimated change in the completion date; and (3) advise the County in writing if the contemplated change shall effect the Consultant's ability to meet the completion dates or schedules of this Agreement. If the County instructs in writing, the Consultant shall suspend work on that portion of the project, pending the County's decision to proceed with the change. If the County elects to make the change, the County shall issue an amended task order as provided in Article 4. The Consultant shall not commence work on any such change until such amended task order has been issued and signed by each of the parties.

## **ARTICLE 30 - FLORIDA LAW & VENUE**

This Agreement shall be governed by the laws of the State of Florida. Any and all legal action necessary to enforce the Agreement shall be held in St. Johns County, Florida.

## **ARTICLE 31 - ARBITRATION**

The County shall not be obligated to arbitrate or permit any arbitration binding on the County under any of the Contract Documents or in connection with the project in any manner whatsoever.

## **ARTICLE 32 - NOTICES**

All notices required in this Agreement shall be sent by certified mail, return receipt requested, and if sent to the County shall be mailed to:

St. Johns County Purchasing Department  
**Attn: Leigh A. Daniels, CPPB, Purchasing Manager**  
500 San Sebastian View  
St. Augustine, FL 32084

and if sent to the Consultant shall be mailed to:

CDM Smith Inc.  
**Attn: Mr. Shayne Wood, PE, BCEE, Vice President**  
4651 Salisbury Road, Suite 420  
Jacksonville, FL 32256

## **ARTICLE 33 - HEADINGS**

The heading preceding the articles and sections herein are solely for convenience of reference and shall not constitute a part of this Agreement, or affect its meaning, construction or effect.

## **ARTICLE 34 –PUBLIC RECORDS**

A. The cost of reproduction, access to, disclosure, non-disclosure, or exemption of records, data, documents, and/or materials, associated with this Agreement shall be subject to the applicable provisions of the Florida Public Records Law (Chapter 119, Florida Statutes), and other applicable State and Federal provisions. Access to such public

records, may not be blocked, thwarted, and/or hindered by placing the public records in the possession of a third party, or an unaffiliated party.

- B. In accordance with Florida law, to the extent that Consultant's performance under this Contract constitutes an act on behalf of the County, Consultant shall comply with all requirements of Florida's public records law. Specifically, if Consultant is expressly authorized, and acts on behalf of the County under this Agreement, Consultant shall:
- (1) Keep and maintain public records that ordinarily and necessarily would be required by the County in order to perform the Services;
  - (2) Upon request from the County's custodian of public records, provide the County with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost as provided in Chapter 119, Florida Statutes, or as otherwise provided by law;
  - (3) Ensure that public records related to this Agreement that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by applicable law for the duration of this Agreement and following completion of this Agreement if the Consultant does not transfer the records to the County; and
  - (4) Upon completion of this Agreement, transfer, at no cost, to the County all public records in possession of the Consultant or keep and maintain public records required by the County to perform the Services.
- C. If the Consultant transfers all public records to the County upon completion of this Agreement, the Consultant shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Consultant keeps and maintains public records upon completion of this Agreement, the Consultant shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the County, upon request from the County's custodian of public records, in a format that is compatible with the County's information technology systems.
- D. Failure by the Consultant to comply with the requirements of this section shall be grounds for immediate, unilateral termination of this Agreement by the County.

**IF THE CONSULTANT HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO ITS DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT: OCA, ATTN: Public Records Manager, 500 San Sebastian View, St. Augustine, FL 32084, PH: (904) 209-0805, EMAIL: [publicrecords@sjcfl.us](mailto:publicrecords@sjcfl.us).**

#### **ARTICLE 35 – REVIEW OF RECORDS**

As a condition of entering into the Agreement, and to ensure compliance, especially as it relates to any applicable law, rule, or regulation, the Consultant authorizes the County, the FEMA Administrator, the Comptroller General of the United States, or any of their authorized representatives to examine, review, inspect, and/or audit the books and records, in order to determine whether compliance has been achieved with respect to the terms, conditions, provisions, rights, and responsibilities noted in the Agreement. The Consultant agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed. The Consultant agrees to provide the FEMA Administrator or his authorized representatives access to construction or other work sites pertaining to the work being completed under the contract. It is specifically noted that Consultant is under no duty to provide access to documentation not related to the Agreement, and/or otherwise protected by County, State, or Federal law.

#### **ARTICLE 36 – USE OF COUNTY LOGO**

Pursuant to, and consistent with, County Ordinance 92-2 and County Administrative Policy 101.3, the Consultant may not manufacture, use, display, or otherwise use any facsimile or reproduction of the County Seal/Logo without express written approval of the Board of County Commissioners of St. Johns County, Florida.

**ARTICLE 37 – SURVIVAL**

It is explicitly noted that the following provisions of this Agreement, to the extent necessary, shall survive any suspension, termination, cancellation, revocation, and/or non-renewal of this Agreement, and therefore shall be both applicable and enforceable beyond any suspension, termination, cancellation, revocation, and/or non-renewal: (1) Federal and State Taxes; (2) Insurance; (3) Indemnification; (4) Access and Audits; (5) Enforcement Costs; and (6) Access to Records.

**ARTICLE 38 – INCORPORATION OF FEMA REQUIRED CONTRACT CLAUSES**

The Consultant’s performance under this Agreement shall be subject to the FEMA Required Contract Clauses attached as Exhibit C hereto, the contents of which are incorporated herein.

IN WITNESS WHEREOF, authorized representatives of the County, and Consultant have executed this Agreement on the day and year below noted.

-----

**ST. JOHNS COUNTY, FL:**

**CONSULTANT:**

Leigh A. Daniels, CPPB  
Printed Name of County Representative

CDM Smith Inc.  
Company Name

\_\_\_\_\_  
Signature County Representative

\_\_\_\_\_  
Signature of Consultant Representative

Purchasing Manager  
Title of County Representative

\_\_\_\_\_  
Printed Name & Title

\_\_\_\_\_  
Date of Execution

\_\_\_\_\_  
Date of Execution

**ATTEST:  
ST. JOHNS COUNTY, FL  
CLERK OF THE CIRCUIT COURT & COMPTROLLER**

\_\_\_\_\_  
Deputy Clerk

\_\_\_\_\_  
Date

**LEGALLY SUFFICIENT:**

\_\_\_\_\_  
Deputy County Attorney

\_\_\_\_\_  
Date of Execution

**RFQ NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES FOR SJC SOLID WASTE DIVISION  
EXHIBIT "A"**

Request for Proposals & Issued Addenda  
(separate attachment)

**RFQ NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES FOR SJC SOLID WASTE DIVISION**  
**EXHIBIT "B"**  
**Consultant's Rate Sheet**

The rates provided herein shall be the basis for all compensation under this Agreement. The Consultant may request increases to these rates on an annual basis, in accordance with the most current Consumer Price Index (CPI) percentage. Requests for changes to the pricing must be submitted to the Purchasing Manager no later than sixty (60) days prior to the anniversary date of the Agreement for review. If approved, changes to the rates shall be authorized through a Contract Amendment, and signed by both parties.



## St. Johns County Board of County Commissioners

Purchasing Division

### NOTICE OF INTENT TO AWARD

February 5, 2021

**RE:** RFQ 21-25; Engineering and Environmental Services for SJC Solid Waste Division

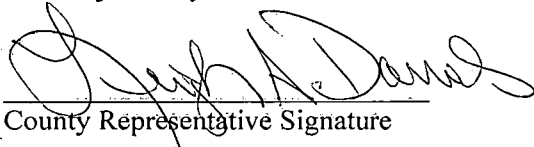
Please be advised that the Purchasing Department of St. Johns County is issuing this notice of its Intent to Award a contract, after successful negotiations, to CDM Smith Inc. as the top ranked firm under RFQ 21-25; Engineering and Environmental Services for SJC Solid Waste Division. This notice will remain posted until 1:00 PM, Wednesday, February 10, 2021.

Any person (including any bidder or proposer) who is, or claims to be, adversely affected by the County's decision or proposed decision shall file a written Notice of Protest with the Purchasing Department of St. Johns County within 72 hours after the posting of the notice of decision or proposed decision. Failure to file a Notice of Protest within the time prescribed in Section 304.10 of the St. Johns County Purchasing Manual (the Bid Protest Procedure), or failure to post the bond or other security required by the County within the time allowed for filing a bond, shall constitute a waiver of proceedings and a waiver of the right to protest. The protest procedures may be obtained from the Purchasing Department and are included in the County's Purchasing Manual. All of the terms and conditions of the County Purchasing Manual are incorporated herein by reference and are fully binding.

Should the Purchasing Department receive no protests in response to this notice, an agenda item will be submitted to the St. Johns County Board of County Commissioners for their consideration and subsequent approval to award a contract.

Please forward all correspondence, requests or inquiries directly to Diana M. Fye, AS, CPPB, Procurement Coordinator at [dfye@sjcfl.us](mailto:dfye@sjcfl.us).

Sincerely,  
**St. Johns County**  
**Board of County Commissioners**

  
County Representative Signature

Date: 2/5/21

Leigh A. Daniels, CPPB  
Purchasing Manager  
(904) 209-0154 – Direct  
(904) 209-0155 – Fax  
[ldaniels@sjcfl.us](mailto:ldaniels@sjcfl.us)



**ST. JOHNS COUNTY  
PURCHASING DEPARTMENT**

500 San Sebastian View  
St. Augustine, Florida 32084

---

**I N T E R O F F I C E M E M O R A N D U M**

---

**TO:** Wendy Hicks, Solid Waste Manager  
**FROM:** Diana M. Fye, AS, CPPB, Procurement Coordinator  
**SUBJECT:** RFQ # 21-25; Engineering and Environmental Services for SJC Solid Waste Division  
**DATE:** January 28, 2021

Attached please find a copy of the RFQ Interview Ranking (Final Ranking) Sheet for your file as recorded and verified at the Evaluation Committee Meeting and subsequent Interview with the top three ranked firms.

Please review, evaluate and make a written recommendation for this project. Also, indicate the budgeted amount for this item along with the appropriate charge code and return to my attention as soon as possible. Purchasing will prepare the agenda item and contract.

Please let me know if I can assist your department in any other way.

Dept. Approval Wendy Hicks  
Date 2-1-21  
Budget Amount \$13,000.00  
Account Funding Title Contractual Services  
Funding Charge Code 4399.53120 / 4401.53150  
Award to Com Smith, Inc  
Award Amount \_\_\_\_\_

INTERVIEW RANKING SHEET

ST. JOHNS COUNTY, FLORIDA

DATE: January 28, 2021  
 PROJECT: RFQ 21-25; Engineering and Environmental Services for SJC Solid Waste Division

FIRM	RATER Christy Stewart	RATER Brian Kelsay	RATER Jason Sparks	RATER Wade Schroeder	RATER Ashley Mickler	AVERAGED RANK	FINAL RANK	COMMENTS
Geosyntec Consultants, Inc.	1.0	3.0	3.0	1.0	1.0	1.8	2	
CDM Smith Inc.	2.0	1.0	1.0	2.0	2.0	1.6	1	
Jones Edmunds & Associates, Inc.	3.0	2.0	2.0	3.0	3.0	2.6	3	

APPROVED: By signing below, both parties have reviewed and approve this evaluation summary of the responses submitted for this RFQ.

Purchasing Manager:

  
 Leigh A. Daniels, CPPB

Date:

2/5/21

Solid Waste Division Manager:

  
 Wendy Hicks

Date:

2-1-21

**NOTE:**

THE RANKING SHOWN ABOVE SHALL BE FOLLOWED UNLESS SPECIAL CONDITIONS MERIT A CHANGE IN THE NEGOTIATING ORDER, IN THIS CASE, THE SPECIAL CONDITIONS MUST BE EXPLAINED IN DETAIL IN THE COMMENTS SECTION OR ATTACHED TO THIS EVALUATION SUMMARY SHEET.

POSTING TIME/DATE FROM ~~12:00~~ <sup>1:00</sup> P.M. FEBRUARY ~~5~~ <sup>5</sup>, 2021 UNTIL ~~12:00~~ <sup>1:00</sup> P.M. FEBRUARY ~~10~~ <sup>10</sup>, 2021.

ANY RESPONDENT ADVERSELY AFFECTED BY AN INTENDED DECISION WITH RESPECT TO THE AWARD OF ANY SOLICITATION, SHALL FILE WITH THE ST. JOHNS COUNTY PURCHASING DEPARTMENT A WRITTEN NOTICE OF INTENT TO FILE A PROTEST NOT LATER THAN SEVENTY-TWO (72) HOURS (EXCLUDING SATURDAY, SUNDAY AND LEGAL HOLIDAYS) AFTER THE POSTING OF THE NOTICE OF INTENT TO AWARD, PROTEST PROCEDURES PROCEDURES MAY BE OBTAINED FROM THE PURCHASING DEPARTMENT.



EVALUATION SUMMARY SHEET

ST. JOHNS COUNTY, FLORIDA

Date: January 7, 2021  
RFQ: 21-25; Engineering Services for  
SJC Solid Waste Division

FIRM	RATER Christy Stewart	RATER Brian Kelsay	RATER Jason Sparks	RATER Wade Schroeder	RATER Ashley Mickler	TOTAL	RANK	COMMENTS
CDM Smith Inc.	95	99	98	92	96	480	2	
Construct-EPC LLC	70	83	25	58	78	314	6	
Geosyntec Consultants Inc.	97	100	92	95	97	481	1	
Jones Edmunds & Associates, Inc.	93	99	98	90	92	472	3	
Locklear & Associates, Inc.	84	98	49	88	82	401	5	
S2L, Incorporated	85	98	56	89	84	412	4	

APPROVED: Purchasing Manager: *Leigh A. Daniels* Date: 1/13/21  
 Leigh A. Daniels, CRPB  
 Solid Waste Manager: *Wendy Hicks* Date: 1-11-21  
 Wendy Hicks

NOTE:  
THE RANKING SHOWN ABOVE MUST BE FOLLOWED UNLESS SPECIAL CONDITIONS MERIT A CHANGE IN THE NEGOTIATING ORDER, IN THIS CASE, THE SPECIAL CONDITIONS MUST BE EXPLAINED IN DETAIL IN THE COMMENTS SECTION OR ATTACHED TO THIS RANKING SHEET.

POSTING TIME/DATE FROM ~~12:00 PM~~ <sup>9:00 AM</sup> JANUARY ~~14~~ <sup>14</sup>, 2021, UNTIL ~~12:00 PM~~ <sup>9:00 AM</sup> JANUARY ~~20~~ <sup>20</sup>, 2021.

ANY RESPONDENT AFFECTED ADVERSELY BY AN INTENDED DECISION WITH RESPECT TO THE AWARD OF ANY REQUEST FOR PROPOSAL, SHALL FILE WITH THE PURCHASING DEPARTMENT FOR ST. JOHNS, A WRITTEN NOTICE OF INTENT TO FILE A PROTEST NOT LATER THAN SEVENTY-TWO (72) HOURS (EXCLUDING SATURDAY, SUNDAY AND LEGAL HOLIDAYS) AFTER THE POSTING OF THE SUMMARY SHEET. PROTEST PROCEDURES MAY BE OBTAINED IN THE PURCHASING DEPARTMENT.

# ST. JOHNS COUNTY



Requests for Qualifications

## Engineering and Environmental Services for SJC Solid Waste Division

(RFQ) NO: 21-25

December 2020

**CDM  
Smith**



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# Section 1 RFQ Cover Page

# SECTION 1: RFQ Cover Page

RFQ NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES FOR SJC SOLID WASTE DIVISION

**PART VII: – ATTACHMENTS/FORMS**

**REQUEST FOR QUALIFICATIONS (RFQ) NO: 21-25  
ENGINEERING AND ENVIRONMENTAL SERVICES FOR SJC SOLID WASTE DIVISION**

**COVER PAGE**

**SUBMIT ONE (1) HARD-COPY ORIGINAL PROPOSAL, AND  
ONE (1) EXACT ELECTRONIC PDF COPY OF THE SUBMITTED PROPOSAL ON USB DRIVE  
IN A SEALED ENVELOPE OR CONTAINER TO:**

PURCHASING DEPARTMENT  
ST. JOHNS COUNTY  
500 SAN SEBASTIAN VIEW  
ST. AUGUSTINE, FLORIDA 32084

**FULL LEGAL NAME OF COMPANY:** CDM Smith Inc.

**MAILING ADDRESS:** 4651 Salisbury Road, Suite 420, Jacksonville, FL 32256

**CONTACT EMAIL ADDRESS:** Shayne Wood, PE, BCEE; Vice President | woodsh@cdmsmith.com

**DATE:** December 17, 2020



# Section 2 Cover Letter



4651 Salisbury Road  
Jacksonville, FL 32256  
tel: +1 (904) 731-7109  
cdmsmith.com

## SECTION 2: Cover Letter

December 17, 2020

St. Johns County Board of County Commissioners  
Attn: SJC Purchasing Department  
500 San Sebastian View  
St. Augustine, FL 32084

RE: RFQ NO. 21-25 REQUEST FOR QUALIFICATIONS ENGINEERING AND ENVIRONMENTAL SERVICES FOR SJC SOLID WASTE DIVISION

The St. Johns County Board of County Commissioners (County) is seeking consultants to provide engineering and environmental services for their Solid Waste Division. The County's Solid Waste Division manages contracts for the collection, transfer, and disposal of municipal solid waste, recycling, and yard waste for residents in its two service areas. Additionally, the County heads outreach programs for residential, commercial, and institutional facilities and maintains compliance for all the County's solid waste facilities.

The solid waste industry has been subject to volatility around fuel prices, recycling commodity prices, and the viability of Municipal Recycling Facilities (MRFs). The County is seeking a qualified consultant to supplement County staff in technical areas (financial analysis, design, compliance monitoring and reporting), provide support for master plan implementation, and provide financial analysis and recommendations for the County to proactively address rapidly changing market conditions. These resources are necessary to allow the County to advance toward meeting state recycling goals, make smart financial decisions to benefit taxpayers, and maintain the level of service County residents have come to expect from this organization.

The County is dedicated to protecting the health and environment of its residents by providing comprehensive services and value to taxpayers. CDM Smith worked side-by-side with the County's Solid Waste Division to develop the current Solid Waste Master Plan. We will apply our institutional knowledge of the County's operations and contracts to continue implementation of Master Plan recommendations. Nelson Engineering, a key member of the proposed team, has served the County for over two decades providing monitoring, compliance, and site civil engineering services at Tillman Ridge Landfill and Transfer Station. Their knowledge of the Tillman Ridge closed landfills Phase 1 and Phase 2 is unparalleled by any other firm

**Legal Company Name:** CDM Smith Inc.

**Primary Contact/ Physical Address:**

Shayne Wood, PE, BCEE; Vice President  
4651 Salisbury Road, Suite 420  
Jacksonville, FL 32256  
T: 904.527.6703; F: 904.281.0968  
E: woodsh@cdmsmith.com

**Company Type:** Corporation

**Names and Titles of Principals:**

*President:* Anthony B. Bouchard  
*Chief Executive Officer:* Timothy B. Wall  
*Executive Vice President(s):*  
Thierry Desmaris, Julia B. Forgas  
*Clerk of the Corporation (Secretary):* Paul T. Milligan

**Company History and Philosophy:**

CDM Smith was established in 1947 and has provided lasting and integrated solutions for 73 years in the water, environmental, transportation, and energy fields to public and private clients throughout Florida and worldwide. As an employee-owned full-service engineering and construction firm, we deliver exceptional client service, quality results, and enduring value across the entire project life cycle. With annual revenues of more than \$1.2 billion, and a multi-disciplinary staff of nearly 5,000 employees working from 128+ offices worldwide, CDM Smith maintains the size, stability, and resources necessary to successfully complete a wide range of projects. Our unwavering focus remains on creating innovative and lasting solutions that improve environmental value, quality of life, and economic prosperity.

**Listen. Think. Deliver.** At CDM Smith, these are the principles by which we do our work, interact with each other and our clients, and live our lives. They guide every one of our decisions to be the best employer and deliver our legendary client service and solutions.







and will assist the County in completing long term care activities and monitoring natural attenuation of the contaminants of interest at the site. Lastly, as a leading member in the American Public Works Association (APWA) and Solid Waste Association of North America (SWANA), our Florida-based team will use our state-wide solid waste expertise and deep bench of professionals (WTE, transfer stations, remediation, landfills, financial analysis, civil design) to provide the County with a full-service consultant who will be responsive to the volatility of the solid waste market and aid the Division's goal to provide exemplary customer service to its residents.

The CDM Smith team is excited to work with the County on this important project. We have received and acknowledge Addendum #1 dated 12/7/20. As the Officer-in-Charge, I am authorized to sign on behalf of CDM Smith and pledge our commitment to provide the leadership and resources necessary to provide high-quality services that exceed your expectations. If you have any questions or need additional information, please contact me at 904-993-568 or [woodsh@cdmsmith.com](mailto:woodsh@cdmsmith.com).

A handwritten signature in blue ink that reads "Shayne Wood".

Shayne Wood, PE, BCEE  
Vice President, Water Resources Engineer | Officer-in-Charge  
CDM Smith Inc.





75 State Street, Suite 701  
Boston, Massachusetts 02109  
tel: 617 452-6000

## CERTIFICATE

I, Paul T. Milligan, Secretary/Clerk of CDM Smith Inc., a Massachusetts corporation, do hereby certify that Shayne Wood holds the position of Vice President, which entitles Mr. Wood to execute and deliver proposals, contracts and agreements for the performance of professional services in the name and on behalf of CDM Smith Inc. with a value of up to \$1 million. Further, Mr. Wood has been delegated the authority to execute and deliver proposals, contracts and agreements for the performance of professional services specifically for Engineering and Environmental Services for SJC Solid Waste Division RFQ No. 21-25 up to \$2 million.

I further certify that the foregoing is consistent with the Contract Signing Authority Policy and with the By-laws of the said corporation.

IN WITNESS WHEREOF, I have executed this certificate and have caused the corporate seal of CDM Smith Inc. to be hereunder affixed on this 14<sup>th</sup> day of December 2020.

Paul T. Milligan- Secretary/Clerk of the Corporation





# Section 3 Company & Staff Qualifications and Resources

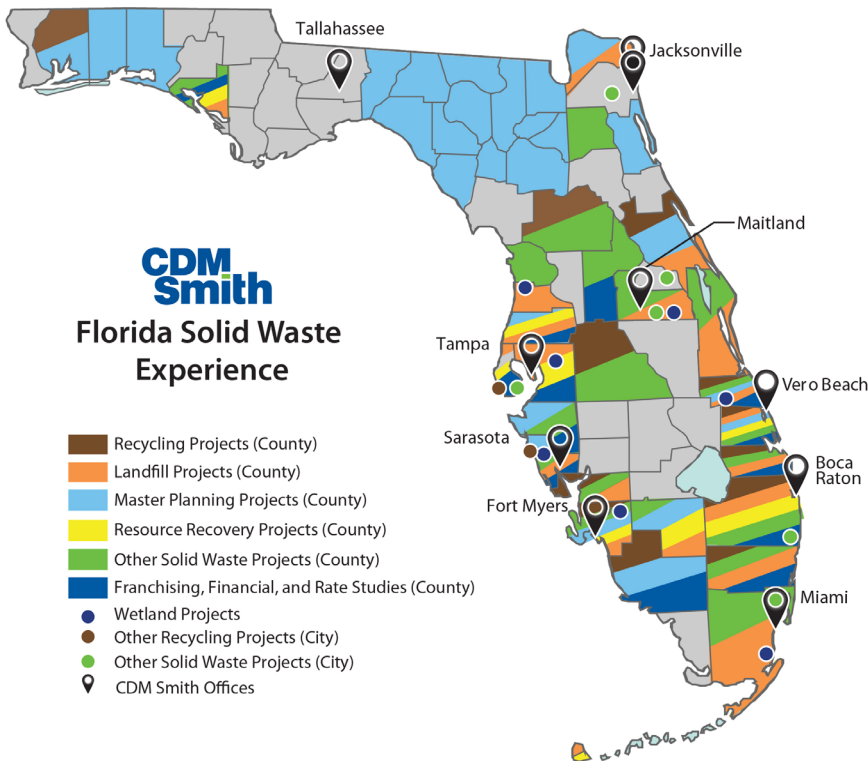
SECTION 3:

# Company & Staff Qualifications and Resources

Our solid waste professionals provide the unique mix of technical, legal, institutional, and financial disciplines needed to effectively serve solid waste clients such as St. John’s County. We are experienced in all aspects of solid waste engineering and have served the waste needs of municipal and industrial clients in Florida for more than 44 years. As a full-service consulting, engineering, construction, and operations firm, we offer in-house expertise in landfill management, waste transfer stations, recycling, composting, and energy recovery. We also excel in landfill closure and redevelopment, converting closed landfills into parks, golf courses, and other community assets, as demonstrated in the map below.



Of all the environmental firms in the country, CDM Smith was ranked 7<sup>th</sup> in solid waste, and of the top 500 Design firms, we were ranked 23<sup>rd</sup> by *Engineering News-Record* 2019.



## Exceeding Minimum Qualifications



- CDM Smith is currently licensed and certified to do business in the State of Florida as a Professional Engineer. Copies of our licenses are on the following page.
- Project Manager Lisa Sterling** is a Professional Engineer currently licensed and certified in the State of Florida with **15 years’ experience** in designing, inspecting, and certifying storm water systems, solid waste master planning, and landfill design.
- Project Manager Lisa Sterling** is a Professional Engineer currently licensed and certified in the State of Florida with **more than 10 years’ experience** in performing financial assurance cost estimates, adjustment, and certifications for solid waste landfills in Florida.

CDM Smith has worked alongside St. Johns County since 2014 and Nelson Engineering, our valued partner in this proposal, has been providing environmental compliance and design support for the County for more than 20 years. Our combined experience on your contract spans the full scope of services listed in the County’s RFQ.

**Licensee Details**

**Licensee Information**

Name: **CDM SMITH INC. (Primary Name)**  
 Main Address: **621 N.W. 53RD ST.  
 STE 265  
 BOCA RATON Florida 33487**  
 County: **PALM BEACH**

License Mailing:

LicenseLocation: **621 N.W. 53RD STREET, SUITE 265  
 BOCA RATON FL 33487**  
 County: **PALM BEACH**

**License Information**

License Type: **Certificate of Authorization**  
 Rank: **Cert of Auth**  
 License Number: **20**  
 Status: **Current**  
 Licensure Date: **05/10/1977**  
 Expires: **02/28/2021**



Department of State / Division of Corporations / Search Records / Detail By Document Number /

**Detail by Entity Name**

Foreign Profit Corporation  
 CDM SMITH INC.  
**Filing Information**  
**Document Number** 832235  
**FEI/EIN Number** 04-2473650  
**Date Filed** 04/23/1974  
**State** MA  
**Status** ACTIVE  
**Last Event** NAME CHANGE AMENDMENT  
**Event Date Filed** 12/15/2011  
**Event Effective Date** NONE

**Principal Address**  
 75 State Street  
 #701  
 Boston, MA 02109

Changed: 04/13/2015

**Mailing Address**  
 75 State Street  
 #701  
 Boston, MA 02109

Changed: 04/13/2015

**Registered Agent Name & Address**  
 C T CORPORATION SYSTEM  
 1200 S PINE ISLAND RD  
 PLANTATION, FL 33324

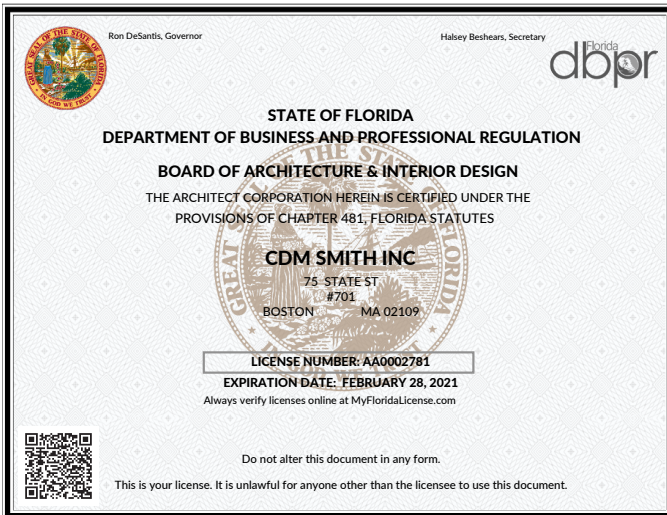
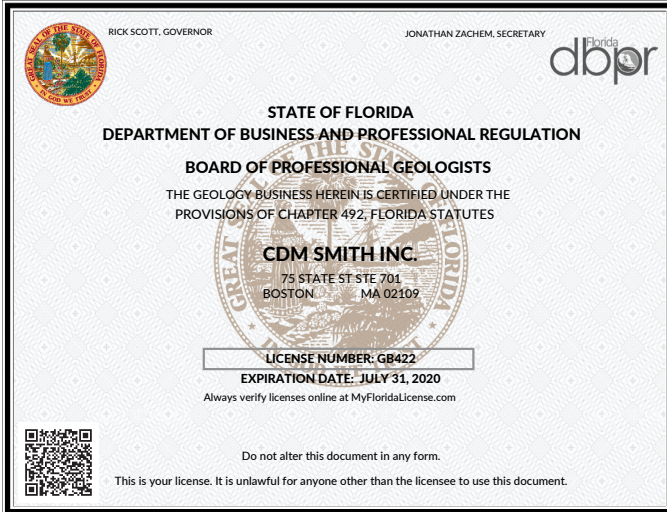
Address Changed: 10/17/2014

**Officer/Director Detail**

**Name & Address**

Title CEO

Wall, Timothy B  
 75 State Street  
 #701



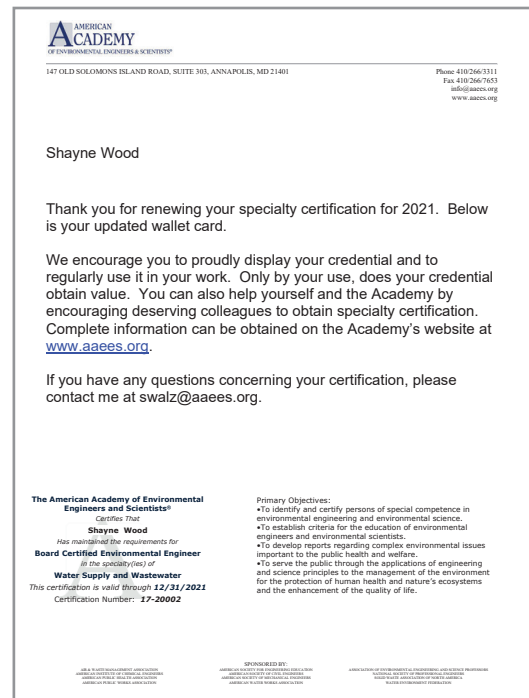
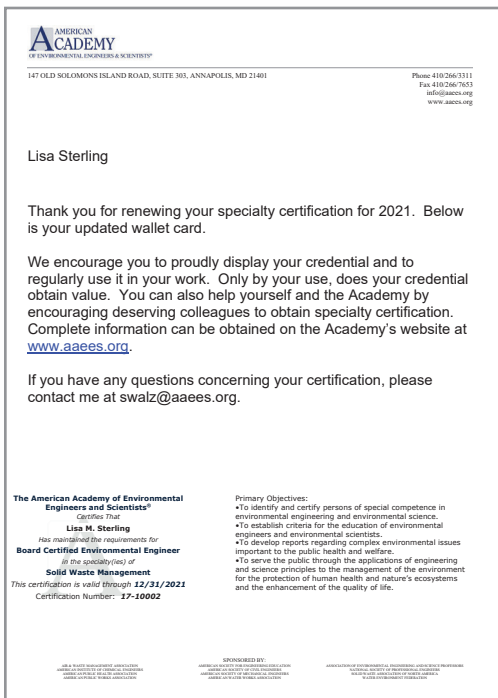
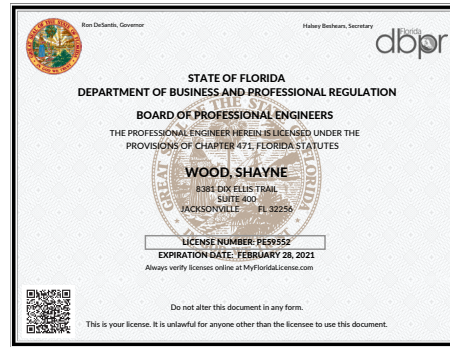
# Licenses, Permits, Certifications

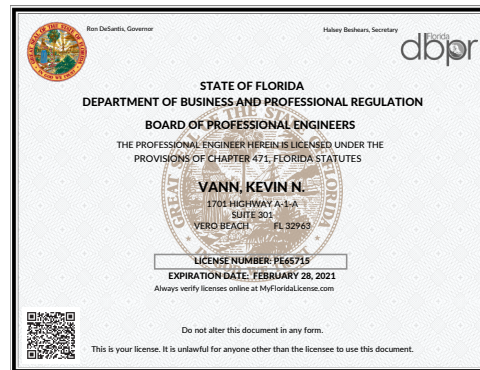
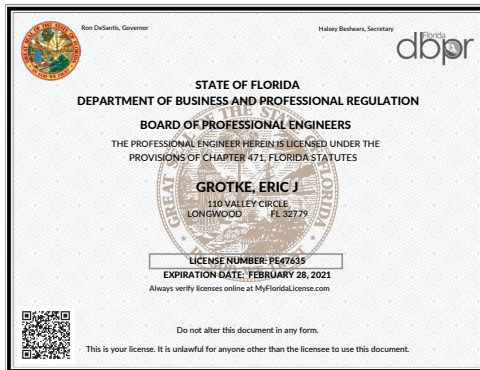
In the space below, each Respondent shall list all current licenses and/or certifications held relative to the required services as provided herein. Each Respondent shall attach a copy of each current license and/or certification listed below to this proposal as instructed.

## CDM Smith Inc.

License Name	License #	Issuing Agency	Expiration Date
Lisa Sterling	FL-64795	State of Florida/PE	02/28/21
Lisa Sterling	2310260	PMI/PMP	1/23/22
Lisa Sterling	17-10002	AAEES/BCEE	12/31/21
Shayne Wood	FL-59552	State of Florida/PE	02/28/21
Shayne Wood	2318204	PMI/PMP	03/06/22
Shayne Wood	17-20002	AAEES/BCEE	12/31/21
Eric Grotke	FL-47635	State of Florida/PE	02/28/21
Eric Grotke	03-10073	AAEES/BCEE	12/31/21
Kevin Vann	FL-65715	State of Florida/PE	02/28/21
Kevin Vann	11-10032	AAEES/BCEE	12/31/20
Kevin Vann	2241956	PMI/PMP	09/03/21
Amy Hightower	FL-76196	State of Florida/PE	02/28/21
Amy Hightower	2313989	PMI/PMP	02/12/22
Amy Hightower	18-10011	AAEES/BCEE	12/31/20
Aamod Sonawane	FL-62526	State of Florida/PE	02/28/21
Aamod Sonawane	2245524	PMI/PMP	09/27/24
Aamod Sonawane	08-10004	AAEES/BCEE	12/31/21
Daniel Strobridge	02980007	QEP	02/28/23
Kurt Westerlund	FL-82426	State of Florida/PE	02/28/21
Joseph Curro	FL-58416	State of Florida/PE	02/28/21
Joseph Curro	02-20013	AAEES/BCEE	12/31/20
David Hightower	13-60028	AAEES/BCES	12/31/20
David Hightower	2803090	PMP	09/16/23
Seth Nehrke	FL-64044	State of Florida/PE	02/28/21
Seth Nehrke	00604	AAWRE/DWRE	n/a
Martin Lewis	FL-56958	State of Florida/PE	02/28/21
Martin Lewis	2275335	PMI/PMP	11/26/21
Martin Lewis	06-10044	AAEES/BCEE	12/31/21
Paul Hauck	FL-50892	State of Florida/PE	02/28/21
Timothy Wiley	FL-78470	State of Florida/PE	02/28/23
Michael Alford	AR92055	AIA	02/28/21
Michael Alford	1218-AP-BD+C	LEED AP BD+C; U.S. Green Building Council	01/02/22
Spencer Perry	FL-62587	State of Florida/PE	02/28/21
Kevin Francoforte	FL-73949	State of Florida/PE	02/28/21

Licensee Details	
<b>License Information</b>	
Name:	STERLING, LISA MICHELLE (Primary Name)
Main Address:	4440 ASHMONT COURT JACKSONVILLE Florida 32258 DUVAL
County:	
License Mailing:	
License Location:	
<b>License Information</b>	
License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	64795
Status:	Current, Active
License Date:	07/12/2006
Expires:	02/28/2021
<b>Special Qualifications</b>	
Civil	Qualification Effective 02/24/2006





AMERICAN ACADEMY OF ENVIRONMENTAL ENGINEERS & SCIENTISTS®  
147 OLD SOLOMONS ISLAND ROAD, SUITE 303, ANNAPOLIS, MD 21401  
Phone: 410.266.3311  
Fax: 410.266.7653  
info@aaees.org  
www.aaees.org

Eric Grotke

Thank you for renewing your specialty certification for 2021. Below is your updated wallet card.

We encourage you to proudly display your credential and to regularly use it in your work. Only by your use, does your credential obtain value. You can also help yourself and the Academy by encouraging deserving colleagues to obtain specialty certification. Complete information can be obtained on the Academy's website at [www.aaees.org](http://www.aaees.org).

If you have any questions concerning your certification, please contact me at [swalz@aaees.org](mailto:swalz@aaees.org).

**The American Academy of Environmental Engineers and Scientists®**  
Certifies That  
**Eric J. Grotke**  
Has maintained the requirements for  
**Board Certified Environmental Engineer**  
in the specialty(ies) of  
**Solid Waste Management**  
This certification is valid through **12/31/2021**  
Certification Number: **03-10073**

**Primary Objectives:**  
•To identify and certify persons of special competence in environmental engineering and environmental science.  
•To establish criteria for the education of environmental engineers and environmental scientists.  
•To develop reports regarding complex environmental issues important to the public health and welfare.  
•To serve the public through the applications of engineering and science principles to the management of the environment for the protection of human health, and nature's ecosystems and the enhancement of the quality of life.

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AMERICAN SOCIETY OF METEOROLOGICAL ENGINEERS  
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AMERICAN SOCIETY OF THERMAL ENGINEERS  
AMERICAN SOCIETY OF WASTE ENGINEERS  
AMERICAN SOCIETY OF WATER RESOURCES ENGINEERS  
AMERICAN SOCIETY OF SURVEYING ENGINEERS  
AMERICAN SOCIETY OF LUMINOUS ENGINEERS  
AMERICAN SOCIETY OF TRANSPORTATION ENGINEERS  
AMERICAN SOCIETY OF POLLUTION ENGINEERS  
AMERICAN SOCIETY OF ENVIRONMENTAL ENGINEERS



AMERICAN ACADEMY OF ENVIRONMENTAL ENGINEERS & SCIENTISTS®  
147 OLD SOLOMONS ISLAND ROAD, SUITE 303, ANNAPOLIS, MD 21401  
Phone: 410.266.3311  
Fax: 410.266.7653  
info@aaees.org  
www.aaees.org

December 1, 2020

Thank you for renewing your specialty certification for 2020. Below is your updated wallet card.

We encourage you to proudly display your credential and to consistently use it in your work. Only by your use, does your credential obtain value. You can also help yourself and the Academy by encouraging deserving colleagues to obtain specialty certification. Complete information can be obtained on the Academy's website at [www.aaees.org](http://www.aaees.org).

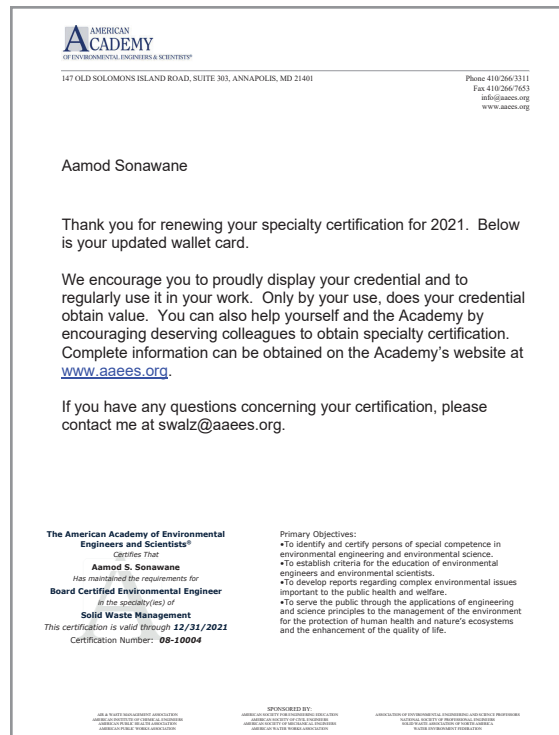
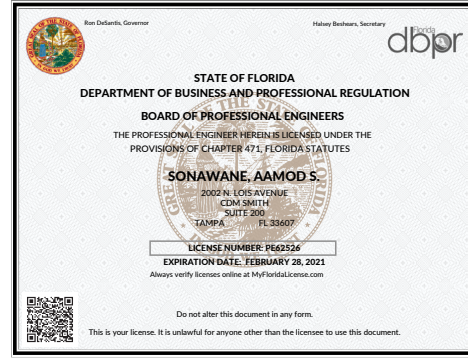
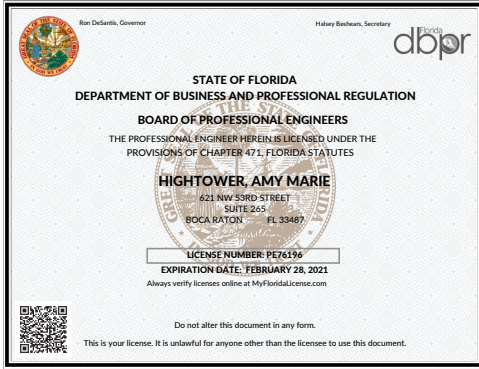
If you have any questions concerning your certification, please contact me at [jdowen@aaees.org](mailto:jdowen@aaees.org).

**The American Academy of Environmental Engineers and Scientists®**  
Certifies That  
**Kevin Vann**  
Has maintained the requirements for  
**Board Certified Environmental Engineer**  
in the specialty(ies) of  
**Solid Waste Management**  
This certification is valid through **December 31, 2020**  
Certification Number: **11-10032**

**Primary Objectives:**  
•To identify and certify persons of special competence in environmental engineering and environmental science.  
•To establish criteria for the education of environmental engineers and environmental scientists.  
•To develop reports regarding complex environmental issues important to the public health and welfare.  
•To serve the public through the applications of engineering and science principles to the management of the environment for the protection of human health and nature's ecosystems and the enhancement of the quality of life.

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AMERICAN SOCIETY OF RADIATION PHYSICISTS  
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AMERICAN SOCIETY OF TRANSPORTATION ENGINEERS  
AMERICAN SOCIETY OF POLLUTION ENGINEERS  
AMERICAN SOCIETY OF ENVIRONMENTAL ENGINEERS



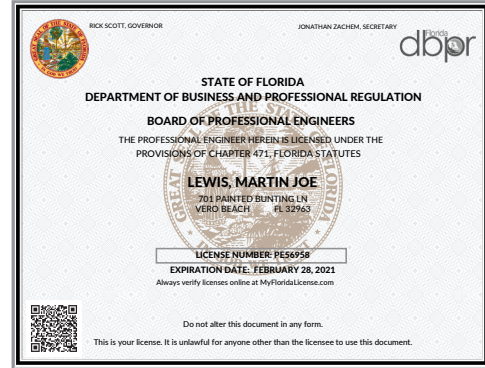


Licensee Details

License Information	
Name:	WESTERLUND, KURT KARL (Primary Name)
Main Address:	201 GIVERNY PL CARY North Carolina 27513
County:	OUT OF STATE
License Mailing:	
License Location:	
License Information	
License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	82426
Status:	Current, Active
Licensure Date:	01/11/2017
Expires:	02/28/2021
Special Qualifications	
Environmental	Qualification Effective 08/02/2016

Licensee Details

License Information	
Name:	CURRO, JOSEPH PAUL (Primary Name)
Main Address:	248 CROSS STREET BELMONT Massachusetts 02478
County:	OUT OF STATE
License Mailing:	
License Location:	
License Information	
License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	58416
Status:	Current, Active
Licensure Date:	04/23/2002
Expires:	02/28/2021
Special Qualifications	
Civil	Qualification Effective 04/23/2002



Licensee Details

License Information	
Name:	NEHRKE, SETH MARSHAL (Primary Name)
Main Address:	13906 MILWAUKEE STREET THORNTON Colorado 80602
License Mailing:	
License Location:	
License Information	
License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	64044
Status:	Current, Active
Licensure Date:	02/06/2006
Expires:	02/28/2021
Special Qualifications	
Civil	Qualification Effective 08/10/2005

AMERICAN ACADEMY OF ENVIRONMENTAL ENGINEERS & SCIENTISTS  
147 OLD SOLOMONS ISLAND ROAD, SUITE 303, ANNAPOLIS, MD 21401  
Phone: 410-266-7311 Fax: 410-266-7653 info@aaees.org www.aaees.org

Martin Lewis

Thank you for renewing your specialty certification for 2021. Below is your updated wallet card.

We encourage you to proudly display your credential and to regularly use it in your work. Only by your use, does your credential obtain value. You can also help yourself and the Academy by encouraging deserving colleagues to obtain specialty certification. Complete information can be obtained on the Academy's website at [www.aaees.org](http://www.aaees.org).

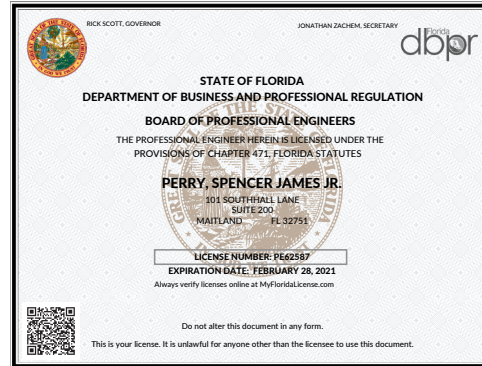
If you have any questions concerning your certification, please contact me at [swalz@aaees.org](mailto:swalz@aaees.org).

The American Academy of Environmental Engineers and Scientists  
Certifies That  
Martin J. Lewis  
Has maintained the requirements for  
Board Certified Environmental Engineer  
(in the specialty(ies) of  
Solid Waste Management  
This certification is valid through 12/31/2021  
Certification Number: 06-10044

Primary Objectives:  
• To identify and certify persons of special competence in environmental engineering and environmental science.  
• To establish criteria for the education of environmental engineers and environmental scientists.  
• To develop reports regarding complex environmental issues important to the public health and welfare.  
• To serve the public through the applications of engineering and science principles to the management of the environment for the protection of human health and nature's ecosystems and the enhancement of the quality of life.

Licensee Details	
<b>License Information</b>	
Name:	<b>HAUCK, PAUL LAWRENCE</b> (Primary Name)
Main Address:	<b>12802 HORSESHOE ROAD TAMPA Florida 33626-4406 HILLSBOROUGH</b>
County:	<b>HILLSBOROUGH</b>
License Mailing:	<b>12802 HORSESHOE ROAD TAMPA FL 33626-4406 HILLSBOROUGH</b>
County:	<b>HILLSBOROUGH</b>
License Location:	
<b>License Information</b>	
License Type:	<b>Professional Engineer</b>
Rank:	<b>Prof Engineer</b>
License Number:	<b>50892</b>
Status:	<b>Current, Active</b>
Licensure Date:	<b>08/31/1996</b>
Expires:	<b>02/28/2021</b>
<b>Special Qualifications</b>	
<b>Advanced Building Code Course Credit</b>	<b>Qualification Effective 11/15/2018</b>

Licensee Details	
<b>License Information</b>	
Name:	<b>WILEY, TIMOTHY GENE</b> (Primary Name)
Main Address:	<b>3604 JERICHO DR CASSELBERRY Florida 32707 SEMINOLE</b>
County:	<b>SEMINOLE</b>
License Mailing:	
License Location:	
<b>License Information</b>	
License Type:	<b>Professional Engineer</b>
Rank:	<b>Prof Engineer</b>
License Number:	<b>78470</b>
Status:	<b>Current, Active</b>
Licensure Date:	<b>01/01/2015</b>
Expires:	<b>02/28/2023</b>
<b>Special Qualifications</b>	
<b>Control Systems</b>	<b>Qualification Effective 04/14/2014</b>



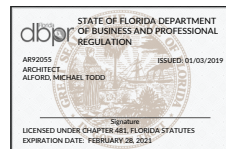
Licensee Details	
<b>License Information</b>	
Name:	<b>FRANCOFORTE, KEVIN M.</b> (Primary Name)
Main Address:	<b>101 SOUTHALL LANE, SUITE 200 C/O CDM SMITH MAITLAND Florida 32751 ORANGE</b>
County:	<b>ORANGE</b>
License Mailing:	
License Location:	
<b>License Information</b>	
License Type:	<b>Professional Engineer</b>
Rank:	<b>Prof Engineer</b>
License Number:	<b>73949</b>
Status:	<b>Current, Active</b>
Licensure Date:	<b>01/12/2012</b>
Expires:	<b>02/28/2021</b>
<b>Special Qualifications</b>	
<b>Civil</b>	<b>Qualification Effective 07/28/2011</b>
<b>Advanced Building Code Course Credit</b>	<b>12/05/2018</b>



Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to barbecue restaurants, and they keep Florida's economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto [www.myfloridalicense.com](http://www.myfloridalicense.com). There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department's initiatives.

Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!



The Board of Trustees of the American Academy of Water Resources Engineers under the authority vested in them by the Civil Engineering Certification, Inc. confirm that

**Seth Nehrke**

having given satisfactory evidence of professional qualifications in accordance with the American Academy of Water Resources Engineers Bylaws is awarded this Certificate of Special Knowledge and authorized the status of

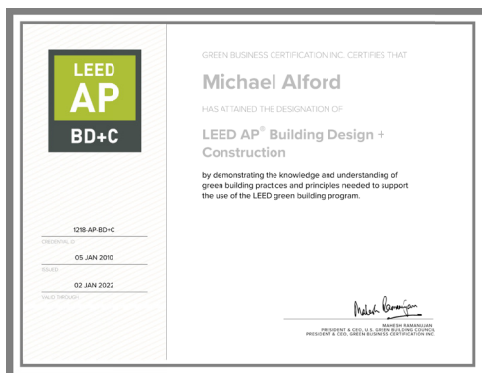
**Board Certified  
Diplomate, Water Resources Engineer**

with all rights, privileges and responsibilities appertaining thereto. This Certificate of Special Knowledge is granted by the Academy. Given this day, April 12, 2012

*William H. Egey*  
President

*Frank Kim*  
Secretary

Diplomate Number: 00864



# Certificates of Insurance

Respondents shall provide certificates of insurance as part of their submittal package. Certificates of insurance shall meet or exceed the requirements as described in Part VI: Contract Requirements; H. Insurance Requirements. Failure to provide proof of current insurance coverage or ability to obtain the required coverages may result in being deemed non-responsive and removed from further consideration.

CDM Smith shall meet or exceed all insurance requirements outlined in Part VI: Contract Requirements, Section G: Insurance Requirements page 18 of the RFQ. Below is a sample certificate of our minimum limits. A formal certificate listing the County as "Additional Insured" will be provided upon award of contract prior to commencement of work.

		<b>CERTIFICATE OF LIABILITY INSURANCE</b>		DATE(MM/DD/YYYY) 12/27/2019														
THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.																		
IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).																		
<b>PRODUCER</b> Aon Risk Services Northeast, Inc. Boston MA office 53 State Street Suite 2201 Boston MA 02109 USA			<b>CONTACT NAME:</b> PHONE (A.C. No. Ext): (866) 283-7122      FAX (A.C. No.): 800-363-0105 E-MAIL ADDRESS:		Holder Identifier :													
<b>INSURED</b> CDM Smith Inc. 75 State Street, Suite 701 Boston MA 02109 USA			<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A: LM Insurance Corporation</td> <td>33600</td> </tr> <tr> <td>INSURER B: Liberty Insurance Corporation</td> <td>42404</td> </tr> <tr> <td>INSURER C: Liberty Mutual Fire Ins Co</td> <td>23035</td> </tr> <tr> <td>INSURER D: ACE Property &amp; Casualty Insurance Co.</td> <td>20699</td> </tr> <tr> <td>INSURER E: L'loyd's Syndicate No. 2623</td> <td>AA1128623</td> </tr> <tr> <td>INSURER F: Commerce &amp; Industry Ins Co</td> <td>19410</td> </tr> </tbody> </table>			INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: LM Insurance Corporation	33600	INSURER B: Liberty Insurance Corporation	42404	INSURER C: Liberty Mutual Fire Ins Co	23035	INSURER D: ACE Property & Casualty Insurance Co.	20699	INSURER E: L'loyd's Syndicate No. 2623	AA1128623	INSURER F: Commerce & Industry Ins Co
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INSURER E: L'loyd's Syndicate No. 2623	AA1128623																	
INSURER F: Commerce & Industry Ins Co	19410																	
<b>COVERAGES</b>		<b>CERTIFICATE NUMBER: 570079833915</b>		<b>REVISION NUMBER:</b>														
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. <span style="float: right;">Limits shown as requested</span>																		
INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS											
B	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:			TB7611B8T8Z6040	01/01/2020	01/01/2021	EACH OCCURRENCE \$2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$1,000,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$2,000,000 GENERAL AGGREGATE \$4,000,000 PRODUCTS - COMP/OP AGG \$4,000,000											
C	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			AS2-611-88T8Z6-060	01/01/2020	01/01/2021	COMBINED SINGLE LIMIT (Ea accident) \$2,000,000 BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)											
D	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION			XEUG28194687004	01/01/2020	01/01/2021	EACH OCCURRENCE \$5,000,000 AGGREGATE \$5,000,000											
A	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	WA561DB8T8Z6010 AOS WC5611B8T8Z6020 WI	01/01/2020	01/01/2021	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE-EA EMPLOYEE \$1,000,000 E.L. DISEASE-POLICY LIMIT \$1,000,000											
F	Env Contr Poll			CP01213030 Pollution Liab.	01/01/2020	01/01/2022	Each Loss \$30,000,000 Aggregate \$30,000,000											
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) Re: Proposal Use Only.																		
<b>CERTIFICATE HOLDER</b>				<b>CANCELLATION</b>														
CDM Smith Inc. 75 State Street, Suite 701 Boston MA 02109 USA				SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 														

Holder Identifier :  
Certificate No : 570079833915



# Claims, Liens, Litigation History

1. Within the past 7 years, has your organization filed suit or a formal claim against a project owner (as a prime or subcontractor) or been sued by or had a formal claim filed by an owner, subcontractor or supplier resulting from a construction dispute? **Yes** No

If yes, please attach additional sheet(s) to include: [Please see attached for following information.](#)

Description of every action Captions of the Litigation or Arbitration

Amount at issue: \_\_\_\_\_ Name (s) of the attorneys representing all parties:

Amount actually recovered, if any: \_\_\_\_\_

Name(s) of the project owner(s)/manager(s) to include address and phone number: \_\_\_\_\_

2. List all pending litigation and or arbitration.  
[Please see attached.](#)
3. List and explain all litigation and arbitration within the past seven (7) years - pending, resolved, dismissed, etc.  
[Please see attached.](#)
4. Within the past 7 years, please list all Liens, including Federal, State and Local, which have been filed against your Company. List in detail the type of Lien, date, amount, and current status of each Lien. [There have been no liens filed against CDM Smith in the past seven years.](#)
5. Have you ever abandoned a job, been terminated, or had a performance/surety bond called to complete a job? **Yes** No  
[There has been one termination in the past ten years. In 2010, Bossier City, Louisiana terminated a contract just prior to filing a lawsuit. CDM Smith Inc. disputed the City's claims and the matter was promptly resolved between the parties.](#)
6. For all claims filed against your company within the past five-(5) years, have all been resolved satisfactorily with final judgment in favor of your company within 90 days of the date the judgment became final? **Yes** No
7. List the status of all pending claims currently filed against your company:  
[Please see attached.](#)

## Liquidated Damages

8. Has a project owner ever withheld retainage, issued liquidated damages, or made a claim against any Performance and Payment Bonds? Yes **No** [No Owner has withheld payment, assessed fees or penalties, or made a claim against any CDM Smith Inc. Performance or Payment Bonds.](#)

**Attachment 3C – Claims/Liens/Litigation History**

Due to its size and volume of business, CDM Smith Inc. has occasionally been involved in legal proceedings. There are no past or current outstanding legal proceedings, judgments or contingent liabilities that could adversely affect the financial position or ability of CDM Smith Inc. to perform any of its contractual commitments.

In response to questions 1, 3, and 6, please find below a list of matters filed in the past seven (7) years involving CDM Smith Inc.’s professional services. In response to questions 2 and 7, this list below also includes all pending matters involving CDM Smith Inc.’s professional services.

There has only been one judgment against CDM Smith Inc. during that time. In April 2017, the City of Santa Barbara, California filed a lawsuit against CDM Smith Inc., among other defendants, alleging negligence and breach of contract in the performance of a water treatment plant improvements project. CDM Smith Inc. was found negligent, and the matter was thereafter promptly resolved to the satisfaction of the parties. All matters listed below as “Closed” have been resolved to the satisfaction of all parties, with the settlement amounts, if any, strictly confidential subject to a Court order. CDM Smith Inc. considers the “Project Owner” to be the municipality where the project was performed, e.g. the City of Brevard, North Carolina. Further, the CDM Smith Inc. Office of General Counsel does not “track” the Owner’s project managers.

Date Filed	Case Name	Forum	Docket #	Cause of Action	Description	Status	Name of Opposing Counsel; CDM Smith Counsel
16-Jul-20	Springfield Water and Sewer Commission v. Ludlow Construction Company Inc., CDM Smith Inc., and Tis Nuoval, S.R.L.	Hampden County (MA) Superior Court	Civil Action No. 20-0364	Breach of Contract, Negligence, Contractual Indemnification	Plaintiff alleges deficient services in water treatment plant project.	Pending	Rory Farrell; Michael Sullivan
29-May-20	Gregory and Brenda Wilson, as Personal Representatives of the Estate of Aaron Jamal Wilson vs. SEMA Construction, Inc., CDM Smith Inc., AECOM Inc., Tierra, Inc.; Horizon Engineering Group, Inc., and Traffic Engineering Data Solutions, Inc.	Circuit Court of 9th Judicial Circuit, Orange County, Florida	108116242	Negligence	Plaintiff filed suit alleging incorrect traffic signage, lighting, and other channeling devices caused automobile accident.	Pending	Kenneth McKenna; Brian Bennett

28-Jan-20	City of Brevard, a North Carolina Municipal Corporation v. CDM Smith Inc.	NC Superior Court, County of Transylvania	20 CVS 49	Breach of Contract, Negligence	Plaintiff alleges breach of contract and negligence in engineering services performed for pump station and flow equalization tank at a wastewater treatment plant improvements project. Plaintiff alleges contaminated soil from nearby property was improperly handled.	Pending	William Clarke; Daniel Marx
04-Nov-19	Thayer Academy v. R.A.D. Corp. d.b.a R.A.D. Sports v. CDM Smith Inc.	Norfolk County Superior Court, Massachusetts	1982CV01202	Contribution and Indemnification	Third party plaintiff brought contribution and indemnification action alleging negligent project performance against CDM Smith.	Pending	Mark Freel, Douglas Sweeney; Michael Sullivan
01-Nov-19	Santa Clara Valley Water District v. CH2M Hill, Inc., CDM Smith, Inc., DOES 1 - 60	Superior Court of the State of California, County of Santa Clara	19C357874	Negligence	Plaintiff alleges engineering errors in water treatment plant residuals management project	Pending	Eric Firstman, Ian Johnson; William Peters
25-Oct-18	Spence Brothers v. Board of County Road Commissioners of the County of Bay, and Board of County Road Commissioners of the County of Bay, Counter-Plaintiff, v. Spence Brothers, Counter-Defendant/Third-Party Plaintiff, v. CDM Smith Inc., Third-Party Defendant.	Circuit Court for the County of Bay, State of Michigan	Case No. 18-3360-CK	Third Party Complaint alleging Negligent Misrepresentation	Third Party Plaintiff alleges CDM Smith submitted project documents with errors.	Pending	James Case, Jacquelyn A. Klima; Daniel J. Hatch
21-Sep-18	Cambria Community Services District, a California Independent Special Services District v. CDM Smith Inc., a Massachusetts Corporation, and DOES 1 through 25, inclusive	Superior Court of the State of California for the County of San Luis Obispo	Case No. 18CVP-0318	Breach of Contract, Negligence	Plaintiff alleges CDM Smith breached its contract and was negligent in the performance of engineering services in a water treatment facility design project	Pending	Peter Howell; Eric Berg
29-Jun-18	Morange Lake Association, Inc. v. South Carolina Department of Transportation, South Carolina Department of Health and Environmental Control, CDM Smith, Inc., Phillips & Jordan, Inc.	State of SC Court of Common Pleas, County of Lexington	Case # 2018CP32002246	Negligence, Trespass, Conversion, Strict Liability, Nuisance, Civil Conspiracy	Plaintiff alleges defendants negligently damaged their dam by wrongfully destroying spillway	Closed	William H. Edwards; Franklin J. Smith, Jr.

02-Apr-18	Daniel Nishihara, et al. v. CDM Smith Inc., f/k/a/ Camp Dresser & McKee Inc., Damien Herrera, P.E., S.J. Louis Construction of Texas Ltd., S.J. Louis, LLC, and City of San Antonio, acting by and through its San Antonio Water System Board of Trustees	285th Judicial District in Bexar, Texas	Cause No. 2018CI0589 8	Wrongful Death, Survival Action, Personal Injury	Wrongful death action allegedly arising from damage to roadway due to alleged wastewater pump failure.	Closed	Daniel Sciano, Grant McFarland, Aaron Valadez; Rick Espey
29-Mar-18	Skyline Engineering, LLC v. RCDolner LLC, Lakhani & Jordan Engineers, P.C., CDM Smith Inc. and Turner & Townsend Ferzan Robbins LLC	Supreme Court of the State of New York, County of New York	6519272016	Contribution, Indemnification	Third party plaintiff (Skyline) alleged negligence. CDM Smith ultimately dismissed from the case after the arbitrator in the underlying matter found in favor of CDM Smith.	Closed	Kenneth McLellan, Keith Roussel: Michael Vardaro
28-Dec-17	Suleymar Ramos-Castro, et al v. Wilbur Smith Associates, Inc. and CDM Smith Inc.	Superior Court J.D. of New Haven, Connecticut	NNH-CV-18-6076539-S	Negligence	Plaintiff alleged defective signal design at intersection caused auto accident.	Closed	Isabelle Koch: Paula Bennett
29-Sep-17	John Haughey & Sons, Inc. v. CDM Smith Inc.	Court of Common Pleas of Allegheny County, Pennsylvania Civil Division	GD-17-010695	Negligence	Plaintiff alleges deficient design relating to the fire protection system	Pending	Thomas E. Weiers, Jr.: Dan Cerrone
28-Apr-17	The City of Meridian vs. Hemphill Construction Company, Inc.	Circuit Court of Lauderdale County, Mississippi	CN: 17-CV-050(c)	Breach of Contract, Negligence	Plaintiff alleged damages related to pump failures.	Closed	William Simmons; Jeffrey Pastorek
28-Apr-17	City of Santa Barbara, etc., vs. CDM Smith Inc., etc., et al	Santa Barbara County, Superior Court - Santa Barbara, CA	Case #17CV0184 7	Breach of contract	Plaintiff alleged Defendant breached its contract and was negligent in water treatment plant improvement project. Defendant was found liable for negligence and the matter was thereafter promptly resolved between the parties.	Closed	Eric Firstman, Aaron D. Gest; Eric Berg
31-Mar-17	St. Bernard Parish Government v. CDM Smith Inc., et al	34th Judicial District Court for the Parish of St. Bernard, Louisiana	No. 17-0454	Negligence	Plaintiff alleges damages related to blowers that operate the wastewater treatment plant's aeration basin.	Closed	Jason Cavignac; Jeffrey Pastorek
12-Jan-17	W.C. English Inc. v. Rummel, Klepper & Kahl, LLP, and CDM Smith Inc.	US District Court, Western District of Virginia	6:17-cv-00018-NKM-RSB	Negligence	Alleges negligent inspection services during freeway bridge construction.	Pending	Patrick Genzler, James Harvey; Jason Smith
12-Aug-16	Pepper-Lawson Construction, LP v. March Construction, Inc.; RLI Insurance Company, Desert Steel Co., Inc., Skyline Forming	277th Judicial District Court of Williamson County, TX	Cause No. 15-0033-C277	Contribution, Indemnification	Contractor claimed defects in design of water plant. Because the claims involve design of reinforced concrete structures which was done by our subconsultant, CDM Smith filed a third-party claim to join Jose I. Guerra, Inc.	Closed	Donald Holcomb, Rob Holcomb: Greg Sapire



	South Texas, Inc., Jack Claflin, Plan C Contracting, L.P., The Redland Group, LLC, Brushy Creek Regional Utility Authority; Safeco Insurance Company of America; CDM Smith, Inc.; and Jose I. Guerra, Inc.						
17-Jun-16	Commonwealth of Massachusetts v. Veolia Water North America North-East LLC, et al. including CDM Smith and Town of Plymouth	Superior Court Department, Suffolk County, Massachusetts	16-1282E	Breach of Warranty, Breach of Contract	Third party complaint alleging damages resulting from sewage main failure alleged to result from negligent preliminary design.	Closed	Richard Holland; Michael Sullivan
02-May-16	Town of Plymouth vs. Veolia Water North America - Northeast LLC, Veolia Water North America Operating Services, et al including CDM Smith Inc.	US District Court, District of Massachusetts	No. 1:16-cv-10451-DJC	Negligence	Damages resulting from to sewage main failure alleged to result from negligent preliminary design.	Closed	Richard Holland; Michael Sullivan
02-Sep-15	Yonkers Contracting Company, Inc. vs. The County of Westchester, et al. including CDM Smith Inc.	Supreme Court, NY, Westchester County	Case #639292015	Contribution	Claim by Yonkers against CDM Smith dismissed for lack of privity. Remaining defendants filed third party contribution claim against CDM Smith.	Closed	John. J.P. Kroll; Michael Vardaro
18-May-15	Estate of Westbrook v. Candelaria Margarita Perez, et al.	Hillsborough County Circuit Court, FL	14-CA-003954	Negligent design	Claim alleged negligent design of traffic sign caused plaintiff's death	Closed	Anthony Martino; Paul Milligan
06-Apr-15	Lake County Public Water District v. CDM Smith Inc. et al	Nineteenth Judicial Circuit Lake County, Illinois	No. 15L262	Breach of contract	Claim that metal specified for treatment plant launders was inadequate.	Closed	James Babowice; Dora Palendish
30-Jan-15	DeVere Construction Company, Inc. v. CDM Smith Inc., Union County, and Pete Duty and Associates, Inc.	NC Superior Court Division	2015CV500 258	Negligence	Contractor claimed pumps specified for pump station were not suitable.	Closed	Mason Goldsmith, Bryan P. Kelley; Erin Rosenwood
01-Jan-15	Mutual Redevelopment Houses Inc. V. CDM Smith Inc.	American Arbitration Association	n/a	Demand for Arbitration	Claimant alleged that CDM Smith provided deficient professional engineering services in the replacement of approximately 1,200 fan coil units in residential apartments. The arbitrator ultimately awarded the claimant nothing.	Closed	Adriane Price; Michael Vardaro

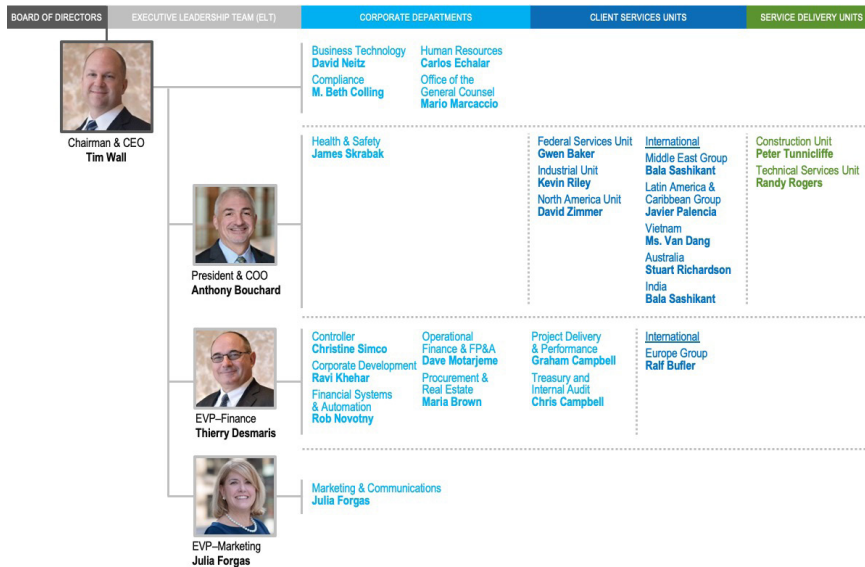
25-Aug-14	Diamondhead Water and Sewer District v. CDM Smith Inc.	U.S. District Court, Southern District of Mississippi	114cv327hs ojcg	Breach of Contract, Negligent Misrepresentation, Negligence, Indemnification	Client alleges CDM Smith failed to produce designs that could be built within available construction budgets.	Closed	James Simpson Jr.; Hugh D. Keating
13-Nov-13	WHF Electrical Contractors, Inc. v. Cajun Constructors and Liberty Mutual Insurance Co. (CDM Smith as TPD)	142nd Judicial District, District Court, Midland County, Texas	CV 48216	Negligence, Negligent Misrepresentation, Tortious Interference with Contract, Negligent Contract Administration	Third party plaintiff general contractor alleges negligence in preparation of plans and specifications and misrepresentations in bid documents.	Closed	David V. Wilson II; Greg Sapire
14-Aug-13	Middleneck Road, LLC vs. CDM Smith Inc. et al.	Supreme Court, State of New York, County of Onondaga	Index No. 2013-4387	Negligence	Plaintiff alleges defendants negligently designed and/or oversaw the installation of a county sewer line. CDM Smith's motion for summary judgment was granted, and therefore the case was closed as to CDM Smith.	Closed	Paul Curtin; Michael Vardaro
21-Jun-13	Rend Lake Conservancy District v. Siemens Water Technologies Corp., CDM Smith Inc.	2nd Judicial Circuit Court of Franklin County, Illinois	2013-L-42	Breach of Contract	Dispute over contract terms on water treatment plant design project. In November 2017, the court dismissed all tort claims against CDM Smith. The only remaining claim is breach of contract.	Closed	Jeffrey Hebrank, Noel Smith; Douglas Palandech
02-Apr-12	The City of Waveland, Mississippi, vs. CDM Smith Inc. et al	Hancock County Circuit Court, MS	120131	Breach of Contract Negligence	Dispute regarding whether pier meets floodplain requirements	Pending	Gary M. Yarborough Jr.; David Whitaker
22-Jul-11	Village of Johnson City, et al. vs C & S Engineers, Inc., et al. including Camp Dresser & McKee Inc.	Broome County: Supreme Court, New York	2011001832	Negligence	Plaintiff alleges design and construction errors at the Binghamton-Johnson City Joint Sewage Treatment Plant	Pending	Kenneth J. Frank; Michael Vardaro

# Company Organization Chart

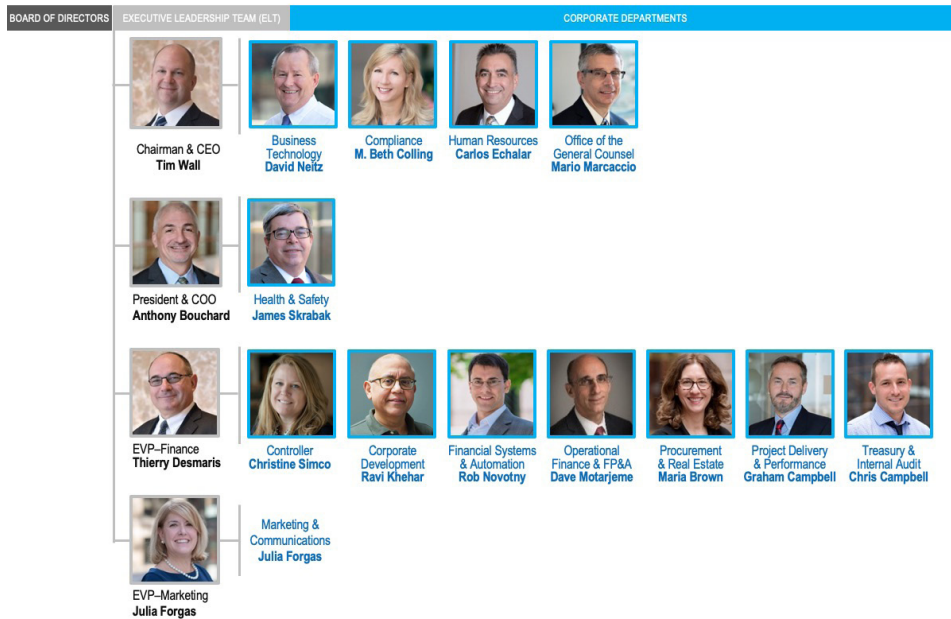
CDM Smith is employee owned, instilling pride in our work and allowing us the freedom and independence to put our clients first. At CDM Smith, leadership is a privilege. With balanced representation from all facets of the engineering and construction business, our leaders form a cohesive team determined to deliver exceptional service to clients and to represent employees with honesty and transparency. We truly care about our clients. We take on their challenges as our own. And we deliver success by providing a legendary client experience every time.

CDM Smith provides services through the following major business units: North America Unit; Federal Services Unit; and International Unit. These units are supported by the Technical Services Unit and the Construction Unit—all working together to deliver integrated engineering and construction services worldwide. Our local office and the team members proposed to support St. Johns County are the same team members who have successfully served the County in the past. We value the opportunity to hopefully continue to be your solid waste consultant in the future.

## The CDM Smith Organization



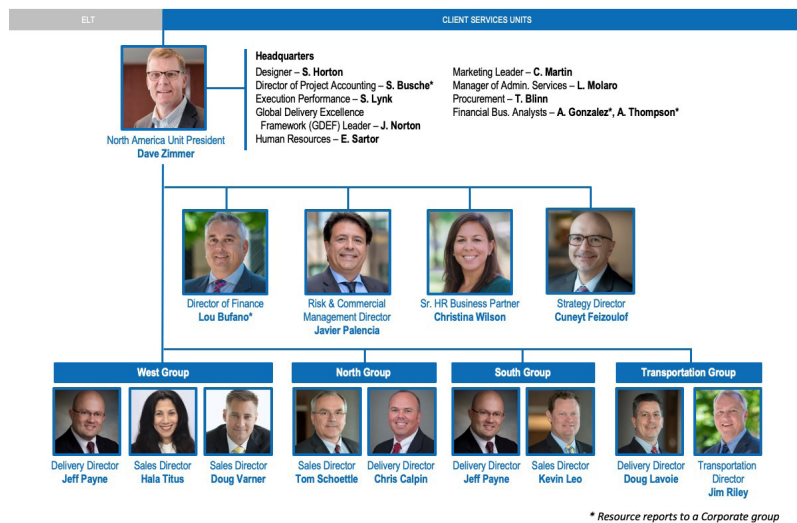
## Corporate Departments



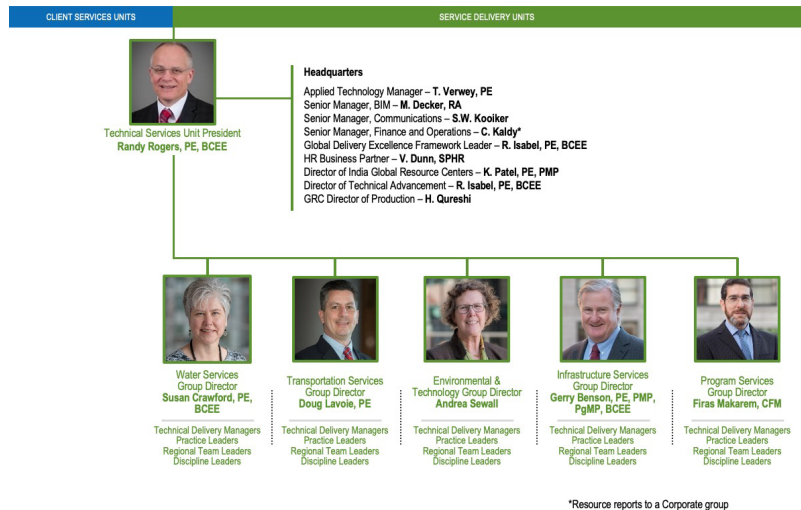
## Business Units



## North America Unit



## Technical Services Unit



# Project Team Organization Chart

We are proud to present **Lisa Sterling, PE, BCEE, PMP** as our local program manager, to guide the team in listening to and working with the County’s staff. Ms. Sterling’s knowledge and **12 years experience with the County** makes her the ideal leader for this contract. She has acted in leadership roles on more than a dozen County projects for solid waste facility permitting and design, landfill gas collection system operations assistance, waste conversion technologies assistance, permit compliance monitoring and reporting assistance, and more. Ms. Sterling will be the County’s primary point of contact for the execution of this contract. She will also manage and facilitate project activities and staff resources and will be directly responsible for maintaining project budget and schedule, subconsultant coordination, quality assurance, and deliverable production.

In the organizational chart included below, we have provided the County with a comprehensive and depth of resources that covers the County’s full scope of services.



# Key Personnel List

In the space below, list all qualified personnel who are permanent employees of the company that may be utilized to perform the required scope of services. Attach brief but comprehensive resumes for each staff member listed below.

## CDM Smith Inc.

Employee Name	Employee Title	# years employed w/ CDM Smith	Total # years' experience in Industry
Lisa Sterling	Project Manager	14	19
Shayne Wood	Officer-in-Charge	21	24
Aamod Sonawane	Technical Advisor	19	20
Cynthia Hibbard	Technical Advisor	31	37
Daniel Strobridge	Technical Advisor	35	43
Kurt Westerlund	Permitting/Regulatory Compliance Solid Waste Permitting	7	7
Seth Nehrke	Stormwater/Civil Design	16	19
John McHugh	Construction Services	25	28
Martin Lewis	Construction Services	23	25
Amy Hightower	Financial Services Solid Waste Design	11	11
Diane Kemp	Financial Services	33	36
Kevin Vann	Recycling/ Transfer Facilities Solid Waste Master Planning	17	18
Joseph Curro	Recycling/ Transfer Facilities Emerging/Thermal Conversion Technologies	41	45
David Hightower	Solid Waste Design	14	17
Eric Grotke	Solid Waste Master Planning Emerging/Thermal Conversion Technologies	31	31
Paul Hauck	Emerging/Thermal Conversion Technologies	13	45
Michael Alford	Architectural	19	20
Spencer Perry Jr	Electrical	22	22
Kevin Francoforte	Structural	13	14
Timothy Wiley	Instrumentation	9	22
Adrian Streng	Instrumentation	7	23

Brief comprehensive resumes are provided on the following pages for each individual listed above.



# Lisa M. Sterling, PE, PMP, BCEE

## Project Manager

Years of Exp.	19 Years
City of Residence	Jacksonville, FL
Education	BS – Environmental Engineering
Registration	Professional Engineer (FL)
Certification	Board Certified Environmental Engineer (BCEE), American Academy of Environmental Engineers and Scientists; Project Management Professional (PMP)

- **Project Manager, St. Johns County Solid Waste Master Plan, St. Johns County, FL.** Ms. Sterling was the project manager for this master planning exercise to establish the County's long-term strategic plan for continued development and operation of their solid waste management program. The master planning activities included an assessment of current infrastructure condition, development of a Capital Improvement Plan (CIP) and policy initiatives to meet long-term goals; analysis of the County's fiscal plans for solid waste assessments and CIPs; and facilitation of a public outreach program targeted to County management, interested stakeholders, and residents.
- **Project Manager, Trail Ridge Landfill (TRL) Environmental Resource Permitting and Wetland Mitigation (Phases 6 – 14), City of Jacksonville, FL.** Ms. Sterling led the team in obtaining a 20-year construction and operating permit for the TRL. This project included design and permitting of more than 300 acres of landfill expansions area and included geotechnical investigation, groundwater and surface water monitoring plan development, a double composite liner design, and wetland mitigation. This project also involved coordination with the City's preliminary solid waste master planning activities.
- **Deputy Project Manager, TRL Expansion Master Site Plan, City of Jacksonville, FL.** Ms. Sterling acted as deputy project manager for the development of the master site plan and alternatives analysis. Ms. Sterling led the task of identifying and providing cost estimation for alternative site plan layouts. A cost-benefit analysis was performed to identify the most beneficial alternative with the fewest regulatory hurdles for implementation.
- **Project Manager, Central Disposal Facility Scale House and Entrance Road Design and Permitting, Brevard County, FL.** Ms. Sterling was the project manager for this three-phase project which includes design and permitting of a new scalehouse facility, a half mile entrance road, County roadway improvements for public safety, and Environmental Resource Permit/US Army Corps of Engineers (ERP/USACE) wetland permitting. The three-phase project included Adamson Road improvements and the entrance road, which were constructed by the Brevard County Road and Bridge Construction group and the scale house, which was publicly bid. The Facility includes new scale house building, scales, waste reporting system, supporting utilities, stormwater treatment, and entrance road from Adamson Road.
- **Project-Manager, TRL Phase 6: Landfill Gas System Design and Permitting, City of Jacksonville, FL.** For the City of Jacksonville, Ms. Sterling is leading the design and permitting of the landfill gas collection system for a 31-acre lined cell at TRL. The project includes design of horizontal collection wells and associated blowers and flare system. The team is also applying for a modification of the Title V Operating Permit for a Major Prevention of Significant Deterioration (PSD) Source. The permit modification includes the new gas collection equipment as well as two leachate evaporators, associated burners, and ancillary equipment.
- **Project-Manager, TRL Leachate Treatability Study, City of Jacksonville, FL.** Ms. Sterling headed the evaluation of the City of Jacksonville's TRL leachate for treatability by biological treatment, evaporation, deep well injection, and treatment by a third party. The evaluation included a bench scale pilot treatment system to investigate biological treatment coupled with chemical oxidation and dilution. Lifecycle costs were performed on all alternatives and presented to the City for consideration in future CIP planning.

- **Project Manager, TRL Construction Engineering and Inspection Services, City of Jacksonville, FL.** Ms. Sterling served as the project manager for the TRL design and permitting, and continued in this role when the landfill construction began. Ms. Sterling led the team of engineers, field inspectors, and Quality Assurance/Quality Control (QA/QC) firms in Construction Engineering and Inspection (CEI) activities focused on compliance with the contract plans and specifications as well as permit compliance and closeout documentation. She coordinated shop drawing reviews, performed review of outside QA/QC testing results, scheduled and managed a team of ten field staff performing inspection and compliance testing, and coordinated monthly project meetings, site inspections, and pay application reviews. Lastly, Ms. Sterling developed and submitted the TRL completion report to the Florida Department of Environmental Protection (FDEP) for a timely opening of the 31-acre lined cell.
- **Project Manager, TRL Expansion (Phase 6 – Final Design), City of Jacksonville, FL.** Ms. Sterling headed the design team for the development of construction of approximately 30 acres of lined landfill. The design also included stormwater infrastructure and site monitoring which will cover future expansion phases through the year 2040. This project included development of construction plans and specifications as well as cash flow management projections.
- **Interim Project Manager, HEMA Road Dump Site and Remedial Action Plan (RAP), City of Jacksonville, FL.** Under a master services agreement, CDM Smith is conducting a site assessment in preparation for site closure at the 12-acre Hema Road Dump Site (Site). The tasks included in the site assessment are intended to meet objectives of a Site Assessment specified in Chapter 62-780.600(3), F.A.C. The assessment includes two major tasks. These are the waste characterization/soil assessment and the groundwater assessment. Ms. Sterling served as interim project manager on this project.
- **Project Engineer, Valens Drive Low Impact Development (LID), City of Jacksonville, FL.** CDM Smith provided engineering services to update the stormwater master plan and identified projects that address flooding, water quality, and erosion control. The Valens Drive LID Demonstration combined LID streetscaping practices with the development of a regional stormwater facility to help mitigate area flooding, lessen the environmental footprint, and help address the nitrogen Total Maximum Daily Load (TMDL) for the St. Johns. For this project, Ms. Sterling provided support during construction services.
- **Project Engineer, Hopkins Creek Regional Stormwater Facility, City of Atlantic Beach, FL.** Portions of Hopkins Creek experience chronic and prolonged roadway and house flooding and were identified as a priority project in the Stormwater Master Plan Update developed by CDM Smith. Recommended in the plan was the construction of a stormwater regional facility to reduce flooding and to provide auxiliary retrofit water quality treatment, which is redeemable as TMDL credit from FDEP. Ms. Sterling assisted the City in applying for both St. Johns River Water Management District (SJRWMD) water quality improvement grant and the FDEP 319h grant. The project was awarded both grants, although the City ultimately decided to move forward with only one grant for construction.
- **Project Manager, Sustainability Program, Jacksonville Aviation Authority (JAA), Jacksonville, FL.** Ms. Sterling led the team that developed the first phase of JAA's Sustainability Program, including establishing an environmental baseline for JAA's energy, water, and waste activities. This project had allowed Ms. Sterling to coordinate closely with the Airports' environmental, planning, and operations staff to understand their vision for JAA's future operations and integration with the Airports' five-year business plans. The ultimate goal of this project was to establish a sustainability program that improves the airports' operational efficiency and environmental stewardship.
- **Project Manager, Development of Regional Impact (DRI) Annual Reporting, JAA Jacksonville, FL.** Ms. Sterling headed the team that reported JAA's progress on fulfilling the requirements of its DRI special conditions. The annual reporting on behalf of the airport includes an evaluation of airport development on area roadways through a traffic impact study, wetland mitigation progress, and land acquisition and development planning. The most recent DRI annual report also included an evaluation of affordable housing availability surrounding the airport.
- **Project Manager, Asset Management Policies and Procedures Manual, St. Johns County Utilities Department (SJCUD), St. Johns County, FL.** For the SJCUD, Ms. Sterling led the project team to develop asset management procedures, policies, and work processes. This project focused on developing asset management work processes for the Department's four divisions: WTP, WWTP, lift stations, and lines and taps. Relevant work included asset capitalization procedures, asset hierarchy development, asset definition guidelines, rehabilitation and replacement (R&R) planning processes, and asset capitalization procedures. Ms. Sterling also developed an automated asset capitalization spreadsheet to document and standardized transactions between the utility department and the County Clerk's office.





## Shayne Wood, PE, PMP, BCEE

### Officer-in-Charge

Years of Exp.	24 Years
City of Residence	Jacksonville, FL
Education	BS – Environmental Engineering, Mercer University
Registration	Professional Engineer (FL, GA)
Certification	Board Certified Environmental Engineer (BCEE), American Academy of Environmental Engineers and Scientists; Project Management Professional (PMP)

- **Project Manager, Southside Generating Station (SGS) Site Assessment and Remediation, JEA, Jacksonville, FL.** What started out as a Peer Review and then became a full-scale assessment and remediation project for CDM Smith, Mr. Wood has continually served as the project manager for JEA on this project since 2007. Mr. Wood guided the technical team and interfaced with FDEP, EPA and supported public meetings to develop, permit, provide construction oversight and led the O&M team for the innovative and cost-effective groundwater Hydraulic Control System (HCS). Under Mr. Wood’s direction, and as a result of the initial peer review, the CDM Smith team identified technical flaws in the previous consultant’s proposed remedy (Funnel and Gate System) and proposed a more cost effective and superior remediation approach. Mr. Wood was the P.E. who certified the Brownsfield Tax Credit for JEA and assisted the JEA Real Estate division (Nancy Kilgo), during meetings with potential purchasers for future development, as the developers assessed the environmental liability of the site. Mr. Wood is currently assisting JEA with the site transition to the new property owner after having the project successfully close for a \$18.7 million property sale as a private developer moves forward to redevelop the site. Under Mr. Wood’s direction, the project team was also able to work with EPA for closure of the PCB-contaminated soil in Area of Concern (AOC) 2, also known as the former East Percolation Pond. Due to our exceptional collaboration with JEA’s real estate division, EPA, and FDEP, our team was able to greatly reduce the environmental liability of the site, allowing JEA to sell the property for a maximum value—\$18.7 million.
- **Project Manager, St. Johns River Power Park (SJRPP) Area II Landfill Closure, JEA, Jacksonville, FL.** Mr. Wood served as JEA’s project manager for CDM Smith and a subconsultant to design, modify the site certification, and provide bidding and construction services for the closure of the Area II landfill at the SJRPP. Mr. Wood also led the stormwater permitting task which resulted in a significant cost savings to JEA by modifying the existing sedimentation control pond at the site, rather than designing and constructing a new stormwater facility specific to the Area II landfill. Mr. Wood also led the design and permitting, which was accomplished through a permit exemption of the paving of a dirt road, for the portion of the road that leaves the SJRPP site and connects to the Area B landfill, which was the new ash landfill coming online after the closure of the Area II landfill. Mr. Wood led our team, collaborating closely with JEA, COJ, FDEP, and SJRWMD, to meet an aggressive schedule since the site was running out of permitted air space. In addition, we quickly obtained a Noticed General Permit allowing JEA to pave a dirt road to the Area B landfill. The roadway design and permitting was fast-tracked to ensure seamless transition of operations, saving JEA more than \$50,000.
- **Project Manager, Devil’s Garden Slough Wetland Reserve Plan of Operation, US Army Corps of Engineers and National Resources Conservation Service, Hendry County, FL.** The Devil’s Garden Slough is a 10,127 acre (15.8 sq. mi.) site just west of the Everglades Agricultural Area (EAA). The NRCS acquired a WRP easement with the landowners for the primary purposes of restoring ecological functions and values, and wildlife habitats within the easement to pre-agricultural conditions. Mr. Wood oversaw the planning, field assessment and survey, H&H modeling, design, permitting, and operations guidance to the NRCS and USACE for the WRP. This was a cooperative effort between the agencies to support the nationwide program.
- **Project Manager, IWRP, St. Johns County Utility Department (SJCUD), FL.** Mr. Wood served as the project manager, teamed with another consultant, to develop an IWRP for third-fastest growing County in Florida. Faced with uncertainty in future Floridan Aquifer withdrawals and growing regional environmental concerns associated with saltwater intrusion and minimum flows and levels for area lakes and springs, He led the development of a systems model using STELLA to simulate

water demands, groundwater, reclaimed water, stormwater, and other water supplies under different hydrologic conditions and risk scenarios. The model tracks storage, reliability, cost, water quality, and environmental impacts. More than 40 different water supply, reclaimed, and stormwater harvesting options were evaluated and bundled into various alternatives using the simulation model. A decision support tool, called Criterium Decision Plus, will then be used to rank alternatives against a set of criteria. He also supported the public outreach and stakeholder involvement portion of the project to include them in the planning process in developing options, evaluation criteria, and selecting the recommended plan.

- **Deputy Project Manager/Task Leader, Water Purification Technology Potable Reuse R&D Study, JEA, Jacksonville, FL.** Mr. Wood is currently serving as Deputy Project Manager and is the Communications Support Task Leader for JEA on this \$2.3 million pilot study to evaluate two treatment trains (RO Based Train and Ozone-BAF Based Train) for a potential potable reuse application for aquifer recharge. As Deputy Project Manager, Mr. Wood is responsible for the overall project scope, schedule and budget of the project and as the Communications Task Leader, Mr. Wood is leading development of Public Outreach and Communications Materials, including an Educational Outreach PowerPoint, Infographic, Fact Sheet, Educational Video and developing a Phase II Integrated Marketing and Communications Plan, as JEA moves forward with implementing a 1 mgd Demonstration Facility.
- **Project Manager, SJRPP Area B Roadway Design and Permitting, JEA, Jacksonville, FL.** Mr. Wood served as the project manager for JEA on this roadway design project. As JEA closed the Area II landfill and transitioned their ash disposal to the Area B landfill, they requested for CDM Smith to design and permit the existing section of dirt road to accommodate high traffic and heavy loads from JEA's continuous ash disposal operations. Mr. Wood coordinated with the City for the section that included a City maintained road (existing portion of Island Drive) and for the acquisition of a specialized ERP (under 62-341.448, F.A.C) that allowed for fast-tracking the project. Mr. Wood led the design team, which included establishing the horizontal and vertical alignments, coordinating the right-of-way (ROW), developing the design drawings using Florida Department of Transportation (FDOT) standard specifications, acquiring geotechnical data, and developing a topographic survey. Mr. Wood also led the permitting acquisition by coordinating with both the FDEP and the SJRWMD as this project fell under a unique jurisdiction due to it being regulated under the Power Plant Siting Act.
- **Project Engineer, Continuing Environmental Services Contract, Jacksonville Aviation Authority (JAA), Jacksonville, FL.** Mr. Wood has worked on JAA's Stormwater Pollution Prevention Program (SWPPP) every year since 2010. Additionally, under our previous Environmental Consulting Contract he has assisted with JAA's Herlong Airport Parcel Environmental Assessment, responsible for evaluating the presence or absence of contaminants in subject parcels. He also assisted JAA in conducting a limited environmental evaluation exit audit for the private lease property, Building 818 at Cecil Airport. Mr. Wood has served as project engineer for JAA's Cecil Commerce Center Master Stormwater Management Plan.
- **Project Manager, Savannah Harbor Expansion Project (SHEP) Raw Water Storage Impoundment (RWSI) Design, City of Savannah, GA.** CDM Smith was selected by United States Army Corps of Engineers (USACE), Savannah District to design a 97-million gallon (MG) RWSI to provide additional system storage for the City's water supply system. The RWSI was proposed as an environmental mitigation component of the harbor expansion. Mr. Wood served as the project manager on this \$1.7 million design project with construction expected to begin in 2015. The project includes a 26-foot-high four-sided embankment with high density polyethylene (HDPE) liner for raw water storage, four 500-horsepower (hp) vertical turbine pumps, powdered activated carbon injection system, and two solar-powered reservoir circulators. Mr. Wood also provided the USACE with permitting support that included a dam-break analysis and coordination with the Georgia Department of Natural Resources Safe Dams Program due to the impoundment's proximity to a large residential development and I-95.



## Eric J. Grotke, PE, BCEE

### Emerging/Thermal Conversion Technologies; Solid Waste Master Planning

Years of Exp.	31 Years
City of Residence	Longwood, FL
Education	BS – Civil Engineering
Registration	Professional Engineer (FL)
Certification	Board Certified Environmental Engineer (BCEE), American Academy of Environmental Engineers and Scientists

- **Officer-in-Charge, Plasma Arc Waste Gasification Facility, St. Lucie County, FL.** Mr. Grotke served as officer-in-charge for assistance to St. Lucie County with contract negotiation efforts, financial analysis, evaluation, and emission review for the proposed 660 ton per day (tpd) facility. The facility was to receive and gasify all incoming waste and accommodate mined waste from the existing site.
- **Officer-in-Charge, INEOS New Planet Bio-Energy Ethanol Project, Vero Beach, FL.** Mr. Grotke served as officer-in-charge for the proposed waste-to-ethanol project in Indian River County on property adjacent to the County's landfill site. CDM Smith assists with site plan development, environmental permit application preparation, and DOE and USDA grant application preparation to support the facility. Additionally, CDM Smith teamed with a local contractor to provide design-build services for the vegetative feedstock preparation areas. Services include design of scales, feedstock mulching area, windrow areas, and interior roadways. CDM Smith procured all necessary permits to support the project.
- **Officer-in-Charge, Emergency Compliance Assistance, St. Lucie County, FL.** Mr. Grotke served as the officer-in-charge for the Emergency Compliance Assistance project that provides emergency services related to the solid waste system at the St. Lucie County Baling and Recycling Facility site. Duties included assisting St. Lucie County with miscellaneous emergency tasks including non-routine maintenance/repairs to the landfill operations, landfill gas collection system, and/or the landfill gas compression system. Tasks also included responding to Florida Department of Environmental Protection (FDEP) routine inspections and requirements, leachate management, Startup, Shutdown and Malfunction Plan compliance, Emergency Leachate Surface Water Discharge Permit compliance, and other miscellaneous permitting and permit compliance activities.
- **Officer-in-Charge, Bimini Bay Solid Waste Master Plan (SWMP), Bimini Bay, Bahamas.** CDM Smith worked on the SWMP for Bimini Bay Islands which is to accommodate new resorts development, commercial and business districts, and civic and tourists centers. These developments are planned as part of a 20-year master development plan for the Islands. The SWMP addressed waste collection, recycling, waste minimization, waste treatment, and disposal. The master plan was developed in two phases. Phase 1 covering short term needs (two – five years) and Phase 2 for long term (five – 20 years) to complement the master development plan for the Island. Tasks included the review of existing solid waste records and information, obtain and review existing landfill design information, perform population and waste generation projections for long term, prepare financial analysis/implementation plan identifying key elements and associated capital and operations costs as appropriate, and to prepare a report summarizing the performed work.
- **Project Manager, Central County Transfer Station, Palm Beach County, FL.** Mr. Grotke managed CDM Smith team members assisting with preliminary and final design of the Central County (Lantana Road) transfer station for the SWA. Working with RCT Engineering, Inc. CDM Smith attended the design preference workshop for the facility and was responsible for HVAC, fire protection, plumbing, and civil/stormwater and grading design activities, along with permitting assistance services associated with state and local requirements. CDM Smith also provided technical review assistance at the 30, 60, and 90 percent design plan development stages for structural, architectural, electrical, and civil disciplines. CDM Smith provided construction services for the project, including shop drawing review, response to contractor questions, and periodic site visits in assistance to RCT. Currently, CDM Smith also completed design and construction services for conversion of the previous transfer station to a recyclable processing facility. CDM Smith also performed quarterly construction audits for the project.

- **Officer-in-Charge, Landfill Gas Header and Pump Installation, St. Lucie County, FL.** Mr. Grotke was the officer-in-charge for the installation a landfill gas collection header to connect ten previously constructed vertical collection wells in the Class I landfill to the landfill gas collection system. The project included constructing 610 lf of 10-inch HDPE header pipe, 610 lf of 8-inch HDPE header pipe, 165 lf of 14-inch HDPE header pipe, 275 lf of 4-inch of HDPE lateral pipe, installing five landfill wellheads, and connections to the existing header system. The project also included purchasing and installing five solar powered electric piston pumps in selected landfill gas extraction wells to extract liquids that are collecting in the wells. Services included performing an initial and a follow-up adjustment of the new wellheads to optimize the flow and quality of the landfill gas to be delivered to the landfill gas collection system. The project resulted in an increase of the total landfill gas flow rate that is pulled to the compression/flare system and routed to a treatment system before eventual sale/use at the neighboring citrus processing facility for beneficial use.
- **Officer-in-Charge, Title V Air Operation Permit Renewal, St. Lucie County, FL.** Mr. Grotke served as the officer-in-charge for the renewal of the Title V Air Operation Permit for the St. Lucie County Baling and Recycling Facility in accordance with 40 CFR 60 Subpart WWW New Source Performance Standards (NSPS) for Municipal Solid Waste Landfills. The Title V Air Operation Permit contains all the requirements for landfill gas collection and control system design, performance, monitoring, record keeping, and reporting requirements.
- **Officer-in-Charge, Contamination Assessment and Hydraulic Control System, St. Lucie County, FL.** Mr. Grotke has been involved with groundwater analysis studies and development and implementation of a hydraulic control system to capture contamination identified at the Glades Road landfill site. The system consists of three shallow extraction wells with disposal to the municipal wastewater system to satisfy FDEP consent order.
- **Officer-in-Charge, Leachate Forcemain, St. Lucie County, FL.** Mr. Grotke was the officer-in-charge for the design, permitting, bidding, and construction services for the leachate transmission forcemain at the St. Lucie County Baling and Recycling Facility. CDM Smith designed and permitted the 9,000-foot long high-density polyethylene forcemain. The team's responsibilities also included observation of progress and quality of work by the contractor, reviewed and approved shop drawings and submittals, issued instructions and clarifications of the contract documents, reviewed and recommended payments to the contractor, verified the work was completed in accordance with the contract documents, and project/quality management.
- **Officer-in-Charge, Class I Landfill Partial Closure, St. Lucie County, FL.** Mr. Grotke served as the officer-in-charge for the design, permitting, bidding, and construction services for the partial closure of the Class I Landfill Phases and II and IIIA at the St. Lucie County Baling and Recycling Facility. CDM Smith's scope included assistance with the design and permitting of the 40-acre closure cap system, landfill gas collection system improvements and expansion, and stormwater management system improvements; bid documents to obtain bids from qualified contractors to construct the project, evaluated the bids, and recommended award of the contract; observation of progress and quality of work by the contractor, reviewed and approved shop drawings and submittals, issued instructions and clarifications of the contract documents, reviewed and recommended payments to the contractor, verified the work was completed in accordance with the contract documents, and project/quality management.
- **Project Manager/Officer-in-Charge, Fairwinds Golf Course Improvements, St. Lucie County, FL.** Mr. Grotke assisted St. Lucie County with design-build services to excavate and install liners under all of the golf course's greens in order to relieve the impacts from hydrogen sulfide from the underlying closed landfill. CDM Smith procured specialty subcontractors to place liners, greens mix, and seeding for the project.
- **Officer-in-Charge, St. Lucie County Baling and Recycling Facility Annual Permit Compliance, St. Lucie County, FL.** Mr. Grotke serves as the officer-in-charge for the St. Lucie County Baling and Recycling Facility Annual Permit Compliance project. The project includes annual water quality monitoring, analysis, and reporting; annual aerial survey and financial responsibility update; annual leachate collection pipes survey and evaluation; Title V reporting; and continuing consulting services related to the solid waste system.
- **Officer-in-Charge, Floating Flexible Membrane Leachate Pond Covers, St. Lucie County, FL.** Mr. Grotke served as the officer-in-charge for the preparation of an RFP, which was advertised by St. Lucie County, for the design and construction of a floating flexible membrane cover system for two leachate holding ponds at the St. Lucie County Baling and Recycling Facility. The scope of services included permitting, bidding, and construction services for the proposed floating flexible membrane covers.



# Kevin N. Vann, PE, PMP, BCEE

## Recycling/Transfer Facilities; Solid Waste Master Planning

Years of Exp.	18 Years
City of Residence	Vero Beach, FL
Education	ME – Environmental Engineering
Registration	Professional Engineer (FL)
Certification	Board Certified Environmental Engineer (BCEE), American Academy of Environmental Engineers and Scientists; Project Management Professional (PMP)

- **Senior Project Manager, Single-Stream Recyclables Processing Facility, St. Lucie County, FL.** Mr. Vann was the senior project manager responsible for design, permitting, bidding, and construction oversight of the new Recyclables Processing Facility, which houses single-stream recyclables sorting equipment. The project included survey, a subsurface investigation, preparation of design drawings, preparation of contract documents, permitting assistance (stormwater, site plan, and solid waste), bidding assistance, construction oversight, and project/quality management.
- **Senior Project Manager, Class I Landfill Phase IVA Expansion and Phase IIIB Partial Closure, St. Lucie County, FL.** Mr. Vann is serving as the senior project manager for the design, permitting, bidding, and construction services for the Class I landfill Phase IVA Expansion and Phase IIIB Partial Closure project at the St. Lucie County Baling and Recycling Facility. This project includes a bottom liner and leachate collection system for a 9-acre cell, a 3.5-acre closure cap liner system, a leachate lift station and transmission forcemain, landfill gas system expansion and improvements, and stormwater collection and management facilities. Mr. Vann is responsible for leading the design team, managing the project and subconsultants, performing quality technical reviews, and delivering the project to meet St. Lucie County's expectations. Mr. Vann will also be responsible for leading the services during construction phase of the project, which includes reviewing and approving submittals and applications for payment, resident project representative and geosynthetics construction quality assurance services, and observing the progress and quality of work by the contractor.
- **Senior Project Manager, National Pollutant Discharge Elimination System (NPDES) Compliance Assistance, St. Lucie County, FL.** Mr. Vann served as the senior project manager for the NPDES Compliance Assistance project. This project assisted St. Lucie County in maintaining compliance with the NPDES permit compliance activities by sampling the stormwater discharge after qualifying rainfall events when the stormwater pond is discharging, coordinating St. Lucie County's laboratory to have the samples analyzed, and preparing and submitting Discharge Monitoring Reports (DMRs). Tasks also included inspecting stormwater pond levels to determine if it is discharging, attending NPDES compliance inspections, and other miscellaneous NPDES compliance activities.
- **Senior Project Manager, Emergency Compliance Assistance, St. Lucie County, FL.** Mr. Vann served as the senior project manager for the Emergency Compliance Assistance project that provides emergency services related to the solid waste system at the St. Lucie County Baling and Recycling Facility site. Duties included assisting St. Lucie County with miscellaneous emergency tasks including non-routine maintenance/repairs to the landfill operations, landfill gas collection system, and/or the landfill gas compression system. Tasks also included responding to the Florida Department of Environmental Protection (FDEP) routine inspections and requirements, leachate management, Startup, Shutdown and Malfunction Plan compliance, Emergency Leachate Surface Water Discharge Permit compliance, and other miscellaneous permitting and permit compliance activities.
- **Senior Project Manager, Baling and Recycling Annual Operations Assistance, St. Lucie County, FL.** Mr. Vann serves as the senior project manager for the St. Lucie County Baling and Recycling Facility Annual Operations Assistance project. The project includes semi-annual water quality monitoring, analysis, and reporting; annual aerial survey and financial assurance/responsibility update; leachate collection pipes survey and evaluation; design, installation, O&M, and Title V permit compliance reporting for the landfill gas collection/flare and compression systems; greenhouse gas sampling and reporting; and continuing consulting services related to the solid waste system. Mr. Vann's duties include managing a team responsible for preparing water quality reports; preparing landfill capacity estimates and closure/long term care cost estimates; performing quarterly methane surface sweeps; performing landfill gas collection/flare and compression systems sampling, inspections, balancing, and adjustments; performing routine gas well maintenance, flare downtime resolution, and other non-routine

maintenance; and preparing the annual and semi-annual Title V reports.

- **Senior Project Manager, St. Lucie County Waste Conversion Assistance, St. Lucie County, FL.** CDM Smith was retained by St. Lucie County to assist with miscellaneous professional services in support of project development, contract negotiations, and lease agreement negotiations for a proposed waste gasification facility at the Baling and Recycling Facility site. Mr. Vann was the senior project manager responsible for data collection, contract negotiations assistance, technical evaluation and permit application review, and participation in workshops meetings.
- **Senior Project Manager, Phase IIIB Landfill Gas Horizontal Collectors - Elevation 105 NGVD, St. Lucie County, FL.** Mr. Vann was the senior project manager for the installation of the second row of horizontal landfill gas collectors in Phase IIIB of the Class I landfill, which were installed at Elevation 105 NGVD, at the St. Lucie County Baling and Recycling Facility. The project included installing six rows of 6-inch high-density polyethylene perforated pipes, which were connected to the existing header system. Mr. Vann was responsible for coordinating the installation with St. Lucie County's bale placement activities and managing CDM Smith's field personnel. Duties also included coordination with procurement and delivery of all materials and project/quality management.
- **Senior Project Manager, Solid Waste Operations Permit Renewal Application for the Baling and Recycling Facility, St. Lucie County, FL.** Mr. Vann served as the senior project manager for the renewal of the Solid Waste Operations Permit for St. Lucie County Baling and Recycling Facility, which included a baling facility, C&D debris processing facility, single stream recycling facility, Class I landfill, and a C&D debris landfill. The renewal of the Solid Waste Operations Permit included a modification of the specific conditions to incorporate the operation of the Hydraulic Control System and termination of the Resolution Agreement for the Northeast Corner Contamination Assessment.
- **Senior Project Manager, Landfill Gas Header and Pump Installation, St. Lucie County, FL.** Mr. Vann was the senior project manager for the installation a landfill gas collection header to connect ten previously constructed vertical collection wells in the Class I landfill to the landfill gas collection system. The project included constructing 610 linear feet (lf) of 10-inch HDPE header pipe, 610 lf of 8-inch HDPE header pipe, 165 lf of 14-inch HDPE header pipe, 275 lf of 4-inch of HDPE lateral pipe, installing five landfill wellheads, and connections to the existing header system. The project also included purchasing and installing five solar powered electric piston pumps in selected landfill gas extraction wells to extract liquids that are collecting in the wells. Services included performing an initial and a follow-up adjustment of the new wellheads to optimize the flow and quality of the landfill gas to be delivered to the landfill gas collection system. The project resulted in an increase of the total landfill gas flow rate that is pulled to the compression/flare system and routed to a treatment system before eventual sale/use at the neighboring citrus processing facility for beneficial use. Mr. Vann was responsible for coordinating the construction of the new header system and installation of the solar pumps with a subcontractor and CDM Smith's field personnel. His duties also included project/quality management.
- **Senior Project Manager, Annual Hydraulic Control System Monitoring, St. Lucie County, FL.** Mr. Vann currently serves as the senior project manager for the annual monitoring and reporting of the hydraulic control system project. The hydraulic control system is mitigating the migration of leachate-contaminated groundwater beyond the zone of discharge of the closed Phase I unlined landfill cell at the St. Lucie County Baling and Recycling Facility.
- **Senior Project Manager, Orange Avenue Box Culvert Evaluation, St. Lucie County, FL.** Mr. Vann served as the senior project manager for St. Lucie County evaluation of five existing box culverts located at various places along Orange Avenue in western St. Lucie County. The St. Lucie County Engineering Division did not have record information on the five existing box culverts and retained CDM Smith to clean and inspect them, collect survey data, evaluate their hydraulic performance, and prepare a report summarizing the results evaluation. The report included a preliminary recommendations analysis and a culverts evaluation matrix that documented the condition, purpose and future need of the existing culverts with recommendations and supporting cost information for alternatives including no-build, repair, replacement and/or removal.
- **Senior Project Manager, Solid Waste Operations Permit Renewal Application for the Baling and Recycling Facility, St. Lucie County, FL.** Mr. Vann served as the senior project manager for the renewal of the Solid Waste Operations Permit for St. Lucie County Baling and Recycling Facility, which included a baling facility, C&D debris processing facility, single stream recycling facility, Class I landfill, and a C&D debris landfill. The renewal of the Solid Waste Operations Permit included a modification of the specific conditions to incorporate the operation of the Hydraulic Control System and termination of the Resolution Agreement for the Northeast Corner Contamination Assessment.



# Amy M. Hightower, PE, PMP, BCEE

## Financial Services; Solid Waste Design

Years of Exp.	11 Years
City of Residence	Jupiter, FL
Education	ME – Environmental Engineering
Registration	Professional Engineer (FL)
Certification	Board Certified Environmental Engineer (BCEE), American Academy of Environmental Engineers and Scientists; Project Management Professional (PMP)

- **Task Manager/EOR, Phase IVA Expansion and Phase IIIB Partial Closure, Design, Permitting, Bidding, and Services During Construction, St. Lucie County, FL.** Ms. Hightower served as engineer-of-record for Phase IVA cell totaling 9 acres and Phase IIIB Partial Closure totaling 5 acres for St. Lucie County. She worked on the design of the cell and closure including leachate conveyance calculations to determine pre- and post-settlement slopes, specified the liner and leachate collection/detection system materials, performed HELP modeling, designed the closure liner system and stormwater collection system. Ms. Hightower led the design team to prepare the design drawings and specifications. An application was submitted to FDEP for obtaining a solid waste permit. She oversaw bidding services for the project including bid advertisement, presiding over the mandatory pre-bid bidding, answering addenda, and evaluating bids. Ms. Hightower oversaw the services during construction. She coordinated review of submittals and requests for information and oversaw subconsultants including the resident project representative. She coordinated all communications with the contractor and client project manager and helped preside over the monthly progress meetings. Ms. Hightower prepared the report to certify the construction completion for FDEP.
- **Task Manager/Engineer-of-Record, Segment 3 Cell 2 Expansion, Segment 2 Partial Closure, and Landfill Gas System Expansion, Design, Permitting, Bidding, and Services During Construction, Indian River County, FL.** Ms. Hightower served as engineer-of-record for Segment 3 Cell 2 totaling 10 acres and Segment 2 Partial Closure totaling 25 acres for Indian River County. She worked on the design of the cell and closure including leachate conveyance calculations to determine pre- and post-settlement slopes, specified the liner and leachate collection/detection system materials, performed HELP modeling, designed the closure liner system and stormwater collection system. Ms. Hightower led the design team to prepare the design drawings and specifications. An application was submitted to FDEP for obtaining a solid waste permit. She oversaw bidding services for the project including bid advertisement, presiding over the mandatory pre-bid bidding, answering addenda, and evaluating bids. Ms. Hightower is overseeing the services during construction. She coordinates review of submittals and requests for information and oversees subconsultants including the resident project representative. She coordinates communications with the contractor and client project manager and helps preside over the monthly progress meetings. Ms. Hightower will certify the construction completion for the Florida Department of Environmental Protection (FDEP).
- **Project Manager, Title V Air Operation Permit Renewal, St. Lucie County, FL.** Ms. Hightower served as the project manager for the renewal of the Title V Air Operation Permit for the St. Lucie County Baling and Recycling Facility in accordance with 40 CFR 60 Subpart WWW New Source Performance Standards (NSPS) for Municipal Solid Waste Landfills and 40 CFR 63 Subparts AAAAA, ZZZZ, and JJJJ National Emission Standard for Hazardous Air Pollutants (NESHAP) for the landfill, engines, and generators. The Title V Air Operation Permit contains all the requirements for landfill gas collection and control system design, performance, monitoring, record keeping and reporting requirements.
- **Project Manager, Title V Air Operation Permit Renewal, Martin County, FL.** Ms. Hightower served as the project manager for the renewal of the Title V Air Operation Permit for the St. Lucie County Baling and Recycling Facility in accordance with 40 CFR 60 Subpart WWW New Source Performance Standards (NSPS) for Municipal Solid Waste Landfills and 40 CFR 63 Subparts AAAAA and JJJJ National Emission Standard for Hazardous Air Pollutants (NESHAP) for the landfill and engine generators. The Title V Air Operation Permit contains all the requirements for landfill gas collection and control system design, performance, monitoring, record keeping, and reporting requirements.

- **Project Manager, Routine Permit Compliance, Martin County, FL.** Ms. Hightower serves as project manager for the Martin County Palm City II Landfill routine permit compliance project. The project includes updating closure and long-term care costs; preparation and submittal of landfill gas migration reports; National Pollutant Discharge Elimination System (NPDES) reporting and monitoring assistance; maintaining the Palm City II landfill gas system; monitoring and reporting for Title V Air Permit; and the US Environmental Protection Agency (EPA) required Greenhouse Gas (GHG) monitoring and reporting.
- **Project Manager, Annual Full Cost Accounting and Financial Assurance Reporting, Indian River County, FL.** Ms. Hightower serves as project manager for the project which includes full cost accounting study and reporting, topographic survey and airspace assessment, financial assurance reporting, and general technical assistance.
- **Project Manager, Solid Waste Long- Range Planning Analysis - Phase I Comprehensive Plan Evaluation, Martin County, FL.** Ms. Hightower served as project manager for the evaluation of Martin County's solid waste disposal programs. She oversaw the preparation of a report evaluating the County's current disposal agreement and alternative options including cost analysis. This report was prepared in accordance with the requirements in the County's Comprehensive Plan.
- **Project Manager, On-Call Air Permitting Assistance, Solid Waste Authority of Palm Beach County (SWA), Palm Beach County, FL.** Ms. Hightower serves as project manager for the on-call air permitting assistance project which includes assistance on NSR permitting; PSD permitting; review or update of BACT analysis; review or update of emissions calculations; air construction permitting; NSPS compliance; Title V operating permits; preparation of permit documents or other permit-related correspondence; and coordination with the client, permitting agencies, or other consultants.
- **Project Manager, Vegetative Waste Loading Area Design, Permitting, and Bidding Services, SWA, Palm Beach County, FL.** Ms. Hightower served as the project manager for the design of a vegetative waste loading area for SWA. The project consisted of the design, permitting, and bidding of a loading ramp and concrete pad to load transfer trailers with yard waste. As project manager, she managed the SBE design subconsultants and served as the client's point of contact.
- **Project Manager/Engineer-of-Record (EOR), Landfill Gas System On-Call Services, SWA, Palm Beach County, FL.** Ms. Hightower served as the project manager for the annual on-call services contract for SWA. She assisted with any on-call services related to the landfill gas and compression systems. As part of this project, CDM Smith was tasked with design of expansions and improvements to the landfill gas (LFG) collection system including new vertical wells, horizontal collectors, collection pipes, and force main for the Class I landfill. Ms. Hightower served as EOR and worked with the team to prepare design drawings for these projects that were designed in 2014 and 2016. She oversaw the construction of the improvements and worked to prepare record drawings utilizing the as-built survey.
- **Project Manager/EOR, Class I Landfill Cells 15 and 16 Lateral Expansion and Eastern Perimeter Road Design, Bidding, and Services During Construction, SWA, Palm Beach County, FL.** Ms. Hightower served as EOR for Class I Cells 15 and 16 totaling 24 acres for SWA. She worked on the design of the cells including conducting leachate conveyance calculations to determine pre- and post-settlement slopes, specified the liner and leachate collection/detection system materials, performed HELP modeling, coordinated with material suppliers for testing, and conducted ash sampling for further geotechnical analysis. Ms. Hightower worked with the team to prepare the design drawings and specifications. An application was submitted to Florida Department of Environmental Protection (FDEP) for obtaining a solid waste permit. She oversaw bidding services for the project including bid advertisement, presiding over the mandatory pre-bid bidding, answering addenda, and evaluating bids. Ms. Hightower oversaw the services during construction for Class I Landfill Cells 15 and 16 and the Eastern Perimeter Road for SWA.
- **Project Manager/EOR, Dyer Landfill Six-Inch Force Main Replacement, Design, Permitting, Bidding, and Services during Construction, SWA, Palm Beach County, FL.** Ms. Hightower served as the project manager and EOR for the replacement of the six-inch leachate force main that runs under Florida's Turnpike for SWA. The force main was replaced using horizontal directional drilling. Ms. Hightower prepared design plans and specifications. She oversaw the geotechnical and survey subconsultants. She also prepared the required permit applications for FDEP and the Florida Department of Transportation (FDOT). During construction, she served as project manager and coordinated with the construction manager and RPR. She oversaw submittal review and performed site inspections.
- **Project Manager, Greenhouse Gas Reporting, SWA, Palm Beach County, FL.** Ms. Hightower served as the project manager and lead technical engineer for the preparation and submittal of the greenhouse gas reporting for these for the Palm Beach Renewable Energy Park, Lantana Landfill, and Dyer Landfill sites in accordance with 40 CFR 98. She conducted all the required calculations and input the data into EPA's e-GGRT reporting system.





# Aamod Sonawane, PE, PMP, BCEE

## Technical Advisor

Years of Exp.	20 Years
City of Residence	Brandon, FL
Education	MS – Environmental Engineering; BE – Civil Engineering
Registration	Professional Engineer (FL)
Certification	Board Certified Environmental Engineer (BCEE), American Academy of Environmental Engineers and Scientists; Project Management Professional (PMP)

- **Technical Advisor, Class I Landfill Phase IVA Expansion and Phase IIIB Partial Closure, St. Lucie County, FL.** Mr. Sonawane served as the technical advisor for the design, permitting, bidding, and construction services for the Class I landfill Phase IVA Expansion and Phase IIIB Partial Closure project at the St. Lucie County Baling and Recycling Facility. This project includes a bottom liner and leachate collection system for a 9-acre cell, a 3.5-acre closure cap liner system, a leachate lift station and transmission forcemain, landfill gas system expansion and improvements, and stormwater collection and management facilities. Mr. Sonawane was responsible for reviewing deliverables from the design team, performing quality technical reviews, and ensuring the project meets St. Lucie County's expectations.
- **Technical Advisor, Segment 3 Cell 2 Expansion, Segment 2 Closure, and Landfill Gas (LFG) System Expansion, Indian River County, FL.** CDM Smith provided final design, permitting, bidding, and construction phase services for the Segment 3 Cell 2 Expansion, Segment 2 Partial Closure, and Landfill Gas System Expansion, which was completed in multiple phases. The design included the Segment 3 Cell 2 bottom liner system, leachate collection and conveyance systems, and stormwater management facilities; Segment 2 partial closure cap liner system and stormwater management facilities; and the Segment 2 LFG system expansion. Mr. Sonawane is responsible for reviewing deliverables from the design team, performing quality technical reviews, and ensuring the project meets Indian River County's expectations.
- **Project Manager, Bridgeway Acres (BWA) Class I Landfill Side Slope Closure, Pinellas County, FL.** CDM Smith provided professional engineering services for the design and permitting of the closure cap system for the side slopes of the West Landfill. The design consisted of a final cap liner system, stormwater management system, passive gas management system, and two permanent access roads. Mr. Sonawane's duties for this closure design project included overseeing the design of the landfill grading, closure liner cap, gas management system, stormwater management system, drawing and specifications development, and permit document preparation. His responsibilities also included conducting project coordination meetings; as well as coordinating resource management and day-to-day project management activities.
- **Project Manager, Underdrain Systems Improvements for the Toytown Class I Closed Landfill, Pinellas County, FL.** The purpose of the underdrain system was to maintain water levels inside the slurry wall lower than those outside of the slurry wall to mitigate potential discharges of contaminants from the closed landfill. Maintenance of the resulting inward gradient was required by the current operating permit. Design and bidding services for the project included five new pump stations, more than 13,400 lf of 8-inch diameter underdrain (including manholes, cleanouts, and select trench backfill material), and more than 13,400 lf of 4-inch diameter and 6-inch diameter force mains. Mr. Sonawane's responsibilities included preparing drawings and specifications; securing permits; conducting project coordination meetings; as well as coordinating resource management and day-to-day project management activities.
- **Regional Quality and Performance Manager, Independent Consulting Services for Solid Waste Landfill and Landfill Related Activities, Pinellas County, FL.** CDM Smith provided independent consulting engineering services for Pinellas County in support of the Bridgeway Acres Class I Landfill. CDM Smith services included water quality monitoring and reporting, landfill operations support, regulatory compliance and reporting, National Pollutant Discharge Elimination System (NPDES) permitting, geotechnical engineering, site inspections, landfill operations support, landfill contract review and compliance review, design of repairs and site improvements, planning, financial assurance cost estimating, surveying, and preparing 3D renderings and promotional videos. Mr. Sonawane's responsibilities included project performance and quality governance.

- **Project Manager, Bridgeway Acres Class I Landfill Operations Permit Renewal, Pinellas County, FL.** Mr. Sonawane served as the project manager for CDM Smith to prepare the Operation Permit Renewal Application for the BWA Class I Landfill. While securing the operation permit, Mr. Sonawane assisted the County in obtaining variances from setback requirement for the side slopes and the daily cover requirement in the nonputrescible disposal area.
- **Project Manager, Transfer Station Facility Annual Inspection Report, Hillsborough County, FL.** As part of CDM Smith's contract with Hillsborough County, CDM Smith inspected two transfer stations, the Northwest Transfer Station and the South County Transfer Station, and prepares the annual facility inspection report. The Northwest Transfer Station (NWTs) and the South County Transfer Station (SCTS) serve as the hubs for the coordination of commercial and residential municipal solid waste collection throughout Hillsborough County. Mr. Sonawane served as project manager for the development of this report, which is used by the County to identify improvements to be made for the following year.
- **Project Manager/Construction Manager, East Pasco Infill Area Closure, Pasco County, FL.** Mr. Sonawane's duties for this closure design project included the design of the landfill grading, closure liner cap, gas management system, stormwater management system, drawing and specifications development, and preparation of the permit documents. He was the project manager responsible for providing closure liner cap design for the infill area located in the Karst environment. Geotechnical investigations performed under Mr. Sonawane's direction included: evaluating slope stability and settlement of the infill area under final closure conditions; developing design parameters for subsurface soil layers and major landfill components; performing global slope stability analyses of the proposed landfill after final closure under static conditions; performing veneer stability analyses; and estimating remaining settlement of waste. His duties also included periodic meetings with Florida Department of Environmental Protection (FDEP) to secure the construction approval. As a construction manager, Mr. Sonawane's duties included overseeing construction of the cap closure, liner QA/QC, conducting monthly progress meetings, reviewing shop drawings and pay requests, answering RFIs, reviewing conformance test results for liners, and preparing certification of construction completion.
- **Project Manager/Construction Manager, Ash Cell A-4 (Class I) Landfill Expansion Project, Pasco County, FL.** Mr. Sonawane's duties for this ash landfill expansion project included the design of the landfill expansion, bottom grading, Subtitle D liner, leachate collection system, leachate pumping station, and stormwater collection system. He also ran HELP models for leachate volume generation, prepared drainage/grading plans, developed drawings and specifications, prepared bid documents, answered technical questions from the potential bidders, and coordinated day-to-day project management activities. His duties also included periodic meetings with FDEP to secure the construction approval, and overseeing construction of the cell expansion, liner QA/QC, conducting monthly progress meetings, reviewing shop drawings and pay requests, answering RFIs, reviewing conformance test results for liners, and preparing certification of construction completion.
- **Project Manager, Landfill Permit Renewal Applications, Pasco County, FL.** Mr. Sonawane managed projects involving Class I, Class III, solid waste transfer station, and waste tire permit renewals for Pasco County. His duties included meeting with FDEP and the client for collecting data, upgrading the landfill operations plan, collecting and tabulating data, performing volume calculations, and writing reports.
- **Project Manager, Various Solid Waste Projects, Pasco County, FL.** Mr. Sonawane is managing solid waste projects for Pasco County, which include waste-to-energy (WTE) operation and maintenance, groundwater and leachate monitoring, leachate treatment plant equipment bidding, and other miscellaneous, as-needed tasks. His duties also include preparation of annual inspection reports for the County's WTE facilities, transfer station inspections and reports, annual emissions, and Title V fee determination for WTE facilities.



# Cynthia S. Hibbard

## Technical Advisor

Years of Exp.	37 Years
City of Residence	Boston, MA
Education	MS – Environmental Engineering

- **Technical Advisor, Title V Air Operation Permit Renewal, St. Lucie County, FL.** Ms. Hibbard serves as the technical advisor for the renewal of the Title V Air Operation Permit for the St. Lucie County Baling and Recycling Facility in accordance with 40 CFR 60 Subpart WWW New Source Performance Standards (NSPS) for Municipal Solid Waste Landfills. The Title V Air Operation Permit contains all the requirements for landfill gas collection and control system design, performance, monitoring, record keeping and reporting requirements. She is responsible for reviewing draft permit submittals prior to submittal to the permitting agencies.
- **Technical Advisor, Annual Permit Compliance Monitoring and Reporting, Indian River County, FL.** Ms. Hibbard serves as the technical advisor for the Indian River County Landfill annual permit compliance monitoring and reporting project. The project included semi-annual water quality monitoring, analysis, and reporting; annual Title V permit compliance reporting; and general technical and miscellaneous permit compliance reporting services related to the solid waste system. Specifically, she is responsible for reviewing the annual Title V permit compliance reporting deliverables.
- **Technical Advisor, Title V Air Operation Permit Renewal, Martin County, FL.** Ms. Hibbard serves as the technical advisor for the renewal of the Title V Air Operation Permit for the Martin County Palm City II Transfer Station and Landfill site in accordance with 40 CFR 60 Subpart WWW NSPS for Municipal Solid Waste Landfills. She is responsible for reviewing the Title V Air Operation Permit, which contains all the requirements for landfill gas collection and control system design, performance, monitoring, record keeping, and reporting requirements.
- **Technical Advisor, Plasma Arc Waste Gasification Facility, St. Lucie County, FL.** Ms. Hibbard served as technical advisor for assistance to St. Lucie County with contract negotiation efforts, financial analysis, evaluation, and emission review for the proposed 660 ton per day (tpd) facility. The facility was to receive and gasify all incoming waste and accommodate mined waste from the existing site. She was responsible for review of the proposed facility emissions.
- **Task Manager, Pre-Construction Air Permit, INEOS New Planet BioEnergy Facility, Indian River County, FL.** INP BioEnergy constructed a demonstration facility for a patented new technology to produce 8 million gallons per year (8 MGY) of fuel-grade ethanol from vegetative waste. Ms. Hibbard worked successfully with the Florida Department of Environmental Protection (FDEP) to obtain a flexible air permit that allowed different types of fuels (municipal solid waste and vegetative waste), a consolidated start-up notification schedule, and the ability to make some design changes during facility shake-down without modifying the permit. Ms. Hibbard and the CDM Smith team supported INEOS' public outreach by participating in a public workshop to provide project and environmental information to neighbors. Ms. Hibbard and the project team also assisted the client in the pursuit and successful award of a \$50M grant from the US Department of Energy for the BioEnergy Facility and a \$75M loan guarantee from the US Department of Agriculture.
- **Technical Advisor, Regulatory Compliance, Reporting and Permitting, Pinellas County, FL.** Every year, we prepare and submit the updated Nonmethane Organic Compound (NMOC) Emissions Calculation Report and the Remaining Site Life Report for the Bridgeway Acres Class I Landfill to the FDEP. Ms. Hibbard reviewed the submittal for the renewal of the County's NPDES permit in February 2014.
- **Technical Advisor, Title V Permit Renewal, Pasco County, FL.** Ms. Hibbard reviewed a minor revision to the Title V air construction permit for the Pasco County WTE. The permit application included a minor air construction revision and Prevention of Significant Deterioration (PSD) revision as well as the five-year Title V permit renewal for concurrent review.

- **Technical Advisor, Trail Ridge Landfill Phase 6: Landfill Gas System Design and Permitting, City of Jacksonville, FL.** For the City of Jacksonville, Ms. Hibbard is providing technical advisory services for the design and permitting of the landfill gas collection system for a 31-acre lined cell at Trailridge Landfill. The project includes design of horizontal collection wells and associated blowers and flare system. Specifically, Ms. Hibbard is reviewing the application for a modification of the Title V Operating Permit for a Major Prevention of Significant Deterioration (PSD) Source. The permit modification includes the new gas collection equipment as well as two leachate evaporators, associated burners, and ancillary equipment.
- **Technical Advisor, Charlotte County Department of Environmental Services, Zemel Road Landfill, Charlotte County, FL.** CDM Smith provided assistance to Charlotte County in preparing a facility response plan (FRP) for a landfill gas-to-energy project for the Zemel Road Landfill, proposal review and evaluation, and recommendation for contract award based on technical, financial, and past performance evaluation of the considered firms. Ms. Hibbard is assisted the County in renewal of the Title V permit for the Zemel Road Landfill, as well as compliance of groundwater monitoring and reporting activities with FDEP regulations.
- **Task Manager, PSD Air Permit Modification Applications, Hillsborough County, FL.** Ms. Hibbard prepared the PSD air permit applications and successfully negotiated permits for two separate facility improvements at the Hillsborough County Waste-to-Energy (WTE) Facility. She also was part of the team that obtained approved modifications to the facility's Florida Power Plant Site Certification for these two projects. The first upgraded air pollution control equipment to comply with the New Source Performance Standards and Emissions Guidelines for Municipal Waste Combustors. The second project was for the construction of a new 600-tpd boiler, which would be the facility's new Unit 4. For both of these PSD Air Permit Applications, Ms. Hibbard performed all of the emissions modeling and was task manager for the dispersion modeling, regulatory compliance demonstrations, and air permit application preparation. She also coordinated the control technology assessments, and served as liaison with the FDEP to negotiate permit conditions.
- **Task Manager, Prevention of Significant Deterioration (PSD) Air Permit Modification for Biosolids Pelletization Facility, Palm Beach County, FL.** For the PSD and Power Plant Site Certification Modification Applications for the biosolids pelletization facility, Ms. Hibbard either conducted or led emissions calculations, dispersion modeling, compliance demonstrations, regulatory applicability analyses, air pollution control technology evaluations, and permit application preparation. She also worked with Solid Waste Authority to negotiate air permit conditions and to apply for an extension of the PSD permit amendment to allow for a longer construction period.
- **Task Manager, Waste-to-Energy Facility Air Permit Applications, City of Tampa, FL.** Ms. Hibbard prepared the PSD air permit applications, and successfully negotiated permits for two waste-to-energy facilities: the Tampa McKay Bay Resource Recovery Facility, and the Hillsborough County, FL, Resource Recovery Facility. Both are existing plants that upgraded their air pollution control equipment to comply with the New Source Performance Standards and Emissions Guidelines for Municipal Waste Combustors. The Tampa Facility is also undergoing a major renovation to replace and update aging and/or undersized equipment. Ms. Hibbard performed all of the emissions modeling, and served as task manager for the dispersion modeling, regulatory compliance demonstrations, and air permit application preparation. She also coordinated the control technology assessments.
- **Technical Expert, Eco-Complex Biomass Gasification Energy Project, Catawba County, NC.** Ms. Hibbard and the CDM Smith team are working with Catawba County, a private developer, and the North Carolina Department of Environment and Natural Resources (NCDENR) to obtain an air permit for an innovative bioenergy facility that would gasify discarded wood pallets or clean vegetative waste, and produce syngas that would be combusted in a combined heat and power (CHP) plant. The Biomass Gasification Energy Project would be located at the Catawba County Blackburn Landfill Eco-Complex, where a pallet manufacturer is also located, and where vegetative waste is available. Steam produced by the Project would be used by other facilities in the Eco-Complex. The air permit application included a greenhouse gas (GHG) Best Available Control Technology (BACT) analysis, a BACT analysis for both criteria and toxic air pollutants, a toxic air pollutant risk screening analysis, and a regulatory applicability analysis. Ms. Hibbard and the team have worked successfully with NDENR to obtain a determination that the feedstock material will be regulated as a "fuel" rather than as a "waste" under EPA's Non-Hazardous Secondary Material (NHSM) Rule. This significant accomplishment will allow more flexible emissions limits for this state-of-the-art facility.



# Daniel E. Strobridge, QEP

## Technical Advisor

Years of Exp.	43 Years
City of Residence	Tampa, FL
Education	BS – Environmental Sciences
Registration	Qualified Environmental Professional, Institute of Professional Environmental Practice

- **Lead Practitioner, Baling and Recycling Facility, Design, Permitting, Bidding, and Construction Services, St. Lucie County, FL.** Mr. Strobridge served in a lead practitioner role that provided technical direction and review of the design, permitting, bidding, services during construction, and startup assistance for a baling and recycling facility in St. Lucie County. The facility, which was intended to help extend the life of the landfill, was the first of its kind in the state of Florida and incorporates enhanced recycling program elements. The facility is also designed to serve as a transfer station in the future, once the existing site reaches build out capacity. *The project received the Honorable Mention Award from the Florida Institute of Consulting Engineers (FICE) for Engineering Excellence in 2002.*
- **Client Service Leader, Independent Consulting Engineer for Pinellas County Resource Recovery System, Pinellas County, FL.** As client service leader, Mr. Strobridge directed tasks to develop Requests for Qualifications (RFQs), a qualified bidder's list, and an RFP for the procurement of the new operator of the Pinellas County Waste-to-Energy (WTE) Facility in anticipation of the operations and maintenance (O&M) contract expiration in 2007. The facility went into commercial operation in 1983, processes 3,000 tpd of municipal solid waste, and generates 75 megawatts of electrical energy, which is sold to Florida Progress Energy. In 2014, the new operator decided to exit the WTE business and CDM Smith was again tasked to develop a procurement process to hire another facility operator and perform \$150M in facility refurbishments and system replacements.
- **Lead Practitioner/Client Service Leader, Independent Consulting Engineer for the Resource Recovery Facility, Hillsborough County, FL.** Mr. Strobridge serves in the lead practitioner and officer-in-charge roles that provide technical direction and review as part of CDM Smith's contract with Hillsborough County. On behalf of the County as the Independent Consulting Engineer, CDM Smith conducts periodic inspections of the WTE Facility, as well as annual inspections of the County's two transfer stations, maintains a punch list listing deficiencies at the WTE Facility, monitors air quality testing and reporting from the WTE Facility, attends monthly operations meetings and other meetings as required, completes modifications and renewal of the Facility's Title V air emissions permit, provides other general consulting services, as needed to assist the County, and conducts a physical inventory and listing of the County owned assets at the Facility.
- **Project Manager/Client Service Leader, Independent Consulting Engineer for Pasco County Resource Recovery System, Pasco County, FL.** Since 1991 when the facility commenced commercial operations, Mr. Strobridge has provided assistance to the County on its solid waste management system performance, periodic inspection of mechanical systems, review of operating records and maintenance logs, and advising the County on matters related to its solid waste management system. Mr. Strobridge manages the CDM Smith team responsible for preparing, at the end of each contract year, a report summarizing the year's operation and maintenance indicating satisfactory or unsatisfactory operation, levels of Performance, and identifying measures required for implementation to correct any deficiencies.
- **Client Service Leader, Independent Consulting Services for Solid Waste Landfill and Landfill Related Activities, Pinellas County, FL.** CDM Smith provided independent consulting engineering services for Pinellas County in support of the Bridgeway Acres Class I Landfill. CDM Smith services included water quality monitoring and reporting, landfill operations support, regulatory compliance and reporting, National Pollutant Discharge Elimination System (NPDES) permitting, geotechnical engineering, site inspections, landfill operations support, landfill contract review and compliance review, design of repairs and site improvements, planning, financial assurance cost estimating, surveying, and preparing 3D renderings and promotional videos.

- **Client Service Leader, Bridgeway Acres Class I Landfill Side Slope Closure, Pinellas County, FL.** Mr. Strobridge was the client service leader for the design, permitting, and service during construction for the closure of approximately 30 acres of the Bridgeway Acres Class I Landfill. The project included the design of the cap closure system, stormwater management system, gas management system, and a new sanitary sewer forcemain.
- **Client Service Leader, Underdrain Systems Improvements for the Toytown Class I Closed Landfill, Pinellas County, FL.** For Pinellas County, Mr. Strobridge served as client service leader on the 13,400-foot underdrain system design, permitting, and construction. The project consisted of approximately 13,400 linear feet of underdrain slotted PVC piping, 13,400 linear feet of HDPE force main, and five pump stations.
- **Client Service Leader, Integrated Solid Waste Management System Master Plan, Pasco County, FL.** Mr. Strobridge served as client service leader for the 2016 Integrated Solid Waste Management System Master Plan to provide proposed strategies for managing Pasco County's solid waste over the next 15 years. This plan revised the 2002 Pasco County Solid Waste Master Plan and presented policies, recommendations, and goals in the following areas: solid waste system planning, waste prevention and recycling, collection and processing, the transfer system, solid waste disposal and landfill management, and system financing. CDM Smith also updated the Pasco County Solid Waste Management Model (rate model). The model includes financial analyses, modeling of solid waste rates, projections of tonnages, revenues, and expenses, and a breakdown of individual programs showing the budget requirements for each.
- **Lead Practitioner, Design-Build Operation of a Mass Burn WTE Facility, Solid Waste Authority of Palm Beach County (SWA), FL.** Mr. Strobridge served in a lead practitioner role that provided technical direction and review for the \$120M portion of the design and construction of the new \$672M, 3,000-tons per day (tpd) mass burn WTE facility. CDM Smith's scope of work included design and construction of the Tipping Building, Air Pollution Control Building, Ash Management Building, Maintenance Building, Sky Bridge, and a LEED® Platinum Certified Visitor Center. Additional scope includes cladding and roofing of the Refuse Handling Building, Boiler Building, Water Treatment Building, and Turbine Generator Building. The project also included the design and construction one of the largest rain water harvest systems in the US comprising of a rainwater collection system from 7 acres of roof area. The design and construction of onsite roadways, drainage, utilities, water storage tank, landscaping, grading, and fencing was also part of our scope of work.
- **Lead Practitioner/Officer-in-Charge, Transfer Station Facility Annual Inspection Report, Hillsborough County, FL.** Mr. Strobridge served in lead practitioner and officer-in-charge roles that provide technical direction and review as part of CDM Smith's contract with Hillsborough County. CDM Smith inspects two transfer stations, the Northwest Transfer Station and the South County Transfer Station, and prepare the annual facility inspection report. The Northwest Transfer Station (NWTs) and the South County Transfer Station (SCTS) serve as the hubs for the coordination of commercial and residential municipal solid waste collection throughout Hillsborough County. This report is used by the County to identify improvements to be made for the following year.
- **Client Service Leader, Groundwater Monitoring Report, Citrus County, FL.** Mr. Strobridge served as client service leader for oversight of groundwater sampling and preparing semi-annual groundwater monitoring reports for the Citrus County Class I Landfill.
- **Lead Practitioner, Transfer Station Design, Permitting, Bidding, and Construction Services, Martin County, FL.** Mr. Strobridge served in a lead practitioner role that provided technical direction and review of the preliminary design, final design, permitting, and construction services for a solid waste transfer station at the Palm City II Landfill site for Martin County. The County planned to close the landfill site and transfer waste to a nearby facility in lieu of continuing operations adjacent to a growing residential community. The facility design features included a two-story transfer station building with two drop chutes, an adjacent two-story administration building, emergency power supply system, and an isolated residential customer waste disposal area. Traffic flow in, out, and around the facility was designed for customer, County staff, emergency vehicle, and transfer trailer maneuverability.
- **Project Manager, Design-Build-Operate Procurement Services for Ash Refuse-to-Energy Reuse Facility, City of Tampa, FL.** The City of Tampa had previously investigated the feasibility of beneficially using the ash residue from the McKay Bay Refuse-to-Energy Ash Reuse Facility. For this project, Mr. Strobridge developed ash reuse vendor procurement documents and evaluated their responses.
- **Project Manager, Solid Waste Management Facility, Alachua County, FL.** Mr. Strobridge served as project manager for the Phase I facilities design and permitting for Alachua County's new solid waste complex. These facilities include a Class I landfill featuring wet cell technology, site access and utilities, equipment/maintenance, and employee facilities.



## Kurt K. Westerlund, PhD, PE

### Permitting/Regulatory Compliance; Solid Waste Permitting

Years of Exp.	7 Years
City of Residence	Raleigh, North Carolina
Education	PhD – Environmental Engineering
Registration	Professional Engineer (FL)
Certification	OSHA 40-hour HAZWOPER

- **Project Engineer, Class I Landfill Phase IVA Expansion and Phase IIIB Partial Closure, St. Lucie County, FL.** Dr. Westerlund assisted with the design, permitting, and bidding for both the expansion of a new landfill cell and for the partial closure of an existing side slope at the St. Lucie County Baling and Recycling Facility. The expansion includes a bottom liner and leachate collection system for a 10-acre cell, a leachate pump station and transmission forcemain, and stormwater management facilities. The partial closure includes a 3.5-acre final cover system, expansion of the landfill gas system, stormwater controls, and leachate management. Dr. Westerlund assisted in running Hydrologic Evaluation of Landfill Performance (HELP) model simulations to determine the hydrologic performance of the bottom liner design, in addition to other various liner, leachate collection system, and civil calculations. Additionally, he helped with the creation of design drawings, the writing of specifications, bid documents, and the preparation of permit application forms as well as quality control of all of the above. Dr. Westerlund also assisted with the services during construction phase of the project, which included reviewing and approving submittals and applications for payment, resident project representative and geosynthetics construction quality assurance services, and observing the progress and quality of work by the Contractor.
- **Project Engineer, Annual Operations Assistance, St. Lucie County, FL.** Dr. Westerlund assists with the annual operations assistance services for the St. Lucie County Baling and Recycling Facility. The project includes semi-annual water quality monitoring, analysis, and reporting; annual aerial survey and financial assurance/responsibility update; leachate collection pipes survey and evaluation; design, installation, O&M, and Title V permit compliance reporting for the landfill gas collection/flare and compression systems; greenhouse gas sampling and reporting; and continuing consulting services related to the solid waste system. Dr. Westerlund's duties include assisting with preparing water quality reports; preparing landfill capacity estimates and closure/long term care cost estimates; performing quarterly methane surface sweeps; performing landfill gas collection/flare and compression systems sampling, inspections, balancing, and adjustments; performing routine gas well maintenance, flare downtime resolution, and other non-routine maintenance; and preparing the annual and semi-annual Title V reports.
- **Project Engineer, Landfill Gas Management Program, St. Lucie County, FL.** Dr. Westerlund assists with providing services for the Title V electronic annual operating report (EAOR) for the St. Lucie County Baling and Recycling Facility. Additionally, Dr. Westerlund assists St. Lucie County in complying with the EPA's GHG Mandatory Reporting Rule by providing monitoring and reporting services for the Class I and Class III landfills at the Baling and Recycling Facility. He has helped calculate the emissions from the facilities and prepared record documents for the client.
- **Project Engineer, Hydraulic Control System, St. Lucie County, FL.** The hydraulic control system project mitigates the migration of leachate-contaminated groundwater beyond the zone of discharge of the closed Phase I unlined landfill cell at the St. Lucie County Baling and Recycling Facility. Dr. Westerlund's duties include participation, documentation, and reporting of the systems operation.
- **Project Engineer, Landfill Gas Horizontal Collectors, St. Lucie County, FL.** Dr. Westerlund helped construct six 6-inch high-density polyethylene (HDPE) perforated horizontal collection wells at the St. Lucie County Baling and Recycling Facility. Tasks included scheduling, coordination of materials, construction, and management of field activities.

- **Project Engineer, Landfill Gas Vertical Collectors, St. Lucie County, FL.** Dr. Westerlund was responsible for coordinating the installation of multiple 12-inch HDPE perforated collection wells at the St. Lucie County Baling and Recycling Facility.
- **Project Engineer, Leachate Chlorination and Filtration Study, St. Lucie County, FL.** Dr. Westerlund assisted with this study by conducting leachate sample gathering and subsequent chlorination testing. He also helped in constructing and maintaining a pilot scale leachate filtration skid, and then performed flow and pressure monitoring of the system.
- **Project Engineer, Segment 3 Cell 2 Expansion, Segment 2 Partial Closure, and Landfill Gas System Expansion, Design, Permitting, Bidding, and Services During Construction, Indian River County, FL.** Dr. Westerlund assisted with the design, permitting, bidding, and services during construction for both the expansion of a new landfill cell and for the partial closure of an existing segment at the Indian River County Landfill. The expansion includes a bottom liner and leachate collection system for a 10-acre cell, a leachate pump station and transmission forcemain, and water service line. The partial closure includes a 25-acre final cover system, expansion of the landfill gas collection and control system, stormwater controls, and a paved access road. Dr. Westerlund assisted in various liner, leachate collection system, and civil calculations. Additionally, he helped with the creation of design drawings, the writing of specifications, bid documents, and the preparation of permit application forms as well as quality control of all of the above. Dr. Westerlund has helped oversee the services during construction, including coordination of submittal reviews and field inspections.
- **Project Engineer, Annual Permitting Services, Indian River County, FL.** Dr. Westerlund assists with the annual services for the Indian River County Landfill. The project includes full cost accounting study and reporting, topographic survey and airspace assessment, financial assurance reporting, Title V reporting, and general technical assistance.
- **Project Engineer, Routine Permit Compliance, Martin County, FL.** Dr. Westerlund assists with the routine permit compliance services for the Martin County Palm City II Landfill. The project includes updating closure and long-term care costs; preparation and submittal of landfill gas migration reports; National Pollutant Discharge Elimination System (NPDES) reporting and monitoring assistance; maintaining the gas system; Title V monitoring and reporting; and general technical assistance.
- **Project Engineer, Leachate Evaluation, Martin County, FL.** Dr. Westerlund evaluated the quality of the leachate at the Martin County Palm City II Landfill. He helped determine if there could be any potential issues associated with disposing of the leachate at a local wastewater treatment facility, and also evaluated if there were conflicts with the local pre-treatment limit standards. Additionally, recommendations were made to the County on water quality parameters of concern and potential impacts to the activated sludge process at the treatment facility.
- **Project Engineer, Landfill Gas Flare Replacement, Martin County, FL.** Due to a decrease in the amount of landfill gas generated at the closed Martin County Palm City II Landfill, a smaller 350 scfm flare was installed to replace the old 2000 scfm flare. Dr. Westerlund assisted with the Title V air construction permitting and helped coordinate field services for the new replacement flare.
- **Project Engineer, Solid Waste Long-Range Planning, Martin County, FL.** Dr. Westerlund assisted with the evaluation of Martin County's solid waste disposal programs. A report was prepared that evaluated the County's current disposal agreement and alternative options, including cost analyses. The report was prepared in accordance with the requirements in the County's Comprehensive Plan.
- **Project Engineer, Scale House and Entrance Road Design and Permitting, Brevard County, FL.** Dr. Westerlund assisted with the design, permitting, and bidding of this three-phase project at the Brevard County Central Disposal Facility which included a new scale house facility with three above-ground truck scales, a half mile entrance road, and County roadway improvements for public safety. Included in the design was a new scale house building, truck scales, waste reporting system, supporting utilities, stormwater treatment, covered solar panel parking, and an entrance road.
- **Project Engineer, Greenhouse Gas Planning, Monitoring, and Reporting, Solid Waste Authority of Palm Beach County (SWA), FL.** Dr. Westerlund assists SWA in complying with the EPA's GHG Mandatory Reporting Rule by providing monitoring and reporting services for the landfills, yard waste processing activity, and Biosolids Pelletization Facility. He has helped calculate the emissions from the facilities and prepared record documents for the client, entering the information into electronic greenhouse gas reporting tool (EPA's e-GGRT).





# Joseph P. Curro, PE, BCEE

## Recycling/Transfer Facilities; Emerging/Thermal Conversion Technologies

Years of Exp.	45 Years
City of Residence	Boston, MA/Fort Pierce, FL
Education	BS – Civil Engineering
Registration	Professional Engineer (FL, RI, MA, WI)
Certification	Board Certified Environmental Engineer (BCEE), American Academy of Environmental Engineers and Scientists

- **Project Engineer, Annual Operations Assistance, St. Lucie County, FL.** Mr. Curro assisted with preparation of the semi-annual Title V reports and statements of compliance for the St. Lucie County landfills. This included analyzing and reviewing data collected by the landfill gas management program. This data included gas well data, surface emissions monitoring data, and flare startup, shutdown, or malfunction (SSM) data. He also worked on preparation and submittal of the greenhouse gas (GHG) reporting for this facilities in accordance with 40 CFR 98.
- **Design Engineer, Landfill Gas Collection and Flaring System Design, St. Lucie County, FL.** Mr. Curro designed a landfill gas collection and flaring system for an operating landfill, including a significant closed and capped area in St. Lucie County. The system was designed to be expanded as the landfill reaches its design capacity. He has designed an expansion of the system that has been constructed to extract landfill gas from a balefill that was constructed over the landfill. He also conducted system startup and compliance monitoring with the flexibility for utilization of landfill gas as boiler fuel for a nearby industrial facility.
- **Senior Process/Mechanical Design Engineer, Municipal Solid Waste Baling Facility, St. Lucie County, FL.** Mr. Curro served as senior process/mechanical design engineer for a 600-ton-per-day (tpd) municipal solid waste baling facility for St. Lucie County, FL. The facility bales mixed municipal waste in two balers, which are fed by dual metering conveyors. The project was undertaken simultaneously with the design of a new balefill and a landfill gas recovery project on the same site.
- **Project Engineer, Landfill Gas Collection and Control Systems Operations and Maintenance (O&M) Support, Solid Waste Authority of Palm Beach County (SWA), FL.** Mr. Curro provided professional services related to the O&M at the North County Resource Recovery Facility. He performs Quality Assurance/Quality Control (QA/QC) on O&M improvements developed by CDM Smith's landfill gas technical staff.
- **Project Engineer, Palm City II Landfill Routine Permit Compliance, Martin County, FL.** Mr. Curro served as a project engineer for this project, assisting with updating closure and long term care costs; preparation and submittal of landfill gas migration reports; National Pollutant Discharge Elimination System (NPDES) reporting and monitoring assistance; maintaining the Palm City II landfill gas system; monitoring and reporting for Title V Air Permits; and the Environmental Protection Agency (EPA)-required GHG monitoring and reporting.
- **Lead Design Engineer, Landfill Gas Collection and Flaring System Design and Construction, Martin County, FL.** Mr. Curro conducted preliminary gas production and emission assessments for a landfill that accepted solid waste and construction and demolition debris in Martin County. He designed and constructed a landfill gas collection and flaring system under a turnkey contract. He also designed and constructed interim odor control measures, which consisted of isolated vent flares for leachate pump stations and system startup and compliance monitoring. Mr. Curro has designed and constructed two expansions of the system, also under turnkey contracts. Mr. Curro is directing a team of field technicians that is monitoring the operation of the system.

- **Project Engineer, Segment 3 Expansion, Segment 2 Closure, and Landfill Gas (LFG) System Expansion, Indian River County, FL.** CDM Smith provided services for the Segment 3 Expansion, Segment 2 Partial Closure, and Landfill Gas System Expansion, which was completed in multiple phases. The design included the Segment 3 Cell 2 bottom liner system, leachate collection and conveyance systems, and stormwater management facilities; Segment 2 partial closure cap liner system and stormwater management facilities, and the Segment 2 LFG system expansion. Mr. Curro provided design services for the Segment 2 LFG system expansion, in particular.
- **Project Engineer, Palm City II LFG Flare Replacement, Martin County, FL.** CDM Smith provided professional engineering services associated with permitting, procuring, and installing a 30 – 300 standard cubic feet per minute (SCFM) skid mounted landfill gas flare system located at the Palm City II Landfill. Mr. Curro provided services to replace the existing LFG flare with a smaller system to accommodate reduced LFG generation rates at the landfill.
- **Lead Project Engineer, Landfill Gas Well Inactivation Plan, SWA, Palm Beach County, FL.** For the Solid Waste Authority of Palm Beach County, Mr. Curro developed the Gas Well Inactivation Plan for the Class I and Class III Landfills at the North County Resource Recovery Facility. Mr. Curro has been responsible for the review of the monthly well monitoring data and the subsequent determination of the gas wells to be inactivated based on the deviations from the regulatory operating parameters.
- **Project Engineer, Landfill Gas Pressurization Skid, Biosolids Pelletization Facility, SWA, Palm Beach County, FL.** For SWA, Mr. Curro developed the basis of design and technical specifications for the procurement of the landfill gas compression skid. He evaluated responses from interested vendors and prepared a recommendation to the Authority. In addition, he provided QA/QC services during the installation, commissioning, and startup of the system.
- **Project Engineer, Surface Emissions Monitoring and Reporting, Biosolids Pelletization Facility, SWA, Palm Beach County, FL.** For the Solid Waste Authority of Palm Beach County, Mr. Curro is providing professional services related to the QA/QC of the surface emissions monitoring and reporting.
- **Project Engineer, Class III Landfill Gas Management System Expansion, Biosolids Pelletization Facility, SWA, Palm Beach County, FL.** For the Solid Waste Authority of Palm Beach County, Mr. Curro provided professional services related to the QA/QC for the design and construction of the Class III Landfill gas collection system expansion.
- **Project Engineer, Class I Landfill Expansion for Cells 1-12 North County Resource Recovery Facility, SWA, Palm Beach County, FL.** Mr. Curro was the design reviewer and was involved with landfill gas systems.
- **Design Reviewer, Landfill Design and Construction Services for Cell Expansion, Pasco County, FL.** Mr. Curro was involved in reviewing a landfill gas system design.
- **Project Engineer, Landfill Design and Construction Services for Cell Expansion – Ash Cell A-4, Pasco County, FL.** Mr. Curro was a design reviewer for the landfill gas system.
- **Project Engineer, Bee Ridge Landfill Closure, City of Sarasota, FL.** Mr. Curro was the lead design engineer and lead practitioner for the landfill gas system design.
- **Senior Project Engineer, Design, Construction, and Start-up of Specialized Combustion Systems, Afterburners, and Fume Incinerators, Various Locations.** Mr. Curro's work in specialized combustion systems includes a senior role in the design, construction, and start-up of numerous on-site special waste incinerators for industry, hospitals (infectious and pathological waste), and applications of afterburners and fume incinerators. He has played a major part in preparing specifications, bid evaluation, inspections during construction, and other aspects of implementation of CDM Smith's resource recovery facilities in Windham, Connecticut; Durham, New Hampshire; Bristol, Connecticut; Hillsborough County, Florida; and Lancaster County, Pennsylvania. He has also drawn on his broad applied combustion and furnace-related experience in supporting numerous CDM Smith projects involving troubleshooting of a combustion system, start-up and operations assistance, and operator training.



# David J. Hightower, BCES, PMP

## Solid Waste Design

Years of Exp.	17 Years
City of Residence	Jupiter, FL
Education	BS – Environmental Systems Management
Registration	Board Certified Environmental Scientist (BCES), American Academy of Environmental Engineers & Scientists
Certification	40-hour OSHA HAZWOPER; OSHA HAZWOPER Supervisor

- **Senior Scientist, Phase IVA Expansion and Phase IIIB Partial Closure, Design, Permitting, Bidding, and Services During Construction, St. Lucie County, FL.** Mr. Hightower designed the landfill gas (LFG) system improvements and expansion for Phase IIIB. He worked with the team on preparing the landfill gas plans and specifications. During construction, he provided oversight of the vertical well drilling and installation of the landfill gas system components.
- **Senior Scientist/Task Manager, Annual Operations Assistance, St. Lucie County, FL.** Mr. Hightower is providing professional services related to the LFG wellfield monitoring and regulatory reporting activities at the St. Lucie County Class I Landfill. He provides services to operate and maintain the LFG collection system and LFG compression system to deliver LFG for offsite beneficial use. He leads the field team to conduct monthly wellhead monitoring, surface emission monitoring, and all required maintenance activities for optimization of the LFG collection system. Other services provided by Mr. Hightower include visible emission testing, LFG collection system expansions, Title V reporting, greenhouse gas sampling/reporting, and various other aspects of landfill operations.
- **Senior Scientist, Hydraulic Control System, St. Lucie County, FL.** Mr. Hightower is a project scientist for the hydraulic control system project, which mitigates the migration of leachate-contaminated groundwater beyond the zone of discharge of the closed Phase I unlined landfill cell at the St. Lucie County Baling and Recycling Facility. Mr. Hightower's duties include performing field collection of groundwater data and assisting maintaining the system to achieve optimum treatment of contaminated groundwater.
- **Project Scientist, Phase IIIB Horizontal LFG Horizontal Collectors, St. Lucie County, FL.** Mr. Hightower oversaw the installation of the Phase IIIB horizontal landfill gas collectors at the St. Lucie County Baling and Recycling Facility. The project included installing multiple rows of 6-inch high-density polyethylene perforated pipes at elevations 50 ft (2011) and 105 ft (2016), which were connected to the existing LFG collection system. Mr. Hightower was responsible for coordinating the installation with St. Lucie County's bale placement activities and managing CDM Smith's field personnel.
- **Senior Scientist, Segment 3 Cell 2 Expansion, Segment 2 Partial Closure, and Landfill Gas System Expansion, Design, Permitting, Bidding, and Services During Construction, Indian River County, FL.** Mr. Hightower designed the landfill gas system improvements and expansion for Segment 2. He worked with the team on preparing the landfill gas plans and specifications. During construction, he provided oversight of the vertical well drilling and installation of the landfill gas system components.
- **Senior Scientist, Permit Compliance Monitoring, Indian River County, FL.** Mr. Hightower is providing professional services related to the monitoring and regulatory reporting activities at the Indian River County Landfill. Services provided by Mr. Hightower include coordinating visible emission testing, LFG migration monitoring, Title V reporting, and various other aspects of landfill operations.
- **Senior Scientist/Task Manager, Routine Permit Compliance, Martin County, FL.** Mr. Hightower is providing professional services related to the monitoring and regulatory reporting activities at the Martin County Palm City II Landfill. He provides operations and maintenance support of the LFG collection system. He leads the field team to conduct monthly wellhead monitoring, surface emission monitoring, and all required maintenance activities. Other services provided by Mr. Hightower include visible emission testing, Title V reporting, greenhouse gas sampling/reporting, and various other aspects of landfill operations.

- **Project Manager, Class I Landfill Flare Replacement, Martin County, FL.** Mr. Hightower served as the project manager for the replacement of the flare at the Martin County Palm City II Landfill. The project consisted of flare design and procurement; Title V air permitting; and flare installation, startup, and testing.
- **Senior Scientist, Trail Ridge Landfill Phase 6 Landfill Gas System, City of Jacksonville, FL.** Mr. Hightower is assisting with the design of the landfill gas system for Phase 6 of the Trail Ridge Landfill including preparation of plans and specifications and review of the KY Pipe modeling. The design includes horizontal collectors and associated header piping and condensate management system.
- **Senior Scientist, Biosolids Pelletization Facility (BPF) Annual Audit and Inspection, Solid Waste Authority of Palm Beach County (SWA), FL.** As part of the annual audit and inspection of the BPF, Mr. Hightower inspects landfill gas flare and compression system which provides landfill gas to the BPF. He prepares an inspection report that is included in the annual audit report.
- **Project Scientist, Bridgeway Acres Class I Landfill Tier 2 Report, Pinellas County, FL.** Mr. Hightower provided professional services related to the Tier 2 testing and reporting activities at the Bridgeway Acres Class I Landfill. He organized and conducted Tier 2 field testing for Non-Methane Organic Compounds (NMOC) emissions calculations in accordance with New Source Performance Standards (NSPS) requirements and assisted with preparation of the regulatory report.
- **Senior Scientist, Greenhouse Gas Reporting, SWA, Palm Beach County, FL.** Mr. Hightower provides professional services related to the greenhouse gas reporting for the Palm Beach Renewable Energy Park, Lantana Landfill, and Dyer Landfill sites in accordance with 40 CFR 98. He conducts the required LFG sampling at the Class I, Class III, and Dyer Landfills, coordinated laboratory testing, and coordinated collection of the LFG flow data.
- **Senior Scientist, LFG System Design, Operation and Maintenance (O&M), SWA, Palm Beach County, FL.** For the Solid Waste Authority of Palm Beach County, Mr. Hightower provided professional services related to the design, permitting, construction, reuse, and O&M of the LFG collection and control systems. Services included design review and optimization, Title V permitting, LFG quality and reuse evaluations, and day-to-day operations and maintenance support. As part of this project, CDM Smith was tasked with design of expansions and improvements to the LFG collection system including new vertical wells, horizontal collectors, collection pipes, and force main for the Class I landfill. Mr. Hightower led the team to prepare design drawings for these projects that were designed in 2014 and 2016. He oversaw the construction of the improvements.
- **Project Manager, Landfill Gas Well Inactivations, SWA, Palm Beach County, FL.** Mr. Hightower served as the project manager for with the monthly gas well inactivation meetings for the Solid Waste Authority of Palm Beach County. He reviewed the Class I and Class III gas well data for compliance with NSPS and to determine the inactive and active wells for each month. He conducted the monthly inactivation meetings where he reviewed the list of inactive wells and recommends appropriate action. As part of the meeting, he worked with the team to make operational recommendations for the landfill gas system. Mr. Hightower also conducted the annual flare testing for the Class I and Class III landfills.
- **Project Manager, Surface Emissions Monitoring and Reporting, Class I and Class III Landfills, SWA, Palm Beach County, FL.** For the Solid Waste Authority of Palm Beach County, Mr. Hightower provided professional services related to the performance of the Surface Emissions Monitoring and Reporting required by NSPS. He served as project manager and coordinates the quarterly sweeps, reviews the field data, and develops the semi-annual report. He provided coordination of remonitoring and exceedance remediation activities with the client when needed.
- **Project Scientist, LFG Collection and Control Systems O&M Support, North County Resource Recovery Facility (NCRRF), SWA, Palm Beach County, FL.** Mr. Hightower provided support to SWA for operation and maintenance of the Class I and Class III gas wellfield, flare, compression system, and related equipment. He assisted with troubleshooting any equipment problems and wellfield issues and recommended and implemented corrective action.
- **Project Scientist, LFG Pressurization Skid Installation, Biosolids Pelletization Facility, SWA, Palm Beach County, FL.** For the Solid Waste Authority of Palm Beach County, Mr. Hightower provided professional services related to the installation of the landfill gas compression skid equipment and site improvements required to accommodate the equipment. He oversaw the installation of the equipment and the startup and commissioning activities of the landfill gas compression skid.
- **Liner Construction Quality Assurance Inspector, Class I Landfill Closure Cells 1 through 6, SWA, Palm Beach County, FL.** For the Solid Waste Authority, Mr. Hightower performed inspection and record keeping activities to ensure liner construction quality assurance during the closure of the Class I landfill.



# Diane C. Kemp

## Financial Services

Years of Exp.	36 Years
City of Residence	Bradenton, FL
Education	BA – Economics and Accounting

- **Financial Specialist, Financial Analysis Services, St. Lucie County, FL.** Since 2007, Ms. Kemp has provided a variety of financial assessment and issue resolution services for the St. Lucie County Utilities and Solid Waste departments. As part of annual permit compliance services for the County's Solid Waste Engineering Services contract, she provides annual financial responsibility/assurance updates. In addition, for the County's Utilities Engineering Services contract, Ms. Kemp has provided financial services for annual inspection reports and permit renewal packages for the South Hutchinson Island Wastewater Treatment Plant (WWTP).
- **Financial Specialist, Falkenburg Road Complex – Power Distribution Analysis, Hillsborough County, FL.** Hillsborough County requested CDM Smith's services to provide an analysis of distributing electricity from its Resource Recovery Facility (RRF) located at 350 N Falkenburg Road to all County owned facilities on the same property. Currently, the RRF is supplying power to the Woodberry Pump Station, Falkenburg Wastewater Treatment Plant, Brandon Service Operations Center (BSOC), and Central Hillsborough Water Treatment Facility. The remaining facilities are Falkenburg Road Jail, East Central Warehouse Facility, Animal Services Facility, Public Utilities Department Lab, Public Safety Operations Center (PSOC), a new Chiller Plant, and a Sports complex. Currently power for these facilities is provided by Tampa Electric Company (TECO). As part of this analysis, Ms. Kemp is providing financial assistance services for this project.
- **Financial Specialist, Independent Consulting Engineer for Pinellas County Resource Recovery System, Pinellas County, FL.** Ms. Kemp served as the financial specialist on this project. The facility went into commercial operation in 1983, processes 3,000 tons per day (tpd) of municipal solid waste, and generates 75 megawatts of electrical energy, which is sold to Florida Progress Energy. In 2014, the new operator decided to exit the waste-to-energy (WTE) business and CDM Smith was again tasked to develop a procurement process to hire another facility operator and perform \$150M in facility refurbishments and system replacements. Also from 2005 through the present, CDM Smith has provided operations and maintenance monitoring and reporting for this facility.
- **Financial Specialist, Independent Consulting Engineer for Pasco County Resource Recovery System, Pasco County, FL.** Ms. Kemp serves as financial specialist. Services include quarterly inspections of the Resource Recovery Facility (RRF) process and update of the ongoing punch list, annual inspection of the RRF site and buildings, monitoring of air quality testing and reporting, permitting assistance, preparation and attendance at monthly meetings, project management (monthly invoices and status reports), and other services requested by the client. An annual inspection report is also prepared to summarize and document the key performance parameters of the RRF facility.
- **Financial Specialist, Independent Consulting Engineering Services for Solid Waste Disposal and Resource Recovery Systems, Hillsborough County, FL.** Ms. Kemp has assisted Hillsborough County with various aspects of services for its solid waste management system. The majority of the tasks involved reviewing and assisting the County in evaluating the financial ability of the system to meet bond covenants. The annual budget and rate model prepared by the County were used to review for revenue sufficiency with the proposed solid waste rates.
- **Project Manager, Solid Waste Rate Model and Engineers Bond Report, Hillsborough County, FL.** Hillsborough County has both WTE and landfill facilities as well as an extensive array of transfer stations and community disposal facilities. Hillsborough County uses residential assessments as a primary revenue source in addition to tip fees from commercial haulers for solid waste, recycling, tires, and yard waste. The community disposal facilities accept waste from County residents that are too rural to be served by franchised haulers and also offer hazardous waste recycling services, additional recycling services and white goods disposal. Ms. Kemp has been instrumental in updating the County solid waste model that develops a ten-year projection of revenue requirements and rates. Ms. Kemp was also in charge of the latest bond issue for solid waste system improvements (\$160M revenue bond).

- **Financial Specialist, Solid Waste and Resource Recovery Revenue Bonds Series 2006A and 2006B, Hillsborough County, FL.** Ms. Kemp prepared financial operational performance for a five-year historical basis and a ten-year projection. The operating revenue was developed with the residential assessment units and rates, commercial and municipal tonnage and fees, and energy revenue information presented in both detail and summary format. The operating expenses were developed with regard to the contractual unit costs times the projected units of service in both detail and summary format. The historical debt service coverage table was provided, as well as the ten-year projection of coverage. The assumptions for the revenue and expense were provided.
- **Financial Specialist, Solid Waste Master Plan Update, Pasco County, FL.** As part of the master plan update for the County, Ms. Kemp assisted in developing WTE alternatives, including layouts, facility capital and operating costs and pro forma annual cost and revenue projections over the 20-year planning period.
- **Financial Specialist, Solid Waste Master Plan, St. Johns County, FL.** Ms. Kemp provided financial assistance for this master planning exercise to establish the County's long-term strategic plan for continued development and operation of their solid waste management program. The master planning activities included an assessment of current infrastructure condition, development of a Capital Improvement Plan (CIP) and policy initiatives to meet long-term goals; analysis of the County's fiscal plans for solid waste assessments and CIPs; and facilitation of a public outreach program targeted to County management, interested stakeholders, and residents.
- **Financial Analyst, Landfill Tip Fee and Collection System Cost Allocation, Collier County, FL.** The Collier County project involved the calculation of both a tip fee and a collection system cost (including the disposal costs). The solid waste system costs were allocated to various functional areas (landfill, biomass, tires, construction and demolition [C&D], sludge recycling, hazardous waste and scale house/transfer stations), with a separate tip fee calculated for each function. The collection system cost calculation involved allocating the costs to several franchise districts and calculating the cost of disposal per household. The objective of the rate study was to determine the impact of expanded services and capital projects on a per household basis.
- **Financial Specialist, Business Plans for Solid Waste and Water Systems, Bay County, FL.** Ms. Kemp prepared a business plan for both the solid waste and water systems. The solid waste system analysis was critical due to 1) the expiration of an Infrastructure Sales Surtax and 2) the ending of the energy capacity payment program, resulting in a revenue decrease of approximately \$13M annually. The tip fees were calculated separately by source (solid waste, yard waste, C&D, septage etc.), recommended that Infrastructure Sales Surtax be reinstated and revenue sharing between the County and the solid waste contractor and private landfills (C&D providers) be explored.
- **Financial Specialist, Waste-To-Energy (WTE) Analysis for Solid Waste System, Columbus, GA.** Ms. Kemp evaluated the cost of waste disposal for the following options: waste disposal with a material recycling facility (MRF); composting of yard waste; addition of landfill gas collection and electrical generation equipment; and waste disposal with a WTE Facility (300, 600 and 750 ton-per-day capacities). The impact of each of these options was expressed as a cost per ton. For the WTE facility, the cost was also expressed as a cost per residence. For the WTE option, a sensitivity analysis was prepared to determine the expense or revenue item that had the greatest impact on the results (sensitivity items included finance interest, capital cost, electric revenue, and renewable energy credit revenue).
- **Financial Specialist, Waste-To-Energy (WTE) Analysis for Solid Waste System, Riyadh, Kingdom of Saudi Arabia (KSA).** Ms. Kemp prepared a Waste-to-Energy (WTE) financial model that allows the overall costs of a modern massburn waste-to-energy facility which generates renewable electricity from the combustion of municipal solid wastes (MSW) to be estimated using various input parameters. The overall estimated cost of electricity from WTE was then compared with the fuel cost of electricity produced by combustion of petroleum oil as a function of market value of oil. This analysis identified a breakeven point in which electricity from WTE is equivalent in cost to the market value of petroleum. For market conditions in which the value of oil exceeds the breakeven point, there are economic gains to be realized by the production of electricity from WTE which allows greater revenues to be earned on the sale of petroleum oil to the marketplace. The WTE financial analysis modeling tool developed by CDM Smith allows a simple evaluation to compare the cost of electricity produced from WTE versus oil. The base case input parameters have been based upon recent WTE experiences in the US. The model has the ability for making adjustments to certain cost input parameters based upon local conditions in the KSA.



# Seth M. Nehrke, PE, DWRE

## Stormwater/Civil Design

Years of Exp.	19 Years
City of Residence	Denver, CO
Education	MS – Civil Engineering; BA – Environmental Studies
Registration	Professional Engineer (FL, CO, GA, LA, MS, TX)
Certification	Diplomate, Water Resources Engineer (DWRE), American Academy of Water Resources Engineers; FDEP Qualified Stormwater Management Inspector

- **Technical Specialist, Phase IVA Expansion and Phase IIIB Partial Closure, St. Lucie County, FL.** Mr. Nehrke served as a technical specialist for the stormwater drainage design and environmental resource permitting tasks. He reviewed the design plans, drainage calculations and modeling, permit application, and the final environmental resource permit.
- **Technical Reviewer, Recyclables Processing Facility, St. Lucie County, FL.** Mr. Nehrke acted as a technical resource for the design development, permitting, and analysis of the stormwater system at the St. Lucie County Recyclables Processing Facility. He reviewed hydrologic and hydraulic models to simulate existing and proposed conditions, ensuring that the facility complied with all pertinent stormwater regulations.
- **Task Manager, Baling and Recycling Facility-Design, Permitting, Bidding and Construction Services for the Class I Landfill, Phase IIIA, St. Lucie County, FL.** Mr. Nehrke acted as task manager for the conceptual design development, permitting, and analysis of the stormwater system at the St. Lucie County Baling and Recycling Facility. He developed hydrologic and hydraulic models to simulate existing and proposed conditions, ensuring that the facility complies with all pertinent stormwater regulations.
- **Permitting, Palm City II Landfill Cell 2 Closure and Gas Collection System Services During Construction, Martin County, FL.** Mr. Nehrke was responsible for Environmental Resource Permit (ERP) permitting for construction, demolition and vegetative debris for the processing station.
- **Project Engineer, Northern Expansion Property Conceptual ERP Services, Indian River County, FL.** Mr. Nehrke worked directly on conceptual design development, permitting, and analysis for the northern property expansion for the Indian River County Solid Waste Management facility. He took the lead with data collection pertaining to topography, rainfall data, land use, soils, and stormwater infrastructure, along with other project hydrogeometric properties. His responsibilities included model set-up, control measure evaluation, alternative investigation, statistical analysis, report writing, and permitting.
- **Task Manager/Engineer-of-Record, Trail Ridge Landfill Permitting and Design, City of Jacksonville, FL.** Mr. Nehrke served as task manager and engineer of record for the design, permitting, and analysis of the stormwater system for the expansion of the City of Jacksonville Trail Ridge Landfill. His team developed hydrologic and hydraulic models, using SWMM and ICPR, to simulate existing and proposed conditions, as well as ensured that the facility complies with all pertinent stormwater regulations. Mr. Nehrke oversaw the development of an area-wide model used to develop site boundary conditions and establish Federal Emergency Management Agency (FEMA) base flood elevations adjacent to the project.
- **Project Manager/Engineer-of-Record (EOR), Stormwater Design and Permitting, Brevard County, FL.** Mr. Nehrke is the project manager for \$1.5M in services as well as the EOR for both the conceptual and phase 1 construction design development, permitting, and analysis of the stormwater system at the Brevard County US 192 Landfill Facility. He developed hydrologic and hydraulic models to simulate existing and proposed conditions, ensuring that the facility complies with all pertinent stormwater regulations. He performed continuous simulation hydrologic modeling to demonstrate potential wetlands impacts to support the project design and permitting efforts.

- **Technical Reviewer, New Scalehouse and Entrance Road for the Central Disposal Facility, Brevard County, FL.** Mr. Nehrke acted as a technical resource for the design development, permitting, and analysis of the stormwater system at the Brevard County Central Disposal Facility. He reviewed design plans as well as hydrologic and hydraulic models to simulate existing and proposed conditions, ensuring that the facility complied with all pertinent stormwater regulations.
- **Engineer-of-Record, Area II Landfill Closure Design and Permitting – St. Johns River Power Park, JEA, Jacksonville, FL.** Mr. Nehrke acted as the engineer-of-record for the design, permitting, and analysis of the stormwater system for the closure of JEA's St. Johns River Power Park Area II coal ash landfill. He developed the hydrologic and hydraulic model, using ICPR, to simulate existing and proposed conditions, as well as ensuring that the facility complies with all pertinent stormwater regulations.
- **Task Manager/EOR, Stormwater Design and Permitting, Solid Waste Authority of Palm Beach County (SWA), FL.** Mr. Nehrke acted as task manager and engineer-of-record for the conceptual design development, permitting and analysis of the stormwater system at SWA's Western Landfill Facility. He developed hydrologic and hydraulic models to simulate existing and proposed conditions, as well as ensuring that the facility complies with all pertinent stormwater regulations. He also provided stormwater modeling and technical oversight with respect to the alternative site assessment.
- **Project Engineer, Stormwater Management System Inventory, Inspections and Mapping, Florida Department of Transportation (FDOT) District 4, FL.** Mr. Nehrke assisted FDOT District Four with the inventory, inspecting, and mapping of their stormwater systems in Martin, St. Lucie, and Indian River Counties. This involved obtaining and reviewing plans, inspecting outfalls, adding new system information to the existing inventory, and entering data into the Stormwater Management Information Database System for mapping the new systems. Field data was collected with global positioning system (GPS) equipment to locate all of the storm sewer inlets, manholes, and outlets. The map is a requirement for the Phase II National Pollutant Discharge Elimination System (NPDES) stormwater regulations.
- **Project Engineer, NPDES Compliance, FDOT District 4, FL.** Mr. Nehrke assisted with the advancement of the FDOT District 4 NPDES municipal separate storm sewer (MS4) Geographic Information System (GIS) database. He performed stormwater pond and stormwater system outfall inventories and inspections, and helped develop stormwater facility inspection sheets. Additional responsibilities included aiding the client to meet both Phase I and Phase II NPDES permit requirements.
- **Project Engineer, Conceptual Design and Master Planning Projects, Various Locations, Florida and Georgia.** Mr. Nehrke worked directly on conceptual design development, permitting, and analysis for various projects including the City of Clewiston Water Treatment Plant, the Indian River, St. Lucie, Martin, Pasco, Pinellas, and DeKalb County Landfills, and the Indian River North County Hobart Water Treatment Plant.
- **Task Manager/EOR, Natural Resources Conservation Service (NRCS) Wetland Reserve Plan of Operation (WRPO), Hendry and Okeechobee Counties, FL.** Mr. Nehrke served as task manager and EOR for the design, permitting, and analysis of three WRPOs for the US Army Corps of Engineers (USACE)/Natural Resources Conservation Service (NRCS). The Starvation Slough site covered approximately four square miles with four major conveyances flowing to the Kissimmee River, the ABC Ranch Flaghole site comprises approximately seven square miles with eight major ditch systems, while the Devil's Garden site covered approximately 16 square miles with nine major ditch systems and four above ground reservoirs. The goal of WRPOs was to develop cost-effective ecosystem restoration plans that will return sites to historic, natural ecological conditions that existed prior to agricultural manipulation. Mr. Nehrke performed hydraulic and hydrologic modeling using the SWMM, Hydrologic Simulation Program Fortran (HSPF), and Soil, Plant, Atmosphere and Water (SPAW) modeling software to provide a comprehensive analysis of existing conditions as well as future improvement alternatives. Mr. Nehrke was also the EOR for the design plans and specifications that were developed to support the restoration of the two WRPO projects.





# John C. (Jack) McHugh III

## Construction Services

Years of Exp.	28 Years
City of Residence	Lakeland, FL
Education	AAS – Construction Management and Contracting
Certification	Geosynthetic Certification Institute Geosynthetic and Clay Liner Inspector; Liner Integrity Surveys TRI/I Corp.
Training	Hazardous Waste Operator, Material Training; EPA Refrigerant Transition and Recovery Program, Types I and II; GRI Certified Liner Installation and Testing; NICET Level 2, HDPE, VLDPE, GeoGrids, Claymat, and Appurtenances

- **Liner Inspector, Phase IVA Expansion and Phase IIIB Partial Closure, St. Lucie County, FL.** Mr. McHugh was responsible for the pre-liner meeting, oversight of liner inspection, and reviewing the final liner documentation.
- **Construction Quality Assurance Technician, Liner Quality Assurance, Baling and Recycling Facility-Design, Permitting, Bidding, and Construction Services for the Class I Landfill, Phase IIIA, St. Lucie County, FL.** Mr. McHugh provided pre-liner meeting and liner documentation services, and started the preparation of permit package to the Florida Department of Environmental Protection (FDEP).
- **Liner Inspector, Segment 3 Cell 2 Expansion, Segment 2 Partial Closure, and Landfill Gas System Expansion, Indian River County, FL.** Mr. McHugh was responsible for the pre-liner meeting, oversight of liner inspection, and reviewing the final liner documentation.
- **Resident Project Representative and Liner Quality Assurance Inspector, Palm City II Landfill-Cell 2 Closure and Gas Collection System Services During Construction, Martin County, FL.** Mr. McHugh provided daily reports, pre-liner meeting, liner documentation, and preparation of permit package to FDEP.
- **Resident Project Representative, Hurricane Debris Cleanup Oversight, Martin County, FL.** Mr. McHugh attended weekly meetings with Martin County during the hurricane debris cleanup oversight activities at the Martin County Palm City II Landfill. Tasks included general oversight of the hurricane debris cleanup contractor and subcontractors at the landfill site, estimating the volume of debris that was transported to the landfill site, and completing the necessary daily logs sheets.
- **Site Inspector, Bridgeway Acres Class I Landfill Operation Assistance, Pinellas County, FL.** Mr. McHugh provides inspection services, prepares site inspection reports, reviews landfill contractor's performance, and identifies punchlist items. CDM Smith implemented a Geographic Information System (GIS)-based program to record our observations and communicate items that need attention to the County.
- **Quality Assurance Oversight, Bridgeway Acres Side Slope Closure, Pinellas County, FL.** Mr. McHugh was responsible for construction quality assurance (CQA) for installation of over 3 million square feet of geosynthetics for a landfill closure, and other systems on site.
- **Quality Assurance Oversight, Toytown Closed Class I Landfill – Underdrain System Improvements, Pinellas County, FL.** Mr. McHugh was responsible for CQA for installation of over two miles of underdrain, five pump stations, and stormwater restoration.
- **Site Inspector, Gradient Control, Pinellas County, FL.** As site inspector, Mr. McHugh was responsible for documenting the installation of over a mile of underdrain, five pump stations, and stormwater ditches, including high-density polyethylene (HDPE)-lined ditches.
- **Liner Inspector, Trail Ridge Landfill Project, City of Jacksonville, FL.** Mr. McHugh was responsible for verifying documentation of the installation of six layers of geosynthetics on an over 30 acre cell.

- **Liner Inspector/Resident Inspector, West Pasco Landfill Ash Cell 4, Pasco County, FL.** Mr. McHugh was responsible for the pre-liner meeting, site inspection, and reviewing the final liner documentation.
- **Liner Inspector, Class I Landfill Expansion: Cells 11 and 12, North County Resource Recovery Facility (NCRRF), Solid Waste Authority of Palm Beach County (SWA), FL.** Mr. McHugh provided day-to-day construction oversight of the project, including earth work, backfill and grading, geomembrane and geosynthetic material installation, and leak location survey. He prepared daily reports and CQA forms, and the final certification package to FDEP.
- **Resident Project Representative and Liner Quality Assurance Inspector, Class I Landfill: Cells 1-6 Closure, North County Resource Recovery Facility, SWA, Palm Beach County, FL.** Mr. McHugh provided daily reports, pre-liner meeting, liner documentation, and preparation of permit package to FDEP.
- **Resident Project Representative, Hurricane Debris Cleanup Oversight, Bay County, FL.** Mr. McHugh assisted with representing Bay County during the hurricane debris cleanup oversight activities at a construction and demolition (C&D) landfill that was set up after Hurricane Opal. Tasks included setting up the traffic pattern and site layout, general oversight of the hurricane debris cleanup contractor and subcontractors through the County and at the landfill site, estimating the volume of debris that was transported to the landfill site, then incorporating a scalehouse into the operation with Federal Emergency Management Agency (FEMA) coordination, and completing the necessary daily logs sheets, assist with weekly and monthly totals. The County was broken into six parts and contracts were awarded to three contractors.
- **Liner Inspector, Southern Landfill, Cell 5, Delaware Solid Waste Authority, Dover, DE.** Mr. McHugh was responsible for the pre-liner meeting and liner documentation.
- **Construction Superintendent, Landfill Liner/ Cap Projects, Various Projects, Various Locations (Florida, Mississippi, Michigan, Minnesota, Illinois).** Mr. McHugh has participated in the installation of numerous landfill liner and cap projects for a variety of clients, including Pine Valley Landfill in Meridian, Mississippi; Wayne County, Michigan; Hennepin County, Minnesota; Trail Ridge Landfill, Florida; and Peoria Disposal in Peoria, Illinois. In addition, his experience includes special application work and repair work with PVC and scrim-reinforced Hypalon as well as extrusion welding and butt fusion welding of HDPE pipe and flat stock. Mr. McHugh has participated in the installation of more than:
  - 26.5 million square feet of HDPE
  - 8.6 million square feet of LLDPE
  - 2 million square feet of VLDPE
  - 650 thousand square feet of flexible polypropylene (fPP)
  - 10.5 million square feet of Geosynthetic Clay Liners (GCLs)
  - 22 million square feet of Geonets (including bi- and triplanar)
  - 10 million square feet of Geocomposite Drainage Nets (single and double sided)
  - 14 million square feet of geotextiles (ranging from 6 oz. to 16 oz.)
- **Resident Project Representative, Embassy Hills Rapid Rate Infiltration Basin System Expansion, Pasco County, FL.** Facility upgrade and expansion, new orifice plates added to existing cells, and four additional cells added to balance flow and increase capability. Pipes and roads added as well as grassing berms and disturbed areas after land clearing with logging. Mr. McHugh served as the resident project representative for this project.
- **Resident Project Representative, Reverse Osmosis (RO) Water Treatment Plant (WTP) No. 1 Expansion, City of Clearwater, FL.** Mr. McHugh served as resident project representative for this plant upgrade project which expanded the WTP from 3 mgd to 4.5 mgd. This project involved reconfiguration of the RO skids with 1,500 gpm pumps, blend pumps 1,000 gpm, and a new pump station for Brine Discharge off site as well as storage tanks.
- **Resident Project Representative, Albert Whitted Wastewater Treatment Plant (WWTP) Expansion, City of St. Petersburg, FL.** Mr. McHugh served as resident project representative for this plant upgrade project, which including design, permitting, bidding, and construction phase services for a new headworks facility.



# Martin J. Lewis, PE, PMP, BCEE

## Construction Services

Years of Exp.	25 Years
City of Residence	Vero Beach, FL
Education	ME – Civil Engineering
Registration	Professional Engineer (FL)
Certification	Board Certified Environmental Engineer (BCEE), American Academy of Environmental Engineers and Scientists; Project Management Professional (PMP)

- **Technical Advisor, Class I Landfill Phase IVA Expansion and Phase IIIB Partial Closure, St. Lucie County, FL.** Mr. Lewis served as technical advisor for the design, permitting, and bidding for both the expansion of a new landfill cell and for the partial closure of an existing sideslope at the St. Lucie County Baling and Recycling Facility. The expansion includes a bottom liner and leachate collection system for a 10-acre cell, a leachate pump station and transmission forcemain, and stormwater management facilities. The partial closure includes a 3.5-acre final cover system, expansion of the landfill gas system, stormwater controls, and leachate management.
- **Various Roles, Various Environmental Projects, St. Lucie County, FL.** Mr. Lewis worked on several projects for St. Lucie County, FL. Mr. Lewis performed a wastewater treatment plant (WWTP) evaluation and enhancement project for the Holiday Pines WWTP. He was responsible for performing hydraulic calculations, permitting, and writing specifications for this project. Mr. Lewis was the project manager preparing a preliminary design report for a regional biosolids pelletization facility for the St. Lucie County Solid Waste Division. The facility was to be located at the St. Lucie County Landfill and utilized centrifuges to dewater wastewater biosolids prior to drying.
- **Task Manager, South Hutchison Island Wastewater Collection and Reuse Water Distribution System, St. Lucie County, FL.** Mr. Lewis was involved in the northern expansion of the South Hutchison Island’s wastewater collection and reuse water distribution system in St. Lucie County. He performed the hydraulic modeling for the reuse water distribution system and sized the distribution and collection pipes. His duties also included the permitting of the pipeline extension and the design of the wastewater re-pump station.
- **Construction Manager, Segment 3 Cell 2 Expansion, Segment 2 Partial Closure, and Landfill Gas System Expansion, Design, Permitting, Bidding, and Services During Construction, Indian River County, FL.** Mr. Lewis served as construction manager for the services during construction for both the expansion of a new landfill cell and for the partial closure of an existing segment at the Indian River County Landfill. The expansion includes a bottom liner and leachate collection system for a 10-acre cell, a leachate pump station and transmission forcemain, and water service line. The partial closure includes a 25-acre final cover system, expansion of the landfill gas collection and control system, stormwater controls, and a paved access road.
- **Engineer-of-Record, Various Environmental Projects, Indian River County Utility Services Department, Indian River County, FL.** Mr. Lewis was the project manager responsible for the design of the Phase II expansion of the North County Water Treatment Plant (WTP). The Phase II expansion was to add three new nanofiltration skids to the two existing skids. The project was modified at the request of the client to go to full build-out in this expansion, adding six new NF skids, increasing the plant’s permeate capacity to 12 mgd. This project included expansion to the operation’s building, process bay, electrical room, new high service pumps, two new generators, and a new 3 MG ground storage tank. Mr. Lewis managed all engineering services during the 18-month construction period. Mr. Lewis was also the project director for a biosolids processing facility located at the Indian River County Landfill. The facility accepts wastewater residuals along with septage and grease to dewater the sludge for disposal in the sanitary landfill.

- **Engineer-of-Record, Various Landfill Projects, Indian River County Solid Waste Department, Indian River County, FL.** Mr. Lewis was the project manager and engineer-of-record for a lateral expansion of the construction and demolition (C&D) landfill. He was responsible for the cell design and associated stormwater management system design. He was also the project manager for the construction oversight phase of the project. Mr. Lewis was involved with the construction of the new scalehouse and entrance improvement project for the county landfill. He also performed a project evaluating the District's municipal solid waste citizen drop-off sites. Mr. Lewis has been the project manager for annual permitting services for the landfill, which included the financial assurance report and full cost accounting report for four years. He was the project manager for the permit renewal for the Class I operation permit. He was the project manager for the conceptual environmental resource permitting for the northern expansion site, which is adjacent to the Indian River County landfill site. Mr. Lewis was also the project manager for the construction phase of the landfill gas collection system project.
- **Resident Project Representative, Landfill Expansion Project, Indian River County, FL.** Mr. Lewis was the resident project representative for the Indian River County landfill expansion project. His duties on the landfill construction project included oversight of the contractor, review of shop drawings, and general inspection services. This project experience, along with Mr. Lewis construction background, provided a thorough knowledge of landfill construction techniques, including High-Density Polyethylene (HDPE) pipelines, leachate collection systems, and stormwater systems.
- **Engineer-of-Record, Various Environmental Projects, Martin County Utilities and Solid Waste, Martin County, FL.** Mr. Lewis was the project manager for the design, permitting, and construction of a new scalehouse and household hazardous waste collection facility for the Palm City II Landfill. The project required extensive permitting for the local Growth Management Department. Mr. Lewis was tasked with site plan design, utilities infrastructure, bidding, and construction services during the project. Mr. Lewis also participated as design engineer in the Palm City II Municipal Solid Waste Transfer Station project. Mr. Lewis was responsible for placement and specifying the scales, as well as connections to the fire pump system constructed onsite previously.
- **Engineer-of-Record, Operations and Maintenance (O&M) Buildings for North County Resource Recovery Facility (NCRRF), Solid Waste Authority of Palm Beach County (SWA), FL.** Mr. Lewis was the project manager for the design of new O&M buildings located at the NCRRF. The new operations building was designed as a LEED®-certified green building. The site design included water and wastewater pipelines and stormwater management systems. The construction of the \$2.6M building was completed on schedule and within the established budget.
- **Engineer of Record, Design and Construction of Cells 9 and 10, SWA, Palm Beach County, FL.** Mr. Lewis was the engineer of record for the design and construction of Cells 9 and 10 located at SWA's active landfill. The Class I cells incorporate the design of the leachate collection/detection system and the composite liner system. The project added 26 acres of disposal area to the active landfill.
- **Engineer of Record, Various Solid Waste Projects, SWA, Palm Beach County, FL.** Mr. Lewis was involved in the preliminary design reports for the lime recalcination facility and the biosolids pelletization facility. He was responsible for local permitting issues relating to utilities. He is also part of the engineering design team for the facilities. The project will recycle water treatment plant lime by recalcinating the hydrated lime in kilns. The biosolids pelletization facility recycles wastewater biosolids into fertilizer by using landfill gas as a fuel for a drum dryer. Both projects are cutting edge technologies, maximizing the use of landfill gas as an energy source. Mr. Lewis was the project manager for the utilities project associated with the biosolids project. He designed the landfill gas pipeline, potable water pipeline and wastewater lift station at the site.



# Paul L. Hauck, PE

## Emerging/Thermal Conversion Technologies

Years of Exp.	45 Years
City of Residence	Tampa, FL
Education	BS – Mechanical Engineering
Registration	Professional Engineer (FL)

- **Technical Advisor, Falkenburg Road Complex – Power Distribution Analysis, Hillsborough County, FL.** Hillsborough County requested CDM Smith’s services to provide an analysis of distributing electricity from its Resource Recovery Facility (RRF) located at 350 N Falkenburg Road to all County owned facilities on the same property. Currently, the RRF is supplying power to the Woodberry Pump Station, Falkenburg Wastewater Treatment Plant, Brandon Service Operations Center (BSOC), and Central Hillsborough Water Treatment Facility. The remaining facilities are Falkenburg Road Jail, East Central Warehouse Facility, Animal Services Facility, Public Utilities Department Lab, Public Safety Operations Center (PSOC), a new Chiller Plant, and a Sports complex. Currently power for these facilities is provided by Tampa Electric Company (TECO). As part of this analysis, Mr. Hauck is providing technical advisory services for this project.
- **Project Manager, Independent Consulting Engineer Services, Hillsborough County Resource Recovery Facility, FL.** Mr. Hauck manages engineering services for the Hillsborough County Waste-to-Energy (WTE) project. Services include quarterly inspections of the WTE process and update of the ongoing punch list, annual inspection of the WTE site and buildings, annual inspection of the two County transfer stations, monitoring of air quality testing and reporting, permitting assistance, preparation and attendance of monthly meetings, project management (monthly invoices and status reports), and other services requested by the Client. An annual inspection report is also prepared to summarize and document the key performance parameters of the WTE facility and the operational status of the two transfer stations.
- **Project Manager, Independent Consulting Engineer Services, Pasco County RRF, FL.** Mr. Hauck manages engineering and technical services for the Pasco County WTE project. Services include quarterly inspections of the WTE process and update of the ongoing punch list, annual inspection of the WTE site and buildings, monitoring of air quality testing and reporting, permitting assistance, preparation and attendance of monthly meetings, project management (monthly invoices and status reports), and other services requested by the Client. An annual inspection report is also prepared to summarize and document the key performance parameters of the WTE facility.
- **Project Manager/Engineer-of-Record (EOR) Services, Pinellas County RRF, FL.** Mr. Hauck manages the EOR services for the Pinellas County WTE project. Services include monthly inspections of the WTE process and update of the ongoing punch list, bi-annual inspection of the WTE site and buildings, preparation, attendance, and coordination of monthly meetings, project management (monthly invoices and status reports), and other services requested by the Client. Quarterly inspection reports are also prepared to summarize and document the key performance parameters of the WTE facility.
- **Project Engineer, Eco-Risk Pond Project, City of Tampa, FL.** In response to ongoing concerns by Florida Environmental Regulators, Mr. Hauck coordinated CDM Smith’s efforts to develop a comprehensive plan for mitigation of these potential eco-risks of ash deposits from a former city incinerator in and around the perimeter of a freshwater pond on the McKay Bay Solid Waste Complex. CDM Smith developed concepts, preliminary plans, specifications, and estimates of cost for several concepts to cover the existing sediments on the pond bottom to mitigate the potential risk to wildlife that frequent the pond. The final project remediation has not yet been established as additional options and methodologies for placing the necessary clean fill are evaluated.

- **Project Engineer, WTE Facility Expansion Project, Hillsborough County, FL.** Mr. Hauck provided support to the 600-tpd expansion project with review and comment of design drawings and resolution of design conflicts, attendance at monthly progress meetings, development of procedures for the County's compliance with North American Electric Reliability Corporations' Reliability Standards, oversight during acceptance testing, and negotiations of new power purchase agreement.
- **Project Engineer, Proposal Preparation for Renewable Electrical Energy, Hillsborough County, FL.** Mr. Hauck prepared two proposals for Hillsborough County in response to TECO's Renewable Generation 2007 Request for Proposal. These proposals estimated fair and equitable prices of the renewable electrical energy produced by the County's existing and future generators at their resource recovery facility. The terms and conditions offered by TECO were not found to be favorable.
- **Project Engineer, Power Purchase Agreement (PPA) Negotiations for Renewable Electrical Energy, Hillsborough County, FL.** The Hillsborough County resource recovery project commenced commercial operation in November 1987. On behalf of the County, CDM Smith coordinated the negotiation of the initial PPA with TECO during development of the project. The initial PPA resulted in both capacity and energy payment schedule for the first 20 years of the project. Capacity payments escalated over the term of the PPA as long as the project met minimum required annual power deliveries, whereas energy payments were based upon the calculated avoided cost of power production by TECO based upon time of day. In conjunction with the PPA, CDM Smith also coordinated the Interconnection Agreement between TECO and Hillsborough County. With the expiration of the original PPA on March 1, 2010, negotiations with TECO commenced in an attempt to extend the existing agreement. Those negotiations were unsuccessful because TECO's new standard offer agreement was considerable less lucrative for the County. CDM Smith then began investigating alternative energy markets and ultimately conducted simultaneous negotiations with TECO and Seminole Electric Cooperative (SEC) for a new PPA. The new PPA was negotiated with Seminole Electric for a term of 15 years. Due to the downturn in the Florida economy and reduced statewide demand for electric power, the new PPA did not include capacity payments. Favorable terms of the new Seminole PPA included an escalating energy payment schedule over the next 15 years for all net electric power delivered to Seminole Electric, along with the sale of a portion of the project's Renewable Energy Credits (RECs). The negotiated REC payments were for 50 percent of the total project RECs, with a first option for SEC to purchase additional RECs upon adoption of a state or federal RPS, and favorable planned outage coordination terms. SEC also pays the cost for wheeling the energy through the TEC transmission system.
- **Project Manager, Cellulosic Biofuels Production Request for Information Project, City of Tampa, FL.** Mr. Hauck developed a formal RFI for the City of Tampa to explore the emerging state of technology for production of ethanol, synthetic diesel, and other forms of renewable liquid fuels produced from cellulosic, carbonaceous, or organic components of the municipal solid wastes stream. The requirements for interested parties were developed and sent to more than 30 prospective technology providers, which resulted in seven responses. The responses were evaluated, and interviews conducted in the fourth quarter of 2008. A plan has been developed to continue research of the emerging industry in 2009 with a series of site visits and further evaluation. The City's ultimate goal is to explore the technical and economic feasibility of adding a waste-to-biofuels conversion process into their integrated solid waste management system.
- **Project Engineer, Grant Applications for Solid Waste Management Program, City of Tampa and Pasco County, FL.** Mr. Hauck prepared several grant applications for the City of Tampa and Pasco County seeking federal and state funding for completion of cellulosic ethanol feasibility studies. These grant applications proposed to integrate an ethanol process for conversion of cellulosic wastes (i.e., mixed waste paper, municipal yard and wood wastes) as part of the municipalities' integrated solid waste management program.
- **Project Engineer, Development of Procedures for WTE Plants Compliance with North American Electric Reliability Corporation (NERC) Reliability Standards, Pasco and Hillsborough Counties, FL.** Mr. Hauck researched the reliability standards and prepared procedures for Pasco and Hillsborough counties as generator owners to meet the new reliability standards developed by NERC. These newly developed standards require numerous new programs and close coordination with a large number of entities involved with the transmission and distribution of electrical energy within the State of Florida.



## Timothy G. Wiley, PE

### Instrumentation

Years of Exp.	22 Years
City of Residence	Maitland, FL
Education	BS – Electrical Engineering
Registration	Professional Engineer (FL)

- **Automation Engineer, Annual Operations Assistance, St. Lucie County, FL.** CDM Smith provides overall landfill gas (LFG) system operations assistance program for the St. Lucie County Baling and Recycling Facility. We provide annual professional engineering services related to the design, installation, expansion, and permit compliance, including corrective actions, for the LFG collection and flare system. We also provide full service operations and maintenance (O&M) of the LFG collection and flare system, which feeds a compression skid for off-site sale of the LFG. Since 2010, CDM Smith has provided operations and maintenance services for the compression skid, as well as the entire collection system. Mr. Wiley provides automation support services for the LFG collection and flare system.
- **Automation Engineer, Emergency Compliance Assistance, St. Lucie County, FL.** Mr. Wiley provided automation engineering support for the Emergency Compliance Assistance project that provided emergency services related to the solid waste system at the St. Lucie County Baling and Recycling Facility site. CDM Smith's duties included assisting St. Lucie County with miscellaneous emergency tasks including non-routine maintenance/repairs to the landfill operations, landfill gas collection system, and/or the landfill gas compression system. Tasks also included responding to Florida Department of Environmental Protection (FDEP) routine inspections and requirements, leachate management, Startup, Shutdown and Malfunction Plan compliance, Emergency Leachate Surface Water Discharge Permit compliance, and other miscellaneous permitting and permit compliance activities.
- **Automation Engineer, Segment 3 Expansion, Segment 2 Closure, and LFG System Expansion, Indian River County, FL.** CDM Smith provided final design, permitting, bidding, and construction phase services for the Segment 3 Expansion, Segment 2 Partial Closure, and LFG System Expansion, which was completed in multiple phases. The design included the Segment 3 Cell 2 bottom liner system, leachate collection and conveyance systems, and stormwater management facilities; Segment 2 partial closure cap liner system and stormwater management facilities; and the Segment 2 LFG system expansion. Mr. Wiley served as the instrumentation engineer-of-record for the project.
- **Control Network and Human Machine Interface (HMI) Development, Anuvia Plant Nutrients, Zellwood, FL.** Mr. Wiley developed the HMI for operational control of this fertilizer production facility. This development was done in Siemens WinCC as part of a Siemens PCS7 system. Mr. Wiley also deployed and setup the control system server work group. This isolated network also included configuration of a Fortigate 60D firewall appliance and a site-to-site Virtual Private Network (VPN) for remote access by an Enterprise Resource Planning (ERP) system to mine historical data from the process historian.
- **Automation Support, Jerry Sellers Water Reclamation Plant, City of Cocoa, FL.** Mr. Wiley leads the ongoing automation support for this facility including updates and modifications to five in-plant Rockwell Programmable Logic Controllers (PLCs), over 50 remote field-based Motorola Remote Terminal Units (RTUs), and the overall VTScada HMI system.
- **HMI Development, Northwest Wastewater Treatment Plant (WWTP), St. Johns County, FL.** Mr. Wiley developed the HMI used for operations control of a new wastewater reclamation facility for St. Johns County. This HMI was developed using Trihedral's VTScada software package.
- **Instructor, Introduction to Allen-Bradley SLC500 Control Systems, City of Orlando, FL.** Mr. Wiley facilitated a training class for a client's maintenance team. This class introduced the team to the Allen-Bradley SLC500 family of controllers and gave them a foundation on which to build an ongoing capability to service and maintain this type of equipment at their facility.

- **Automation Task Lead, Del Valle Water Treatment Plant (WTP) Ozonation Project, Livermore, CA.** Mr. Wiley is responsible for leading the PLC and HMI development for this plant upgrade project. He is managing a team of four engineers to perform the development activities, updating the production schedule, writing project documentation, and interfacing with the client. This \$879,000 automation engineering effort is scheduled for completion in Q1 2020.
- **Automation Engineer, Deer Park Wastewater Treatment Plant Upgrade, Deer Park, TX.** Mr. Wiley is developing the PLC programming, HMI programming, and network configuration for this wastewater plant upgrade. This \$2.8M design-build project includes a new headworks facility, a new clarifier, two new aeration blowers, a new influent pump station, overhauls to many existing pieces of equipment, a new operations building, several new MCCs, three new PLCs, a new HMI system, and a new plant wide network. This project is scheduled for completion Q1 2020.
- **Automation Installation Lead, JR Simplot Process Water Treatment and Return Plant, Caldwell, ID.** Mr. Wiley lead the efforts to install and start up the automation system for this new process water treatment facility. He worked closely with the construction managers, process development team, vendor equipment manufacturers, and operators to ensure proper system operation and specification compliance. Mr. Wiley installed, modified, tested, and corrected PLC, HMI, and operator interface terminal (OIT) programming for the plant's supervisory control system.
- **Automation Support, P113 Advanced WTP, Camp Pendleton, CA.** In support of installation and start-up activities for this new advanced water treatment plant, Mr. Wiley provided critical services for the supervisory, control and data acquisition (SCADA) upgrade and development as well PLC programming.
- **Automation Team Member, Water Filtration Plant Upgrades, Puerto Rico Aqueduct and Sewer Authority (PRASA), Puerto Rico.** As part of an island-wide SCADA upgrade project, Mr. Wiley has supported software development and testing for upgrades to over 30 water filtration plants on the island of Puerto Rico. Additionally, Mr. Wiley provided support to field installation teams during start-up activities.



# Adrian Streng

## Instrumentation



Years of Exp.	23 Years
City of Residence	Boca Raton, FL
Education	BS – Electrical Engineering
Certification	Allen Bradley Panel View and Panel Builder32 Application Software; Allen Bradley FactoryTalk View SE Programming; Allen Bradley FactoryTalk RSLogix5000 Project Develop Programming; Siemens Simatic S7 Advanced Programming and Maintenance; Siemens Simatic WinCC SCADA Programming

- **Automation Engineer, Annual Operations Assistance, St. Lucie County, FL.** CDM Smith provides overall landfill gas (LFG) system operations assistance program for the St. Lucie County Baling and Recycling Facility. We provide annual professional engineering services related to the design, installation, expansion, and permit compliance, including corrective actions, for the LFG collection and flare system. We also provide full service operations and maintenance (O&M) of the LFG collection and flare system, which feeds a compression skid for off-site sale of the LFG. Since 2010, CDM Smith has provided operations and maintenance services for the compression skid, as well as the entire collection system. Mr. Streng provides automation support services for the LFG collection and flare system.
- **Automation Engineer, Emergency Compliance Assistance, St. Lucie County, FL.** Mr. Streng provided automation engineering support for the Emergency Compliance Assistance project that provided emergency services related to the solid waste system at the St. Lucie County Baling and Recycling Facility site. CDM Smith's duties included assisting St. Lucie County with miscellaneous emergency tasks including non-routine maintenance/repairs to the landfill operations, landfill gas collection system, and/or the landfill gas compression system. Tasks also included responding to Florida Department of Environmental Protection (FDEP) routine inspections and requirements, leachate management, Startup, Shutdown and Malfunction Plan compliance, Emergency Leachate Surface Water Discharge Permit compliance, and other miscellaneous permitting and permit compliance activities.
- **Automation Engineer, Landfill Gas Chiller Improvements, St. Lucie County, FL.** CDM Smith provided professional engineering services for the replacement of the chiller on the landfill gas compression system, which was provided and installed under a separate contract. As part of the chiller replacement, we assisted with rerouting of the existing sensors, modifying the PLC programming, modifying miscellaneous instrumentation and controls, and replacement of the condensate pumps. Mr. Streng assisted with the modifications to the miscellaneous instrumentation and controls systems.
- **Automation Engineer, Holiday Pines Water Treatment Plant (WTP) Preliminary Design Report (PDR), St. Lucie County, FL.** Due to the near-term demand for additional capacity, CDM Smith is currently preparing a PDR for the expansion of St. Lucie County's Holiday Pines WTP from 0.288 mgd to 0.5 mgd within the same existing footprint. Mr. Streng is responsible for development of the automation and instrumentation and controls sections of CDM Smith's PDR.
- **Lead I&C Design Engineer, Pump Station 692 Improvements, Miami-Dade Water and Sewer Department (WASD), Miami-Dade County, FL.** This project consists of design services for rehabilitation and replacement of the existing Pump Station 692. The improvements adhere to applicable codes and regulatory requirements and incorporate Miami-Dade standard specifications and details for design and construction. Design of the pumps station consists of improvement of the control system for the wet well pumps and booster pump station including design of the additional instrumentation and replacement of the existing ones to increase the complexity of the operation. Mr. Streng's responsibilities included the designing of Supervisory Control and Data Acquisition (SCADA) system architecture, developing specifications, coordinating with process, electrical, heating, ventilation, and air conditioning (HVAC), architecture, and mechanical disciplines to identify and resolve major design issues, developing piping and instrumentation diagrams (P&IDs), and overseeing other CDM Smith automation staff involved in this project.

- **Instrumentation and Control (I&C) Engineer, Water Treatment and Raw Water Production Systems Continuing Contract, Broward County, FL.** For more than 14 years, CDM Smith has been providing water treatment and raw water production system services on a continuing basis for Broward County's water treatment system. Recent water treatment plant (WTP) projects under this contract include: \$1.75M WTP 1A Electrical Switchgear #2 Replacement; \$4M WTP 1A Pumping System and 4-Log Upgrade; \$2.8M WTP 3A New Boost Pumping Station. Mr. Streng is serving as the I&C engineer for recent projects under this continuing contract.
- **Automation Engineer, Osage Water Treatment Plant SCADA Upgrade, City of Amarillo, TX.** The Osage WTP SCADA system consisted of three independent traditional monitoring and control system applications, two FTView, and one Proficy iFix, that communicate to plant equipment and 100+ remote well sites. CDM Smith was contracted to design a new Human Machine Interface (HMI) architecture and provide programming efforts to merge the three system applications into a new single FTView SE application. Mr. Streng lead the HMI programming efforts, created HMI standards, and developed the tag naming convention.
- **Lead Automation Engineer Central Regional Wastewater System, Phase III Solids Management Improvements, Trinity River Authority, TX.** This project consists of application engineering services for developing iFix SCADA graphics static screens during design phase. This services will provide our client with much more complex screens which eliminate misinterpretation of design concept and provide for consistency in look and feel of the HMI graphic screens. In addition to developing the HMI graphics, application engineering services include developing of Logic Diagrams of the control loops for this project. Logic Diagrams will maximize the understanding of the control philosophy of the design during construction phase of the project. Mr. Streng was involved in scheduling, coordinating of the application engineering services, and overseeing other CDM Smith automation staff involved in this project.
- **Lead Automation Engineer, East Side Water Treatment Plant, Dallas Water Utilities (DWU), TX.** This project consists of application engineering services for iFix SCADA upgrade and convert from a single monitor view to multiple monitors view. The developing and initial testing was performing in CDM Smith Dallas office. During commissioning DWU East Side WTP process Control System was fully operational. Mr. Streng was involved in every aspect of this project (scheduling, coordinating, developing, commissioning, and overseeing other CDM Smith staff involved in the project).
- **Automation Engineer, Midland Water Production and Purification Facility, City of Midland, TX.** This project consists of application engineering services for iFix SCADA upgrade. The developing and initial testing was performing in CDM Smith Dallas office. During commissioning Midland WPP Process Control System (PCS) was fully operational. Mr. Streng was involved in every aspect of this project (scheduling, coordinating, developing, commissioning, and overseeing other CDM Smith staff involved in the project).
- **Lead Automation Engineer, Central Wastewater Treatment Plant, DWU, TX.** This project consists of engineering services for the preliminary design, configuration and programming for a new PCS at the Central Wastewater Treatment Plant (CWWTP). Mr. Streng was responsible for developing the standard function blocks for Modicon Quantum PLCs using Unity Pro software, PLC and iFix HMI programming and commissioning of various process areas.
- **Lead Automation Engineer, SALOF Modular Liquefaction System, City of San Antonio, TX.** Mr. Streng was responsible for developing PLC networking and programming for a Modular Liquefaction System (LNG) while implementing Cause & Effect and Emergency Shutdown diagrams (ESD) in the control sequence; and overseeing staff for HMI develop program development and integration of the PLC and HMI programs. The control system hardware used in this project was Allen Bradley Control Logix PLCs and Wonderware InTouch HMI.
- **Automation Engineer, Midland MBR Reclaimed Water Production Facility, City of Midland, TX.** The City of Midland currently provides potable water to Midland College for irrigation purposes. Due to recent extreme drought conditions stressing local potable water sources the City of Midland proposed the provision of facilities for reclaimed water. Mr. Streng was responsible for developing of the process control system (PLC's and SCADA) and commissioning of the control system to accommodate proper functionality of the installation. The control system hardware used on this project was Schneider Electric Quantum and Premium PLC's and GE Proficy iFIX for the HMI. Process control system for this project involved dissolved oxygen (DO) control of the aeration basin, blower control, influent pump station, and integration of the vendor supplied Membrane Bioreactor.



# Michael T. Alford, AIA, LEED® AP BD+C

## Architectural

Years of Exp.	20 Years
City of Residence	Apopka, FL
Education	MS – Architecture
Registration	Registered Architect (FL, SC, NC, GA, TN, AL, KY, VA, WA)
Certification	National Council of Architectural Registration Boards (NCARB); Leadership in Energy and Environmental Design Accredited Professional – Building Design & Construction (LEED® AP BD+C)

- **Architect-of-Record, Single-Stream Recyclables Processing Facility, St. Lucie County, FL.** Mr. Alford was the architect-of-record responsible for architectural design, permitting, bidding, and construction oversight of the new Recyclables Processing Facility, which houses single-stream recyclables sorting equipment. The project included survey, a subsurface investigation, preparation of design drawings, preparation of contract documents, permitting assistance (stormwater, site plan, and solid waste), bidding assistance, construction oversight, and project/quality management.
- **Architect-of-Record, Recyclables Transfer Facility, Martin County, FL.** Mr. Alford served as the architect-of-record for the team that designed, permitted, and bid the Recyclables Transfer Facility for transfer of the single-stream recyclables that are brought to the site by the collection trucks into large trucks for transport to recyclers. The project included a subsurface investigation, preparation of design drawings, permitting assistance (Environmental Resource Permits [ERP]), bidding assistance, and project/quality management.
- **Project Architect, Transfer Station Design and Permitting, Martin County, FL.** As project architect, Mr. Alford assisted the senior architect with the design for a solid waste transfer station and administration building. The County planned to close the landfill site and transfer waste to a nearby facility in lieu of continuing operations adjacent to a growing residential community. The facility design features include a two-story transfer station building with two drop chutes, an adjacent two-story administration building, emergency power supply system, and an isolated residential customer waste disposal area. Both the transfer station and administration building were designed to take advantage of site location atop a large mound by incorporating daylighting technologies. The two-story transfer station incorporates large roof and wall translucent panels, while the administration portion of the building uses windows and a large clerestory to admit natural diffused daylight into each of the buildings to increase worker comfort and reduce energy consumption.
- **Architect-of-Record, Central Disposal Facility Scale House and Entrance Road Design and Permitting, Brevard County, FL.** Mr. Alford was the architect-of-record for this three-phase project which includes design and permitting of a new scalehouse facility, a half mile entrance road, County roadway improvements for public safety, and Environmental Resource Permit/US Army Corps of Engineers (ERP/USACE) wetland permitting. The three-phase project includes Adamson Road improvements, which will be constructed by the Brevard County Road and Bridge Construction group, the entrance road, which will be constructed by the Brevard County Road and Bridge Construction group and the scale house, which will be publicly bid. The Facility includes new scale house building, scales, waste reporting system, supporting utilities, stormwater treatment, and entrance road from Adamson Road.

- **Senior Architect/Architect-of-Record, Mass Burn Waste-to-Energy (WTE) Facility Design-Build-Operate, Solid Waste Authority of Palm Beach County (SWA), FL.** Mr. Alford was the senior architect and architect-of-record for the design-build of the new 3,000-tpd mass burn waste-to-energy facility for SWA. Mr. Alford oversaw the architectural enhanced aesthetic development and design development for the entirety of the new facility. This included the Visitor Center, Skybridge, Maintenance/Warehouse Building, Ash Handling Building and the Powerblock Building (tipping floor building, refuse building, boiler building, and air pollution control). The new three-story visitor center includes meeting space, and interactive displays through which the SWA's county-wide, integrated and coordinated set of environmentally responsible and economical solid waste management programs are highlighted, along with the story and process of the mass burn waste-to-energy facility. As part of the experience, visitors will traverse the skybridge to the main control area of the Powerblock Building while observing the main components of the mass burn facility. The Visitor Center was designed to achieve a LEED® Platinum certification including sustainable features such as, photovoltaics, green roofs, recycled and regional materials, rain harvesting, reduced energy consumption, efficient glazing, and ultra-low flow plumbing fixtures.
- **Project Architect, LEED® Silver Certified Operations Building, SWA, Palm Beach County, FL.** Mr. Alford was the project architect for the Solid Waste Authority Operations Building. This project explored two advanced technologies: LEED® certification and 3D/4D modeling. The client embraced a strong approach to sustainability and environmental preservation and these characteristics are reflected in the LEED® credits. A stringent waste reduction plan was put in place, eliminating excess waste during the construction phase, as well as directing as much waste as possible away from the landfills and into recycling centers or waste-to-energy production facilities. The 6,000-square-foot operations building was designed with the offices, conference rooms, and training center around the perimeter of the building to take advantage of natural light and views, while the showers/lockers/toilet facilities, mechanical, electrical, and storage areas occupy a central core, consolidating piping and ductwork. The building was produced in 3D/4D technology, AutoCAD, and ADT for architectural design, and the structural, electrical, and mechanical disciplines. This technology facilitates the production of more complex designs faster and more efficiently with fewer conflicts than the traditional two-dimensional approach. It also greatly enhances the client's ability to visualize the end product, not only in form, function, and scale, but in color and textures, as well as furniture and equipment.
- **Project Architect and Architect-of-Record, Bay County Beach Transfer Station, Panama City, FL.** Mr. Alford was the project architect and architect or record for the design of the 9,600-square-foot Beach Transfer Station in Panama City, FL. The Beach Transfer Station incorporates translucent roof and wall panels to increase worker comfort and safety, while reducing the energy demands of the building. In addition to the architectural design, his responsibilities included coordinating the architectural effort with other disciplines, code compliance, and interdisciplinary checking for quality management.
- **Architect-of-Record, Various Solid Waste Facilities, NC.** Outside of the State of Florida, Mr. Alford also has served as the architect-of-record for the following solid waste projects:
  - Henderson County, NC – transfer station
  - Wake County, NC – South Wake transfer station
  - Wake County, NC – South Wake scale house
- **Project Manager/Architect-of-Record, Key West Transit Facility, City of Key West, FL.** Mr. Alford is the project manager and architect-of-record for the \$8M Key West Transit Facility. The new facility will allow the city to move transportation operations from a small building on Palm Avenue to a 3.9-acre facility on Stock Island that will include a 7,800-square-foot administration building, a 7,500-square-foot bus maintenance building, a 2,100-square-foot bus wash building, a fuel island with a dispensing system, and parking areas to accommodate buses, staff, and visitor vehicles.
- **Project Architect/Architect-of-Record, Biosolids Receiving Station, Cobb County, GA.** Mr. Alford was the project architect and architect-of-record for the design of a biosolids receiving station to be constructed at the R. L. Sutton Water Reclamation Facility in Cobb County, GA. This facility consists of an equipment pit, equipment laydown area, mechanical room, electrical room and an enclosed receiving station where trucks will dump dewatered sludge for pumping to the sludge storage silos in the solids process building.



# Spencer J. Perry Jr., PE

## Electrical

Years of Exp.	22 Years
City of Residence	Apopka, FL
Education	BS – Electrical and Computer Engineering, University of Central Florida
Registration	Professional Engineer (FL, GA, SC, NC, TN, AL, VA, KY)

- **Electrical Engineer-of-Record, Waste-to-Energy (WTE) DBO, Solid Waste Authority of Palm Beach County, FL.** Mr. Perry served as the electrical engineer-of-record for the design and construction of the CDM Smith \$120 million portion of the \$672 million, new 3,000-tpd mass burn Waste-to-Energy (WTE) facility. CDM Smith's scope included the design and construction of the tipping floor building, as well as the building for air pollution control, and ash handling, maintenance/warehouse. Additionally, the siding and roofing on the refuse pit, boiler water treatment, turbine generator buildings were constructed and the design and construction of a Platinum LEED®-certified administration/visitors center.
- **Electrical Engineer-of-Record, Water Treatment and Raw Water Production Systems Continuing Contract, Broward County, FL.** For more than 14 years, CDM Smith has been providing water treatment and raw water production system services on a continuing basis for Broward County's water treatment system. Under our current Water Treatment and Raw Water Production Systems contract with the County, Mr. Perry has served as the electrical engineer-of-record for more than five work authorizations, including the County's WTP 3A 4-Log Virus Treatment projects, as well as numerous electrical system and generator repair and replacements projects.
- **Electrical Engineer, Solid Waste Projects, FL.** Mr. Perry's solid waste experience includes Bay County Resource Recovery Facility, Bay County, Florida, 2002-2003; Solid Waste Authority of Palm Beach County, Landfill Gas Compression Skid Addition, Palm Beach County, Florida, 2007-2009; and Solid Waste Authority of Palm Beach County, North County Landfill Operations and Maintenance Building, Palm Beach County, Florida, 2007-2010. Mr. Perry's design experience includes all aspects of low and medium voltage distribution design, lighting system design, LEED® project certification and design, power system studies and construction services.
- **Electrical Engineer, VitAG Biosolids to Fertilizer Project, Zellwood, FL.** Mr. Perry was responsible for the electrical design and construction services of this \$55 million progressive design-build project. This first of its kind facility converts 200-tpd of biosolids into fertilizer. The scope of work included site work, biosolids receiving facility, acid and ammonia hydrolyzers, pre-engineered building for the granulation plant comprising of water treatment system, plant air system, chemical metering system and fertilizer manufacturing equipment, pre-engineered building for the product storage warehouse comprising of push walls, coating heat exchanger, a conveyor system from the granulation plant leading to the load out area, an air pollution control system, chemical tank and metering system farm, ammonia storage system, odor control system including biofilters, scrubbers, cooling towers with pumps, fans, ductwork, and piping, administration and maintenance buildings, a rail spur, truck and rail weighing stations, all electrical, instrumentation and control systems. The electrical design includes 480 volt distribution and Siemens smart Motor Control Centers.
- **Electrical Engineer, Operations and Maintenance Building, Solid Waste Authority of Palm Beach County, Palm Beach County, FL.** Mr. Perry provided electrical engineering and construction services for the design of the operations building, including LEED® Silver certification, lighting design and specification, power distribution, and emergency power system design. The owner owned and maintained a 4,160V overhead distribution system, and design included load and short circuit analysis of the existing distribution system and specification and design of service entrance equipment into the building.
- **Electrical Technical Review, Deltona North Water Treatment Plant (WTP), Volusia County, FL.** The County authorized CDM Smith to design a new aeration and mixing system to help reduce and control the formation of disinfection by-products in the finished water produced at the Deltona North WTP. Mr. Perry providing electrical technical review for this

project. Electrical modifications included replacement of the existing Motor Control Center (MCC), Automatic Transfer Switch (ATS) and MCC mounted breaker with new MCC, ATS and main breaker, replacement of the existing emergency generator, installation of VFDs for the High Service Pumps (HSPs), and improve automatic control of wells and HSPs.

- **Electrical Engineer, SR 500 (US 441) from SR 46 to SR 44, FDOT District 5, FL.** Mr. Perry assisted with the electrical design which included point-to-point lighting analysis, design and preparation of lighting plans for this 2-mile extreme widening project; using LED fixtures to cover areas as wide as 160 feet with sidewalks, trails, bike lanes, and up to 10 traffic lanes.
- **Electrical Engineer, Glades Road WTP Nanofiltration Treatment Process Addition, City of Boca Raton, FL.** Mr. Perry has aided with the electrical design of the City of Boca Raton's Membrane Facility. CDM Smith's services included master planning, extensive pilot testing, design, permitting, financing assistance, construction management, procurement, and various special studies for a 40-mgd nanofiltration process addition to the existing water treatment facility.
- **Electrical Technical Review, Lake Eve Pump Station Rehabilitation and Construction, Orange County, FL.** CDM Smith was retained by Orange County Utilities (OCU) to rehabilitate the County's existing 13-mgd submersible pump station located in Orlando, FL. Due to aging equipment and infrastructure, the Lake Eve Pump Station required rehabilitation or replacement. An air conditioned, concrete block electrical building was constructed to house the bulk of the electrical power distribution and control system components. The station control system consists of a programmable logic controller (PLC) based remote telemetry unit (RTU) that will interface with the existing OCU Telemetry System over spread spectrum radio. Mr. Perry provided electrical technical review on this project.
- **North 2 Utility Extension Project, City of Cape Coral, FL.** The North 2 Utility Extension Project area consists of adding potable water, wastewater, and irrigation services to an approximately 6.2 square miles residential area. Mr. Perry provided design services including 13 sanitary duplex lift stations, two sanitary master pump stations, and two canal pump stations. Design included distribution design, utility coordination, emergency generator sizing and specification, lighting, grounding and instrumentation and controls. CDM Smith was also responsible for services during construction which included submittal review, site observation and punch list development.
- **Electrical Engineer of Record, Consent Decree Project 2, Miami, FL.** 15, Plant 2, Digester Clusters 1 and 2 Upgrades, Central District Waste Water Treatment Plant (CDWWTP), Miami Dade Water and Sewer Department, 2016. Mr. Perry provided electrical design, including medium voltage and low voltage distribution design, lighting design and motor control design for the digester upgrades. The improvements included a new substation building with two transformer rooms and a switchgear room, and two new motor control center electrical rooms, all designed in accordance with MDWASD electrical standards.
- **Electrical Engineer, Advanced Water Treatment Project, South District Water Reclamation Facility, Miami-Dade Water and Sewer Department (WASD), Miami-Dade County, FL.** Mr. Perry provided electrical design including low and medium voltage distribution design, emergency systems design, lighting, specification and design of 15kv and 5kv Arc-Resistant equipment, LEED® project certification and coordination and power system studies. The 21-mgd South District Water Reclamation Plant for WASD included overall program planning, site selection, groundwater modeling, pilot testing, preliminary and final design, cost estimates. The project included recharge facilities, groundwater modeling, pilot testing, cost estimating, and procurement documents for proprietary MF and UV systems.
- **Electrical Engineer, Arbennie Pritchett Water Reclamation Facility (WRF), Okaloosa County, FL.** CDM Smith's overall design approach is based on intelligent 3D plant design with a database for the fourth dimension. To provide a reliable framework, CDM Smith utilizes an "enterprise level" electronic data management system that allows engineers and designers to work in a structured environment, creating a central repository for all project data. The project won DBIA Owner of the Year award and DBIA 2011 Merit award.



# Kevin Francoforte, PE

## Structural

Years of Exp.	14 Years
City of Residence	Orlando, FL
Education	MS – Structures and Foundations, University of Central Florida; BS – Mechanical Engineering, Florida Institute of Technology
Registration	Professional Engineer (FL, KY)

- **Structural Engineer, Northwest WWTP Phase 1, St. Johns County, FL.** Mr. Francoforte completed the structural design calculations and 3D AutoCAD models for reinforced concrete headworks, splitter box, UV disinfection structure, and a solids dewatering building composed of reinforced concrete beam and column framing system with reinforced masonry infill walls.
- **Structural Engineer-of-Record, Anastasia Island WWTP Modifications, St. Johns County, FL.** Mr. Francoforte completed the structural design calculations for a new reinforced concrete slab on grade for internal recycle pumps as well as modifications to existing return activated sludge (RAS)/waste activated sludge (WAS) pump stations which included shoring the existing masonry walls using helical piles. Additionally, he coordinated and reviewed structural calculations for two stainless steel baffle wall additions, and existing wall analysis subjected to large flowable fill lifts.
- **Structural Engineer, Frito-Lay Water Recovery and Reuse, Casa Grande, AZ.** Mr. Francoforte completed the structural design calculations and 3D AutoCAD models for a solids processing building. Structural calculations included ordinary reinforced concrete moment frames, vibration analysis of an elevated reinforced concrete slab supporting three large centrifuges, and foundation connections for pre-engineered metal canopies.
- **Structural Engineer, FPL Oil Water Separator (OWS) Upgrades, Martin County and Fort Myers, FL.** Mr. Francoforte completed the structural design calculations and analysis for two new OWS reinforced concrete slabs on grade and an analysis of an existing steel pipe rack to carry new process piping. Structural calculations included cast-in-place concrete slabs and structural steel framing. Additionally, Mr. Francoforte provided construction contract administration, including submittal review and RFIs.
- **Structural Engineer-of-Record, South District WWTP CD 1.09 Fog Removal Facility, Miami-Dade County, FL.** Mr. Francoforte completed the structural design calculations for a new exterior 4-ton overhead bridge crane, supported off structural steel framing and pile supports. Structural steel frame was designed for severe wind and flood loading as well as potential sea-level rise due to project location. Additionally, his responsibilities included submittal reviews, and RFIs during construction.
- **Structural Engineer, Valrico AWTP Ground Storage Tank Rehabilitation | Hillsborough County, FL.** The existing 5-MG reclaimed water storage tank, located at the County's Valrico AWTP, was cracked at the mid-section. CDM Smith provided engineering services to inspect the tank from the outside as well as inside to identify the source of the crack and subsequent leaking. Mr. Francoforte performed the structural evaluations as part of this project, which required confined space entry. Following his inspection, he provided recommendations for repair. Subsequently, Mr. Francoforte provided structural design services as part of the implementation of the recommended repairs, as well as construction phase engineering and inspection services.
- **Structural Engineer, T.E. Maxson Wastewater Treatment Facility Process Upgrades, Memphis, TN.** Mr. Francoforte assisted and oversaw the design and analysis of a new 360'L x 161'W reinforced concrete disinfection tank, structural aluminum walkways and platforms, reinforced concrete junction boxes, 140' diameter reinforced concrete clarifiers, a new 275'L x 139'W reinforced concrete reaeration basin and modifications to existing structures. Structural design included high seismic loads due to project location. Mr. Francoforte also assisted with the on-site structural inspection of six existing reinforced concrete Biofilter structures. Additionally, his responsibilities include submittal reviews, and requests for information (RFIs) during construction.

- **Structural Engineer-of-Record, Deltona North WTP Improvements, Volusia County, FL.** Mr. Francoforte assisted and oversaw the design and analysis of a new concrete generator foundation, along modifications to the existing operations building which included reinforced masonry infill walls as well as new interior partition walls. He provided calculation checking for all structures during design as well as submittal and RFI reviews during the construction phase.
- **Structural Engineer, T.E. Maxson WWTP Biogas Upgrade, Memphis, TN.** Mr. Francoforte assisted and oversaw the design and analysis of a new reinforced masonry blower building, reinforced concrete mat foundation for (5) 14' diameter x 48' tall bioreactor tanks, and reinforced concrete slab on grade for (5) new waste gas burner structures. Structural design included high seismic loads due to project location. Additionally, his responsibilities included submittal reviews, and requests for information (RFIs).
- **Structural Engineer, U.S. Army Corps of Engineers (USACE) – Raw Water Storage Impoundment, Savannah, GA.** Mr. Francoforte completed structural design calculations for a 105-foot by 35-foot pump station/ electrical building consisting of ordinary reinforced masonry shear walls, cast-in-place concrete foundations and steel joists with metal decking. He also completed the design calculations for a powdered activated carbon (PAC) silo cast-in-place foundation, precast building foundation, pump can foundations, and miscellaneous reinforced concrete slabs on grade.
- **Structural Engineer, Channel 4 and 4E Drainage Improvements, Pinellas Park, FL.** Mr. Francoforte completed the structural design calculations for roughly 350 linear feet (LF) of drainage channel. Structural calculations included cast-in-place concrete slabs, struts, grade beams, and retaining walls. Additionally, Mr. Francoforte provided construction contract administration, including submittal RFI.
- **Structural Engineer, Buckman Residuals Management Facility Anaerobic Digester Improvements, JEA, FL.** Mr. Francoforte completed the structural design calculations and 3D AutoCAD model for a new 6-foot wide by 72-foot long elevated steel pipe support bridge. Structural calculations included structural (tube) steel framing, connections, and cast-in-place concrete foundations, some with special consideration for existing underground utilities. Additionally, Mr. Francoforte provided construction contract administration, including submittal review and RFIs.
- **Structural Engineer, Tampa Bay Regional Water Treatment Plant (WTP) Facility Modification Work, Hillsborough County, FL.** Mr. Francoforte assisted the lead structural engineer with the structural design calculations for the electrical building, chemical feed building, and chemical storage structure. The calculations included the design of reinforced masonry shear walls, connection of pre-engineered metal roof trusses, metal joists with composite metal deck, and reinforced concrete strip foundations. His responsibilities included on-site inspections, submittal review, and RFIs.



# List of Proposed Sub-Consultants

Each Respondent shall provide any and all subcontractors or major materials suppliers proposed to perform any portion of work specified herein. Attach brief comprehensive resumes, including any and all licenses/certifications held. All proposed subcontractors are subject to approval by the County.

Division of Work	Name and Address of Subconsultant
Permitting/Regulatory Compliance Stormwater/Civil Design	<b>Nelson Engineering Company (NE)</b> Jeffrey S. Longshore 5455 North Courtenay Parkway Merritt Island, Florida 32953 (321) 210-5394   j.longshore@nelsonen grco.com
Survey	<b>Bradshaw-Niles &amp; Associates, Inc. (BNA)</b> Albert Dale Bradshaw, PSM, President 280 Business Park Circle, Suite 410 St. Augustine, FL 32095 (904) 829-2591   dbradshaw@bradshaw-niles.com
Geotechnical	<b>Meskell and Associates Engineering (MAE)</b> Lu Bryant 3728 Philips Highway, Ste. 208 Jacksonville, FL 32207 (904) 519-6990   lbryant@meskelengineering.com
Communications Planning	<b>Resource Recycling Systems, Inc. (RRS)</b> Marissa Segundo 416 Longshore Dr Ann Arbor, MI 48105 (734) 996-1361   info@recycle.com

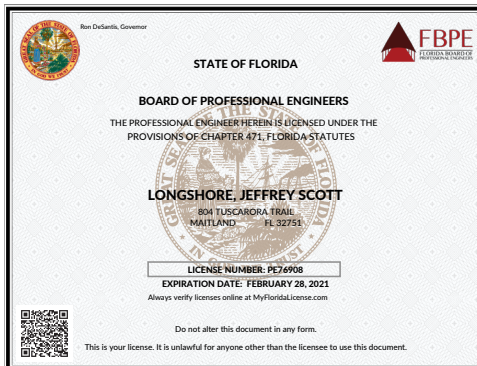
## Sub-Consultant Key Personnel List

Employee Name	Employee Title	# years employed	Total # years' experience
Jeffrey Longshore (NE)	Construction Services	13	15
Mark Novakowsky (NE)	Permitting/Regulatory Compliance	24	30
Scott Glancy (NE)	Stormwater/ Civil Design	4	6
Albert Dale Bradshaw (BNA)	Survey	21	32
Gordon Niles (BNA)	Survey	30	35
Rodney Mank (MAE)	Vice President	8	36
Brett Harbison (MAE)	Dir. Of Geotechnical Engineering	3	11
Marissa Segundo (RRS)	Communications Consultant	5	16
Erin Grimm (RRS)	Creative Strategist	5	11

### Sub-Consultant Licenses, Permits, Certifications

License Name	License #	Issuing Agency	Expiration Date
Jeffrey Longshore (NE)	FL-76908	State of Florida PE	02/28/2021
Scott Glancy (NE)	FL-87475	State of Florida PE	02/28/2021
Mark Novokowsky (NE)	PG2098	State of Florida PG	07/31/2022
Albert Dale Bradshaw (BNA)	5257	State of Florida PSM	2/28/2021
Gordon Niles (BNA)	4112	State of Florida PSM	2/28/2021
Rodney Mank (MAE)	FL-41986	State of Florida PE	2/28/2021
Brett Harbison (MAE)	FL-74679	State of Florida PE	2/28/2021

Copies of licenses and brief comprehensive resumes for above listed subconsultants are provided below for each individual listed above.

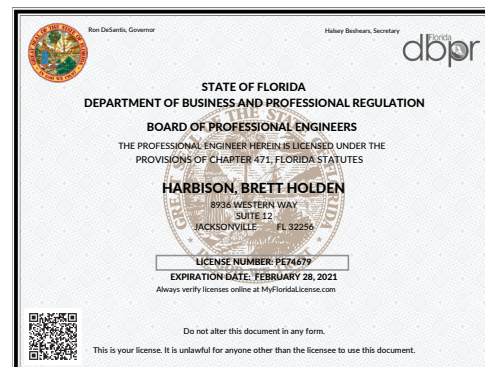
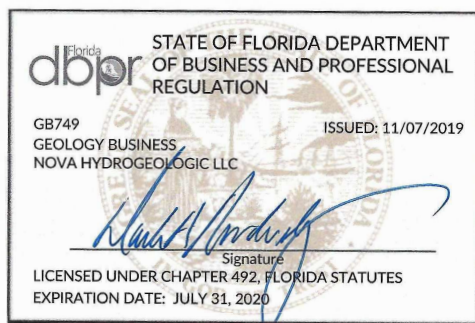
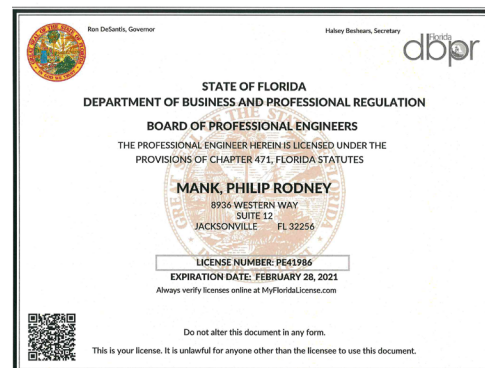
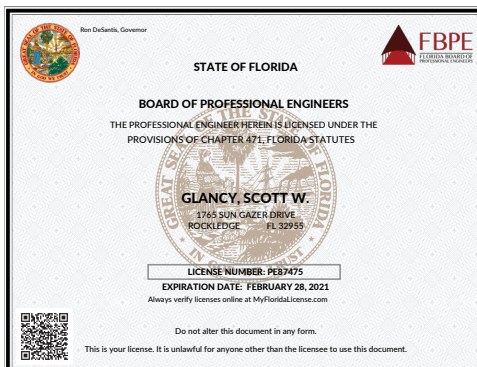


ALBERT D BRADSHAW 3725 STATE ROAD #16, ST AUGUSTINE, FL 32092				
License Type	License#	Issued	Expires	Status
Surveyor and Mapper	LS5257	07/19/93	02/28/21	Active
Surveyor of Record For	LB8824	10/20/97	02/28/21	Active

BRADSHAW NILES & ASSOCIATES, INC. 280 BUSINESS PARK CIR STE 410, ST AUGUSTINE, FL 32095-8836 Phone 904-829-2591				
License Type	License#	Issued	Expires	Status
Surveyor Business	LB8824	10/20/97	02/28/21	Active
Surveyor of Record	LS4112	06/28/84	02/28/21	Active
Surveyor of Record	LS5257	07/19/93	02/28/21	Active

GORDON RAYMOND NILES JR 2131 CORPORATE SQUARE BLVD, JACKSONVILLE, FL 32216-1919				
License Type	License#	Issued	Expires	Status
Surveyor and Mapper	LS4112	06/28/84	02/28/21	Active
Surveyor of Record For	LB4603	01/16/87	02/28/21	Active
Surveyor of Record For	LB8824	10/20/97	02/28/21	Active



**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

(Complete one Section E for each key person.)

12. NAME Jeffrey S. Longshore, PE	13. ROLE IN THIS CONTRACT Civil Engineer, Construction Management and Inspection	14. YEARS EXPERIENCE	
		a. TOTAL 15	b. WITH CURRENT FIRM 9

15. FIRM NAME AND LOCATION (City and State)  
Nelson Engineering Company, Merritt Island, Florida

16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Civil Engineering	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) FL Professional Engineer #76908; CO #54767; MD #42450; OH #84370; and TX #124458
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
Mr. Longshore is the Director of Civil and Environmental Engineering for Nelson Engineering and has broad experience in program and project management for facilities design engineering, construction administration, operations and maintenance, commissioning. His expertise includes operations and maintenance engineering for civil, structural and environmental infrastructure; facility and utility condition assessments and building inspection services; solid waste disposal, construction inspection services; and design engineering for civil site work, pavement, water distribution, wastewater systems and stormwater conveyance and treatment.

19. RELEVANT PROJECTS		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
a. St. Johns County Landfill, Elkton, Florida	2015	2019
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
Professional Engineer providing design and construction administration for renovation of the Tillman Ridge Phase 2 Leachate Collection System. Responsible for overseeing the design and construction to provide a fully automated leachate transmission system including complete control system replacement, new leachate tank level sensors, new actuated valve, flow meter and piping as required. The design was coordinated with the County's utility department to ensure compliance with discharge rates and maintenance and operation protocols.		
b. ULA LC-41 Vulcan Modifications Design, CCAFS, FL	2018-2019	2018-Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
Lead civil engineer and environmental engineer supporting modifications to LC-41 for new vehicle requirements. Modifications include new liquid natural gas (LNG) system and modifications to existing liquid hydrogen (LH2) system, liquid oxygen (LO2) system, and Acoustic Suppression Water System (ASWS). The scope of work included an environmental resource permit (ERP) through St Johns River Water Management District (SJRWMD), stormwater pollution prevention plans in accordance with the Florida Department of Environmental Protection (FDEP) National Pollution Discharge Elimination System (NPDES), and development of a National Environmental Policy Act (NEPA) Environmental Assessment.		
c. Facilities Engineering, Atlantic Undersea Test and Evaluation Center (AUTEK), Andros Island, Bahamas	2011-2013	Click or tap here to enter text.
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
Project Manager for a team of ten engineers conducting all facilities engineering functions for the AUTEK base. Provide design, cost estimates and construction management for new facilities, infrastructure upgrades, facility renovations and housing upgrades. Manage subcontractor performance including shop drawing review, construction quality control inspections, request for information submissions, and final acceptance testing. Develop long range plans for project programming, energy management, budgeting and prioritizing activities within available funding levels.		
d. Vehicle Assembly Building (VAB) Environmental Control System (ECS), NASA, KSC, FL	2017-2018	Click or tap here to enter text.
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	

	<p>Lead civil engineer and environmental engineer supporting the ECS and electrical systems at the KSC VAB. The design included construction drawings, specifications and cost estimation for identifying existing heavy metals, PCBs and ACM within the project area and the installation of a series of precast and cast in place concrete manholes, hand holes and electrical duct to connect a new electrical substation to the existing electrical switchgear building. The design used horizontal direction drilling (HDD) to avoid impacts to the existing, 50-inch thick road section.</p>			
	<p>(1) TITLE AND LOCATION <i>(City and State)</i>          Hangar K Refurbishment, CCAFS, FL</p>	<p>(2) YEAR COMPLETED</p> <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2013-2014</td> <td>CONSTRUCTION (If Applicable) NA</td> </tr> </table>	PROFESSIONAL SERVICES 2013-2014	CONSTRUCTION (If Applicable) NA
PROFESSIONAL SERVICES 2013-2014	CONSTRUCTION (If Applicable) NA			
	<p>(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE</p>	<input checked="" type="checkbox"/> Check if project performed with current firm		
e.	<p>Environmental Engineer performing Environmental/Hazardous Material Engineering Services for the refurbishment of Hangar K for the National Reconnaissance Organization. Addressed all issues with mold, mildew, asbestos containing material and hazardous paint coatings. Prepared drawings to identify hazardous material locations and quantities; specifications for the handling, management and disposal of hazardous materials; and cost estimates for abatement.</p>			
	<p>(1) TITLE AND LOCATION <i>(City and State)</i>          Upgrade KSC Barge Terminal for Space Launch Systems (SLS), KSC, FL</p>	<p>(2) YEAR COMPLETED</p> <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2016</td> <td>CONSTRUCTION (If Applicable) 2017</td> </tr> </table>	PROFESSIONAL SERVICES 2016	CONSTRUCTION (If Applicable) 2017
PROFESSIONAL SERVICES 2016	CONSTRUCTION (If Applicable) 2017			
	<p>(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE</p>	<input checked="" type="checkbox"/> Check if project performed with current firm		
f.	<p>Project Manager/Environmental Engineer responsible for programming and designing the permanent erosion control improvements as well as all environmental controls to sustain, restore and modernize the KSC Barge terminal including: wildlife impact mitigation plan; specifications for performing work over water; permitting assistance for Army Corps of Engineers and St Johns River Water Management District Dredge and Fill Permit; and identifying, handling, transportation and disposal of hazardous materials including heavy metal coatings, asbestos containing materials and polychlorinated biphenyls.</p>			

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

(Complete one Section E for each key person.)

12. NAME <b>Scott W. Glancy, PE</b>	13. ROLE IN THIS CONTRACT <b>Civil Engineer, Stormwater</b>	14. YEARS EXPERIENCE	
		a. TOTAL <b>6</b>	b. WITH CURRENT FIRM <b>4</b>
15. FIRM NAME AND LOCATION (City and State) <b>Nelson Engineering Company, Merritt Island, Florida</b>			
16. EDUCATION (DEGREE AND SPECIALIZATION) <b>Bachelor of Science, Civil Engineering</b>		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>Civil PE: FL# 87475</b>	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) <b>Department of Defense Secret Clearance</b>			

19. RELEVANT PROJECTS			
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
a.	<b>United Launch Alliance (ULA) Vulcan Program Cape Canaveral, FL</b>	<b>2018-2020</b>	<b>N/A</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
	Civil Design Engineer performing stormwater system design and permitting for the ULA Vulcan Program within Launch Complex 41. Project include civil design for the reconfigured site layouts for new roadways, LNG impoundment basin and pavement areas. Stormwater system design and modeling includes stormwater conveyance piping layout and resizing the existing and new ponds to treat and attenuate runoff discharging into a sensitive receiving water while meeting the St. Johns River Water Management District (SJRWMD) requirements. Developed Florida Department of Environmental Protection NPDES stormwater pollution prevention plan (SWPPP).		
b.	<b>Bechtel Mobile Launcher 2 Park Site 3 Stormwater Design Cape Canaveral, FL</b>	<b>2019-Present</b>	<b>N/A</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
	Lead Civil Design Engineer performing stormwater system design and permitting for the ML2 project stormwater improvements within the Park Site 3 area. Project included reconfigured site layouts for +/- 30.48 acres for new laydown areas, roadway, trailers, and pavement areas. Preformed value engineering to lower cut/fill quantities. Stormwater system design and modeling includes stormwater conveyance piping layout and resizing the existing and new ponds to treat and attenuate runoff discharging into a sensitive receiving water while meeting the SJRWMD requirements. Developed FDEP NPDES SWPPP.		
c.	<b>ULA ASOC Parking Lot Expansion &amp; SE Pavement Addition Cape Canaveral, FL</b>	<b>2019-2020</b>	<b>N/A</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
	Lead Civil Design Engineer performing stormwater system design and permitting for the ASOC parking lot expansion and SE pavement addition. Project included civil design for new parking lot and pavement areas. Stormwater system design includes modeling stormwater conveyance system and new dry pond to treat and attenuate runoff discharging into a sensitive receiving water while meeting the St. Johns River Water Management District (SJRWMD) requirements. Developed FDEP NPDES SWPPP.		
d.	<b>Repair Closed Loop Reactor &amp; Effluent System, Regional Wastewater Treatment Plan (RWWTP), Cape Canaveral, FL</b>	<b>2019</b>	<b>N/A</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
	Project Manager and Lead Civil Design Engineer for CCAFS RWWTP upgrades and repairs. Prepared drawings, specifications, cost estimate to the closed loop reactor (CLR), effluent pumping system and sludge dewatering system. Performed sludge dewatering trade study. Performed structural analysis on existing CLR concrete walls. Obtained FDEP wastewater permit modification.		
e.	<b>Replace Generators, South Substation Patrick Air Force Base, FL</b>	<b>2018</b>	<b>N/A</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
	Civil Engineer for the civil and environmental design for three new 2,250KW, 13.8kV diesel generators. Responsible for civil drawings, specifications, cost estimate, calculations and permitting for concrete equipment pads, controls shelter, access road, vault extension, duct bank and stormwater system, including SJRWMD ERP modification.		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

(Complete one Section E for each key person.)

12. NAME <b>Mark A. Novokowsky, P.G.</b>	13. ROLE IN THIS CONTRACT <b>Compliance</b>	14. YEARS EXPERIENCE	
		a. TOTAL <b>32</b>	b. WITH CURRENT FIRM

15. FIRM NAME AND LOCATION (City and State)  
**Nelson Engineering Company, Merritt Island, Florida**

16. EDUCATION (DEGREE AND SPECIALIZATION)  
**B.S. Geological Sciences, grad courses toward M.S.**

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)  
**Florida Geologist #2098, 2/28/21**

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
**National Ground Water Association, American Institute of Professional Geologists**

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
a.	<b>Facilities Engineering, Atlantic Undersea Test and Evaluation Center (AUTEC), Andros Island, Bahamas</b>	<b>2011</b>	<b>2015</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Professional Geologist performing a well field analysis for three fresh water sources at AUTEC. Assessment included identifying well locations, condition of wells, pumps and plumbing. Proposed design for refurbishment. Conducted groundwater modeling simulations for several pumping rate scenarios for normal and maximum demand periods to investigate effects of precipitation, recharge, ground water withdrawal and possible saltwater intrusion. Based on this analysis, NE provided design support and construction administration for the installation of 42 wells, 21 pumps and approximately 4,000 linear feet of raw water main piping.		
b.	<b>Coastal Construction and Demolition (C&amp;D) Landfill, Hudson, Florida</b>	<b>2000</b>	<b>2019</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Professional Geologist responsible for permitting and water quality monitoring at an 80-acre C&D landfill. Included project management, exploratory borings, monitoring well design/installation, permitting, hydrogeological studies, groundwater monitoring plans, modeling, recovery well design/installation, and collection/interpretation/evaluation of water quality data and lab results.		
c.	<b>Waste Pro USA Disposal Facilities, Longwood, Florida</b>	<b>2011</b>	<b>2019</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Professional Geologist responsible for permitting, water quality monitoring, site assessment, and aquifer cleanup where applicable at 8 C&D disposal facilities across Florida. Scope included project management, permitting, hydrogeological studies, ground water monitoring plans, modeling, remedial action, collection/interpretation/evaluation of water quality data and laboratory analytical results. Approximately \$2M for monitoring, assessment and cleanup.		
d.	<b>St. Johns County Landfill, Elkton, Florida</b>	<b>1999</b>	<b>2019</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Professional Geologist responsible for site assessment and aquifer cleanup at a 180-acre unlined Class I landfill. Scope included project management, hydrogeological studies, ground water monitoring plans, modeling, remedial action, collection/interpretation/evaluation of water quality data and laboratory analytical results. Approximately \$2M for assessment and cleanup.		
e.	<b>Chemko Industrial Facility, Mims, Florida</b>	<b>2002</b>	<b>2019</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Professional Geologist responsible for site assessment and aquifer cleanup at a 25-acre industrial site contaminated with perchloroethylene (PCE) and trichloroethylene (TCE) solvents. Project management, hydrogeological studies, ground water monitoring plans, computer modeling, recovery well design/installation, collection/interpretation/evaluation of soil and ground water data and laboratory analytical results. Approximately \$2M for assessment and cleanup.		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME <b>Albert Dale Bradshaw, PSM</b>	13. ROLE IN THIS CONTRACT Contract Manager/Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 32	b. WITH CURRENT FIRM 21

15. FIRM NAME AND LOCATION *(City and State)*  
Bradshaw-Niles & Associates, Inc., St. Augustine, Florida

16. EDUCATION *(DEGREE AND SPECIALIZATION)*  
St. Joseph Academy – High School Diploma

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*  
Professional Surveyor and Mapper #5257

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
Florida Surveying and Mapping Society Member, Immediate Past President, President, President-Elect, Vice President, Secretary, National Society of Professional Surveyors

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a.	Meadowbrook and Ravines WTP Improvements Clay County, FL	2014	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Bradshaw served as the Project Manager for this Topographic Survey. We located all buildings, above ground utility indicators, above ground tanks, all exposed piping and structures. We utilized robotic total stations and Trimble GPS to help our client meet scheduling goals. Cost: \$11,490		
b.	Raggedy Point, Clay County, FL	2014	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Bradshaw served as the Project Manager for this Topographic Survey. We provided spot elevations at 25-foot cross section intervals over this site. We utilized robotic total stations and Trimble GPS to help our client meet scheduling goals. Cost: \$7,390.		
c.	Spencer Water Main, Clay County, FL	2014	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Bradshaw served as the Project Manager for Topography Survey, Right of Way and Property Line Monumentation, Construction Layout and As-built services. We also provided construction layout and as-built services for the proposed water main. Cost: \$32,365		
d.	Spencer WWTF Clarifier No. 4, Clay County, FL	2018	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Bradshaw served as the Project Manager of this topographic survey for the for the area for the proposed Clarifier No. 4. We located all above ground utility indicators, above ground tanks, all exposed piping and structures and soft digs locations as requested by the project engineer. We utilized robotic total stations and Trimble GPS to help our client meet scheduling goals. Cost: \$9,150		
e.	Peter's Creek WTP, Clay County, FL	2018	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Bradshaw served as the Project Manager for this Topography. We acquired spot elevations at 50-foot cross section intervals. We located all above ground utility indicators, above ground tanks, all exposed piping and structures. We located soft dig locations as requested by the project engineer. We utilized robotic total stations and Trimble GPS to help our client meet scheduling goals. Cost: \$11,300		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME <b>Gordon R. Niles, P.S.M., C.H.</b>	13. ROLE IN THIS CONTRACT Project Manager – Topo Surveying, Project Manager/Party Chief - Hydrographic Surveying	14. YEARS EXPERIENCE	
		a. TOTAL 35	b. WITH CURRENT FIRM 30

15. FIRM NAME AND LOCATION (City and State) **Degrove Surveyors Inc. – Jacksonville, Florida**

16. EDUCATION (DEGREE AND SPECIALIZATION)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)	
<ul style="list-style-type: none"> <li>Bachelor of Land Surveying, University of Florida, 1981.</li> </ul>	<b>Florida</b> – Surveyor and Mapper #4112 <b>Georgia</b> – Land Surveyor #2546 <b>Alabama</b> – Land Surveyor #21783 <b>Mississippi</b> – Land Surveyor #3142	<b>South Carolina</b> – Land Surveyor #15189 <b>North Carolina</b> – Land Surveyor #5003 <b>Louisiana</b> – Land Surveyor #5063

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)	
<b>Organizations and Awards</b> Florida Surveying and Mapping Society <ul style="list-style-type: none"> <li>Fellow and Life Member</li> <li>Past President (1996-1997)</li> <li>Florida Surveyor of the Year (1997)</li> </ul> University of Florida Geomatics Advisory Committee – Member National Society of Professional Surveyors – Member The Hydrographic Society of America – Member	<b>Certifications</b> ACSM-THSOA Certified Hydrographer #260 HYPACK Certified (2016) HTSWEEP Certified (2016) <b>Training</b> HYPACK Multibeam, Singlebeam & Sidescan Sonar Training FSMS Sectional Retracement Camp 30 Hour OSHA Certification

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	<b>USACE Survey #16-009 – Biscayne Bay Support Topographic Survey – Miami-Dade County, Florida</b>	2017	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager for <b>Topographic, GPS, Utility and Control survey</b> of four sites along the L31-E canal system. Provided daily supervision and processing of data. <b>Feature codes</b> captured by the field crews for each point were used by Mr. Niles to capture <b>breaklines</b> and accurately display features. Project cost: \$88,613		
b.	<b>USACE Survey #13-075 – Brevard County SPP - Topographic and Hydrographic Monitoring Survey – Brevard County, Florida</b>	2016	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager and <b>Hydrographic Surveyor</b> for the survey of 113 profile lines. Profile lines extended 3,000 feet from the landward limits of the beach into the Atlantic Ocean. <b>RTK GPS was used for horizontal and vertical positioning</b> of the survey vessel and a MRU was utilized to correct for heave, pitch, and roll. <b>Feature codes</b> captured by the field crews for each point were used by Mr. Niles to capture <b>breaklines</b> and accurately display features. <b>HYPACK</b> was used to collect and process hydrographic data. Project cost: \$68,286		
c.	<b>USACE Survey 13-166 – Hydrographic Surveys – Steinhatchee River, Withlacoochee River, Homosassa River, Cedar Keys Harbor, Crystal River, Keaton Beach – Dixie, Taylor, Levy, &amp; Citrus Counties, Florida</b>	2013	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager and <b>Hydrographic Surveyor</b> for the <b>single-beam (dual frequency) Hydrographic Survey</b> of six river channels. Channel centerlines were surveyed with a dual-frequency transducer. <b>RTK GPS</b> was used for horizontal and vertical positioning of the survey vessel. Mr. Niles used <b>HYPACK</b> for acquisition and processing of hydrographic data. Total Project cost: \$47,433		
d.	<b>NAVFAC Southeast - Underwater Electro-Magnetic Measurement SystemType VI Upgrade Project - Mayport, Florida,</b>	2014	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager and Hydrographic Party Chief for <b>Multibeam survey</b> at entrance to Naval Station Mayport in support of construction activities. <b>RTK GPS was used for horizontal and Vertical positioning</b> . <b>HYPACK/HYSWEEP</b> was used for acquisition and processing. Project cost: \$23,000		
e.	<b>Southwest Florida Water Management District Hydrographic Survey of Kings Bay, Crystal River Florida</b>	2015	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager and <b>Hydrographic Surveyor</b> for the <b>dual frequency single-beam and subbottom profiler</b> surveys of the bay and tributaries in order to support study for proposed dredging to for environmental restoration. <b>HYPACK</b> was used for acquisition and processing of hydrographic data. Project cost: \$31,293.		



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## Brett H. Harbison, P.E.

### Senior Geotechnical Engineer



#### Licenses

Florida Professional Engineer No. 74679;  
Georgia Professional Engineer No. 37919

#### Education

BSCE – Florida State University, 2007

#### Certifications

Certified SmartPile EDC System (User ID # 020FL0029-13)

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### PROFESSIONAL EXPERIENCE

- Geotechnical and Materials Engineering
- Design-Build Consultation
- Construction Vibration and Noise Monitoring
- Pre- and Post- Construction Settlement Evaluation
- Pile Capacity Evaluation
- Deep Foundation Design Consulting
- Foundation Load Testing Consultation
- Soil Improvement
- Settlement Analysis and Monitoring
- Slope Stability Analysis and Monitoring

### SUMMARY OF QUALIFICATIONS

Brett has more than 12 years of field, laboratory, and geotechnical analysis experience on public and private projects throughout Florida. Brett has managed the entire geotechnical process which includes the planning, supervision of drilling, laboratory testing, analysis, and reporting for numerous Florida Department of Transportation projects both Design-Build and Bid-Build.

He has provided dynamic load testing services using the Smartpile EDC System on numerous pre-stressed, pre-cast concrete driven piles on bridge foundation construction projects throughout Florida.

### PROJECT EXPERIENCE

- City of Jacksonville Southbank Riverwalk Extension – Jacksonville, FL
- City of Jacksonville Riverplace Blvd. Streetscape Improvements – Jacksonville, FL
- JRTC Forsyth Road Widening – Jacksonville, FL
- City of Jacksonville Belfort Road Widening – Jacksonville, FL
- Asphalt Testing/Inspection and Routine Testing Annual Contract for the City of Jacksonville – Duval County, FL
- City of Jacksonville Gefen Park Northbank Riverwalk Improvements – Jacksonville, FL
- JAXPORT August Drive over Wynn Branch Creek – Jacksonville, FL
- City of Jacksonville Sidewalks and Pedestrian Improvements – Jacksonville, FL
- City of Jacksonville Miscellaneous Docks – Jacksonville, FL
- Lonnie Miller Sr. Regional Park Structures and Pedestrian Trail – Jacksonville, FL
- City of Jacksonville, Miscellaneous Park Improvements, Area 1 – Jacksonville, FL
- Engineering Testing Services Annual Contract: Soil Borings, Underwater Condition Surveys, and Related Tests for the City of Jacksonville – Duval County, FL
- FDOT D2 Districtwide Geotechnical Engineering, Florida
- FDOT D2 I-295 (SR 9A) Interchange at Commonwealth Avenue – Duval County, FL
- FDOT D2 First Coast Expressway, SR 23 from New World Avenue to Argyle Forest Boulevard – Clay County, FL
- FDOT D2 First Coast Expressway, SR 23 from Argyle Forest Boulevard to Blanding Boulevard – Clay County, FL
- FDOT D2 Starke By-Pass Segments 1 and 2 – Bradford County, FL

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## P. Rodney Mank, P.E.

### Vice President, Principal Engineer



#### Licenses

Florida Professional Engineer No. 41986  
Georgia Professional Engineer No. PE033805

#### Education

MBA - University of South Florida, 1996  
BSCE - University of Florida, 1984 / Graduate Courses, Civil Engineering: University of Central Florida,  
Florida International University, 1986-1988

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### PROFESSIONAL EXPERIENCE

- Geotechnical Investigations
- Plans and Specification Review
- Construction Inspection
- Shallow & Deep Foundation Evaluations and Recommendations
- Laboratory & Field Testing of Soils and Construction Materials
- Ground Modification Procedures
- Slope Stability Analysis
- Pavement Design
- Retaining & MSE Walls
- Pavement Evaluation
- Sinkhole Exploration & Remediation
- Dam Investigations & Remediation

### SUMMARY OF QUALIFICATIONS

Rodney is a licensed Professional Engineer in Florida and Georgia with more than 30 years of technical and managerial experience. His expertise includes planning, managing and engineering responsibilities on geotechnical explorations for all types of transportation facilities ranging from new divided roadways to lane widenings, and design and construction of bridges to intersection improvements including walls and miscellaneous structures. His extensive experience also includes directing field crews and field and laboratory testing and inspection programs during construction.

### PROJECT EXPERIENCE

- JEA Park & King 13.2-4KV Substation – Jacksonville, FL
- SJCUD TR-50 Well Project – St. Johns County, FL
- McCoy's Creek Restoration – Duval County, FL
- JEA Southwest WRF Expansion – Jacksonville, FL
- JEA Buckman Biosolids Relocation of Dewatering & Thickening Buildings and PAD Tanks – Jacksonville, FL
- CCUA Saratoga Springs – Clay County, FL
- Ponte Vedra Water Reclamation Facility – St. Johns County, FL
- FPUC Stepdown Substation High Side Circuit Switchers – Fernandina Beach, FL
- JTA IBT Greyhound Site (JRTC) – Jacksonville, FL
- JEA Westport Substation – Jacksonville, FL
- FDOT D2 Districtwide Geotechnical Engineering, Florida
- CCUA Geotechnical Engineering & Testing Professional Services – Clay County, FL
- CCUA Stormwater Harvesting Pilot Project Feasibility Study – Middleburg, FL
- City of Jacksonville New Southbank Riverwalk – Jacksonville, FL
- City of Jacksonville Sidewalks and Pedestrian Improvements, Jacksonville, FL
- City of Green Cove Springs Public Service Building – Clay County, FL
- City of Labelle New Water Treatment Plant – Hendry County, FL



# MARISSA SEGUNDO

## communications consultant

734.996.1361 EXT. 121 • MSEGUNDO@RECYCLE.COM  
OPERATES OUT OF ST PETERSBURG, FLORIDA

Marissa Segundo is a Communications Consultant with more than 15 years of experience in successful strategic planning, media relations, and team leadership. As a bilingual communicator, Marissa is proud to be a proactive bridge-builder to the Hispanic community. She has provided clients in the public and private sectors, as well as product stewardship initiatives with innovative communications plans centered on sustainability, waste reduction, and recycling. Marissa utilizes a variety of digital and traditional outreach methods and stresses the importance of understanding your impact through measurement of effort. Her recycling communications strategies have earned multiple awards at the local, state, national, and international levels. Marissa is accredited in public relations and LEED and is a certified recycling systems manager; she was named a Waste360 40 Under 40 recipient in 2020.

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## project highlights

### **CITY OF LAKELAND, FLORIDA**

*Strategic Communications Rebranding; Project Manager*

### **ST. JOHNS COUNTY, FLORIDA**

*Recycling Coordinator Handbook & Strategic Communications Rebranding; Project Manager (Subcontract with CDM Smith)*

Created a recycling coordinator handbook complete with step-by-step best practices for initiating a school recycling program, maximizing outreach opportunities to residents and commercial businesses, and pinpointing measures of success in each area. Assisted in identifying uncalculated recycling tons reported to the state of Florida.

### **SOUTHEASTERN OAKLAND COUNTY RESOURCE RECOVERY AUTHORITY (SOCRRA)**

*Ongoing Communications Support; Project Manager*

Regularly shapes a two-way communication vessel for SOCRRA's more than 700 Facebook followers that fosters positive relationships between residents and SOCRRA and increasing followers by 15%. Developed long-term strategy for sustainable communications for SOCRRA in anticipation of the largest infrastructure change in more than a decade and worked closely with SOCRRA staff to provide content and design for monthly newsletter.

### **FOODSERVICE PACKAGING INSTITUTE (FPI)**

*Ongoing Communications Support for Community Partner Program; Project Team*

Developed communications strategy and assisted in the strategy implementation including advertisement design support, social media engagement, program kick-off events, and media opportunities. Engaged with recycling representatives, communications teams, and program directors in cities adding new foodservice packaging items to their recycling programs. Through a communications support program, community partners received customized communication plans to maximize their current recycling communications priorities while highlighting the new recyclables.

### **MICHIGAN RECYCLING COALITION (MRC)**

*Communications Strategy for Recycle, MI Campaign; Project Manager*

Developed a multi-module communications strategy to create brand ambassadors for the Recycle, MI brand previously developed by the MRC. The strategy, rolled out at MRC's annual conference, incorporated social media, photos of brand ambassadors, a slogan/campaign *Recycle, MI You are Here* for the Department of Natural Resources partnership brand, and digital tactics which laid the groundwork for future website content and a Recycle, MI partner program.

## past experience

### **CITY OF LARGO, FLORIDA**

*2009 – 2015: Recycling Coordinator*

Managed the recycling and waste reduction program, as well as communications, media interaction and educational outreach. Through strategic planning helped to divert more than 44,000 tons from the landfill saving nearly \$2 million over six years in tipping fees; 60% increase in recycling tons within one year. Received the Best of the Bay - Best Queen of Green award in 2013 for the recycling and waste reduction promotion in Largo and the Tampa Bay area.

### **SOCIETY FOR THE PREVENTION OF CRUELTY TO ANIMALS (SPCA) TAMPA BAY**

*2004 – 2009: Public Relations Manager*

Spokesperson and media manager with engagement through television, print, and radio, in both English and Spanish. Within time position held, pet adoptions increased by 13% - the largest increase in its 75-year-history. Successfully reached out to untapped Hispanic community through TV, radio and print interviews, events, and customer service.

## Education/certification

### **SOUTHEAST MISSOURI STATE UNIVERSITY, CAPE GIRARDEAU, MISSOURI**

*Bachelor of Science, Mass Communications-Public Relations*

*Bachelor of Arts, Foreign Languages-Spanish*

### **UNIVERSITY OF SOUTH FLORIDA MUMA COLLEGE OF BUSINESS**

*Digital Marketing Certificate*

### **UNIVERSAL BOARD OF ACCREDITATION & PUBLIC RELATIONS SOCIETY OF AMERICA (PRSA) NATIONAL**

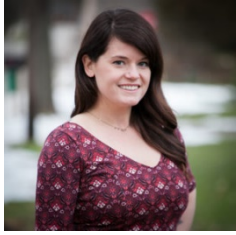
*Accreditation in Public Relations (APR)*

### **US GREEN BUILDING COUNCIL**

*Accreditation in Leadership in Energy and Environmental Design (LEED) – Green Associate*

### **SOLID WASTE ASSOCIATION OF NORTH AMERICA (SWANA)**

*Certified Recycling Systems Manager*



# ERIN GRIMM

creative strategist

734.996.1361 EXT. 133 • [EGRIMM@RECYCLE.COM](mailto:EGRIMM@RECYCLE.COM) OPERATES OUT OF ANN ARBOR, MICHIGAN

Erin Grimm is the Creative Strategist at RRS, responsible for transforming highly technical data and complex concepts into visually appealing and compelling elements of communication. With over 10 years of experience, Erin utilizes design thinking to collaborate with clients and team members on the development and execution of comprehensive and dynamic visual solutions for internal and external projects. Erin has expertise in branding, web design, print design, photography/videography, infographics, presentation design and more.

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## project highlights

### ST. JOHNS COUNTY, FLORIDA

*Branding and Communications Implementation; Project Team*

Created a comprehensive brand style and multimedia communications/marketing materials for St. Johns County's curbside recycling program. Developed and executed informational recycling website, print materials, and presentations utilizing updated brand style.

### MICHIGAN DEPARTMENT OF ENERGY, GREAT LAKES, AND ENVIRONMENT

*Partnership and Innovation Project; Project Team*

Designing brand collateral for state-wide, multi-year contract to create a platform to establish partnerships to grow recycling in Michigan and develop a challenge competition to overcome barriers associated with the use of recycled materials. Work will attract investment in Michigan recycling and grow local programs and businesses by building partnerships, collecting and interpreting data, innovating through economic development, relationship management, materials marketing, and best management practices dissemination.

### OREGON DEQ

*Recycling Systems Frameworks; Project Team*

Designed high impact graphics to visually depict ten sustainable materials management frameworks and five potential framework scenarios in terms of how well each fulfills a pre-defined set of criteria that together characterize a well-structured, sustainably funded, high performing recycling system. See:

<https://www.oregon.gov/deq/recycling/Documents/RRS5FrameworkScenarios.pdf>

### FOUNDATION FOR CHEMISTRY RESEARCH AND INITIATIVES

*Materials Recovery for the Future (MRFF); Project Team*

Led design elements to describe research intending to understand and enhance recovery solutions for flexible plastic packaging. See: <https://www.materialsrecoveryforthefuture.com/wp-content/uploads/2016/09/Flexible-Packaging-Sortation-at-Materials-Recovery-Facilities-RRS-Research-Report.pdf>

### GLOBAL FOOD AND BEVERAGE COMPANY

*Recycle Rally – Multimedia Content Creation; Project Team*

Provided strategic and design support on a campaign to promote recycling in daily practices to K-12 students and the general public. Content created includes stop-motion animated GIFs, custom illustrations, infographics, email newsletters, and additional print and web-based collateral and display items.

### **SOUTHEASTERN OAKLAND COUNTY RESOURCE RECOVERY AUTHORITY (SOCRRA)**

*Recycling Cart Roll-Out – Branding and Multimedia Content Creation; Project Team*

Supported the implementation of a curbside recycling cart program through the design and development of refreshed brand identity, an informational microsite, and photography shot on-site at press events.

### **THE RECYCLING PARTNERSHIP**

*Communications Baseline Development and Support; Project Team*

Designed an infographic and webinar slide deck featuring original, custom illustrations promoting the implementation of a single-stream, cart-based curbside recycling program and the overall improvement of residential curbside recycling across the U.S.

### **FOODSERVICE PACKAGING INSTITUTE**

*California Regional Communications; Project Team*

Developed and executed the design of an informational website providing resources to California communities, MRFs, and end markets on the inclusion of foodservice packaging items in their programs. Created additional print and web-based marketing collateral pieces to support messaging.

## **past experience**

### **UNIVERSITY OF MICHIGAN LIFE SCIENCES INSTITUTE**

*2014 – 2015: Multimedia Designer*

Produced a variety of original concepts and design for use in websites, annual reports, brochures, campaigns, and presentations. In addition, shot and edited high-quality video and photography utilizing DSLR camera.

### **TEACH FOR AMERICA**

*2012 – 2014: Corps Member*

Selected from approximately 50,000 applicants nationwide to commit to teach in urban and rural communities across the country. Engaged in and lead professional development activities and learning teams specific to teaching licensed area. Utilized graphic design to produce various promotional materials for placement school.

### **BLACK RABBIT DESIGN**

*2011 – 2015: Owner*

Founded creative services company to work with individuals and organizations across various industries to produce print and digital marketing materials, branding solutions, and multimedia creative content.

## **education**

### **OAKLAND UNIVERSITY, ROCHESTER, MICHIGAN**

*Master of Arts, Teaching*

### **UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN**

*Bachelor of Arts, Arts and Ideas in Humanities*



# Section 4 Related Experience

# Previous Experience

## 1 SOLID WASTE MASTER PLAN DEVELOPMENT AND IMPLEMENTATION

**Company:** St. John's County Waste Division

**Background:** The County retained CDM Smith to develop a solid waste master plan encompassing the key focus areas of delivery, business processes, and education & outreach. The CDM Smith team worked closely with the County's Solid Waste Division to develop a list of more than 50 initiatives with near-term, medium-term, and long-term implementation timelines.

**Approach:** In the subsequent five years, the CDM Smith team and key subconsultant RRS have assisted the County in implementation of Master Plan recommendations related to *standardization of the County's Recycling Coordinator position and re-branding of the County Solid Waste Program – Recycle St. Johns*. Through the implementation phase, CDM Smith and RRS developed a standard operating procedure manual for the Recycling Coordinator covering areas such as residential, commercial, and school related recycling outreach and reporting. This report enabled the County Recycling Coordinator to provide standardized policies and procedures for the execution of recycling program initiatives. Concurrently, CDM Smith and RRS assisted in the *development of a new St. Johns County branding and communications plan*. After a successful *public survey* to determine the program components most important to County residents, a new logo and tagline were developed – *Recycle St. Johns, It's Our County*. The team also developed a new website, social media communications plan, various branded giveaways, a residential recycling brochure, and the script for 30-second commercial advertising correct procedures for residential recycling. Upon implementation, the new branding and communications plan will represent the first major update of the Solid Waste Division public facing image.

**Deliverables:** Master Plan (2016), Recycling Coordinator SOP (2017), Re-branding and Communications Plan (2018-2019)

**Key participants:** Lisa Sterling - Project Manager, Marissa Segundo - Communications Lead, Kevin Vann - Quality Manager







## SEMI-ANNUAL WATER QUALITY COMPLIANCE MONITORING AND ANNUAL STORMWATER INSPECTIONS (GW monitoring and Stormwater inspections), St. Johns County



**Company:** St. John's County Waste Division



**Background:** Nelson Engineering Co. has been supporting the County for the past 20 years on projects such as the operation of Tillman Ridge Phase I and II Landfill; and groundwater & stormwater inspections and certifications for the closed Tillman Ridge Phase I and II Landfills and Tillman Ridge and Stratton solid waste transfer stations. Their monitoring services consistently meet and/or exceed all applicable permit conditions which have provide St. Johns County with an excellent reputation in the eyes of the Florida Department of Environmental Protection. Nelson also performs design engineering, stormwater inspections and certifications, and Florida Department of Environmental Protection (FDEP) permitting.



**Approach:** Nelson has provided work for the County on two types of projects: fieldwork, such as sampling and assessment, which requires preparation prior to going to the site; and engineering/analytical office work which requires data analyses and interpretation, software and the ability to prepare reports and permit compliance documentation.

Nelson's **field method expertise for groundwater monitoring and stormwater assessment** at the Tillman Ridge Phase I and II landfills employs the most current hardware and software in the industry. This is achieved by upgrading field equipment and software every two to three years. Their most recent field equipment upgrade took place in October 2018 with the purchase of all new field monitoring and testing instruments for water quality monitoring. The software upgrades for the instruments are kept current and automatically provide the required record keeping and calibration data used for all semiannual water quality monitoring events

Nelson's fundamental engineering/analytical approach obtains and maintains a complete understanding of past history of the project, current issues, and customer desires and objectives. It then **analyzes and interprets the existing data** for reasonableness and data integrity. Based on the data results, the draft engineering product is prepared, reviewed and submitted to the customer and, regulatory agencies.



**Deliverables:** Semiannual groundwater monitoring and reporting and annual stormwater inspection and certifications



**Key participants:** Jeff Longshore, Mark Novokowsky



## KENNEDY SPACE CENTER STORMWATER DESIGN AND PERMITTING, Merritt Island, FL



**Company:** National Aeronautics and Space Administration, Kennedy Space Center



**Background:** Nelson Engineering Co. completed the *civil/stormwater design and permitting* effort for all site improvements associated with NASA's Mobile Launcher 2 (ML2) Park Site 3 at Kennedy Space Center. They provided design drawings, stormwater report, quantity take offs, permit related documents and future construction support under the awarded Subcontract No. 26046-000-SRA-CD04-00001ed.



**Approach:** Nelson reviewed the initial design documents and supplied multiple site and permitting options to obtain NASA and a St. Johns River Water Management (SJRWMD) Environmental Resource Permit (ERP). They scheduled pre-application meetings with NASA and SJRWMD and presented the options; requested feedback and participation; and obtained concurrence prior to developing the initial stormwater design. This process helped *expedite the design and permitting process* to meet the client's timeframe and ensure all jurisdiction requirements were met.

The +/- 30.48-acre project site design included the following: installing #57 stone and geotextiles throughout the site for construction areas, parking and pedestrian pathways, new elevated construction trailers; installing a new asphalt roadway across the existing crawlerway; and installing new cast in place concrete pedestals. The stormwater design included modifications to two existing ERPs and construction of new stormwater management areas. New conveyances, such as swales, inlet structures, and piping were designed to route stormwater to a new dry retention area with a new concrete weir control structure. The dry retention area maximized use of existing low lying areas to reduce construction cost and meet all NASA and SJRWMD design requirements for treatment, attenuation, recovery, and pollution loading. The stormwater system was designed specifically to support the construction of the new ML2 and to not impact existing property features, such as surface water and wetlands. Nelson performed value engineering to lower cut/fill quantities to mitigate construction cost and developed a Florida Department of Environmental Protection NPDES stormwater pollution prevention plan (SWPPP).



**Deliverables:** SJRWMD Pre-application Meeting, Conceptual Stormwater Design, Final Stormwater Design, SJRWMD ERP Application Package and NPDES SWPPP.



**Key participants:** Jeff Longshore, Scott Glancy



## WASTE CONVERSION FACILITY ASSISTANCE, St. Lucie County, FL



**Company:** St. Lucie County Public Utilities and Solid Waste



**Background:** St. Lucie County's Baling and Recycling Facility receives solid waste from the City of Port St. Lucie, St. Lucie Village, and unincorporated St. Lucie County. Class I municipal solid waste is routed through the baling and recycling facility, construction and demolition (C&D) debris is processed through the C&D debris processing facility, and yard waste is mulched and hauled off-site and/or disposed of in the Class I landfill. These facilities have extended the useful life of the Baling and Recycling Facility site but still relies on landfilling as a means for disposal of Class I municipal waste and C&D debris. St. Lucie County's goal is to implement a waste conversion technology to supplement the existing facilities and reduce or eliminate the need for landfilling as a means of disposal. CDM Smith was retained to provide professional assistance associated with the **development of a potential waste conversion facility.**



**Approach:** CDM Smith is assisting St. Lucie County in miscellaneous professional services including data collection, development of a Request for Qualifications (RFQ), review of RFQ submittals, contract negotiations, technical evaluation and miscellaneous document review, and workshops/meetings on an as requested basis. CDM Smith attended a site visit with St. Lucie County officials to the Enerkem Alberta Biofuels Facility located in Edmonton, Canada and prepared a technical memorandum summarizing the site visit including a description of the facility's process and photographs. CDM Smith has assisted with **financial analysis of the operating costs** for the Baling and Recycling Facility site to determine the tipping fee that would be required to fund the solid waste management system in the future. CDM Smith also helped with reviewing technical documents and plans and has participated in various **public workshops and presentations.**



**Deliverables:** Request for Qualifications, Record Documents, Enerkem Site Visit Technical Memorandum, Financial Evaluation



**Key Participants:** Eric Grotke – Officer-in-Charge; Kevin Vann – Project Manager; Joe Curro – Project Engineer; Aamod Sonawane – Quality Manager

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PROJECT

## PALM CITY II LANDFILL ROUTINE PERMIT COMPLIANCE, Martin County, FL

**Company:** Martin County Utilities and Solid Waste

**Background information:** Martin County retained CDM Smith to assist the County in maintaining regulatory compliance by monitoring and maintaining its landfill gas system and preparing and submitting documentation to the United States Environmental Protection Agency (EPA) and Florida Department of Environmental Protection (FDEP) for the Palm City II Landfill and Transfer Station site.

**Approach:** Our work included:

- Annual update of closure and long-term care costs
- Bi-monthly facility compliance coordination and meetings
- Quarterly landfill gas migration monitoring and reporting
- Performing annual surface emissions monitoring
- NPDES reporting and monitoring assistance
- Title V reporting including Semi-Annual Operating Reports, Statement of Compliance, Annual Emissions Fee, and the Electronic Annual Operation Report
- Landfill gas system monthly monitoring and balancing
- Landfill gas system condition inspections and routine maintenance
- Flare downtime resolution
- Gas well inactivation plan implementation
- Annual visible emissions testing
- Annual flare sampling and performance testing
- Semi-annual groundwater contour maps



**Deliverables:** Closure and Long-Term Care Cost Estimates; Landfill Gas Migration Reports; Title V Semi-Annual Operating Reports, Statement of Compliance, Annual Emissions Fee and Electronic Annual Operation Report; Inactivation Plan Updates, Annual Flare Performance Test Report; Potentiometric Surface Contour Maps



**Key participants:** Eric Grotke – Officer-in-Charge; Kevin Vann – Program Manager; David Hightower – Project Manager; Joe Curro – Technical Advisor; Kurt Westerlund – Project Engineer; Cynthia Hibbard – Technical Advisor; Amy Hightower – Project Engineer





## SOLID WASTE LONG-RANGE PLANNING ANALYSIS, Martin County, FL



**Company:** Martin County Utilities and Solid Waste



**Background information:** Martin County retained CDM Smith to review their current disposal and collection programs in accordance with the requirements of their Comprehensive Growth Management Plan and help achieve the following level of service:

- **Disposal facilities or landfill sites:** 2002 began a 30-year contract with Okeechobee County Landfill Inc. for disposal of Class I and Class III solid waste. After completion of the initial 15 years, evaluate all options for the remainder of the contract.
- **Resource recovery and other processing facilities:** Reduce waste tonnage by 30 percent through resource recovery methods including incineration.
- **Hazardous waste storage and transfer facilities:** Maintain the capacity to store and transfer hazardous wastes at the minimum rate of one-tenth of one percent of the Class I waste stream for homeowners.



**Approach:** To assist Martin County with this project, CDM Smith *reviewed and evaluated their current disposal agreement* with the Okeechobee Landfill as well as evaluated alternate programs. The evaluation included an *analysis of several alternatives* including continuation with the current disposal agreement with the Okeechobee Landfill and negotiating a renewal, disposal of a portion or all of the waste at the St. Lucie County Baling and Recycling Facility (including a future waste conversion facility), and disposal of a portion or all of the waste at the Solid Waste Authority of Palm Beach County Waste to Energy Facility, disposal at the J.E.D./Omni Solid Waste Management Facility in Osceola County. The analysis included a *determination if the alternatives would help Martin County meet the 75 percent recycling goal.*

CDM Smith evaluated potential outcomes that included renewing the current contract with no changes, renegotiate with specific limited changes, renegotiate to separate hauling from disposal, renegotiate with other identified improvements, renegotiate to incorporate alternative disposal programs, terminate, and pursue other alternatives.

CDM Smith prepared a *summary report* that included solid waste generation projections, summary of the disposal options, cost evaluation of each disposal option, and a matrix of the evaluation criteria for each disposal option that included disposal cost, hauling costs, and other advantages and disadvantages, and a recommendation on the option most viable for Martin County.



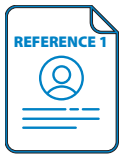
**Deliverables:** Solid Waste Long-Range Planning Analysis Summary Report



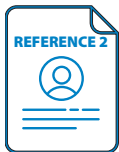
**Key participants:** Eric Grotke – Officer-in-Charge; Kevin Vann – Program Manager; Amy Hightower – Project Manager/Project Engineer; Cheyenne Stowers – Project Engineer; Kurt Westerlund – Project Engineer

# Project References

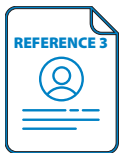
Each Respondent must submit a list of five project references from individuals, firms, or agencies that have contracted with the respondent to perform services of similar size and scope as those described in this RFQ. The information required shall include reference company name, date(s) of service, project information including name of project, and a contact person name, title, phone number and email address. References shall be checked by the Purchasing Department.



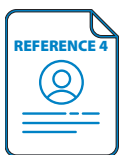
**Reference Company Name:** St. Johns County Solid Waste Master Plan  
**Date(s) of Service:** June 2014 – September 2020  
**Project Information (Type of Study):** Master Plan Development and Implementation  
**Primary Reference Contact Name and Title:** Greg Caldwell  
**Contact Phone Number:** 904-209-0266  
**Contact Email Address:** gcaldwell@sjcfl.us



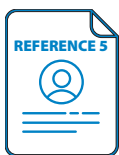
**Reference Company Name:** St. Lucie County Public Utilities and Solid Waste  
**Date(s) of Service:** 2015 - Ongoing  
**Project Information (Type of Study):** Waste Conversion Facility Assistance  
**Primary Reference Contact Name and Title:** George Landry, Director  
**Contact Phone Number:** 772-462-1846  
**Contact Email Address:** LandryG@stlucieco.org



**Reference Company Name:** City of Jacksonville  
**Date(s) of Service:** 2010 - Ongoing  
**Project Information (Type of Study):** Trail Ridge Landfill Expansion  
**Primary Reference Contact Name and Title:** Jeffery S. Foster, Solid Waste Environmental Engineering Manager  
**Contact Phone Number:** 904-381-8205  
**Contact Email Address:** JSFoster@coj.net



**Reference Company Name:** Martin County Utilities and Solid Waste  
**Date(s) of Service:** 2001 - Ongoing  
**Project Information (Type of Study):** Palm City II Landfill Routine Permit Compliance  
**Date(s) of Service:** 2018 - 2019  
**Project Information (Type of Study):** Solid Waste Long-Range Planning Analysis  
**Primary Reference Contact Name and Title:** Greg Schommer, Solid Waste Administrator  
**Contact Phone Number:** 772-419-6939  
**Contact Email Address:** aschomme@martin.fl.us



**Reference Company Name:** Pinellas County, Department of Solid Waste  
**Date(s) of Service:** August 2019 – Ongoing  
**Project Information (Type of Study):** Professional Solid Waste Landfill and Ancillary Facilities Consulting Services  
**Primary Reference Contact Name and Title:** Charles Mangio, CPM Solid Waste Program Manager  
**Contact Phone Number:** 727-464-7544  
**Contact Email Address:** cmangio@co.pinellas.fl.us



## Section 5 Project Approach & Understanding

# Project Approach & Understanding

CDM Smith is experienced in all aspects of solid waste engineering and has served the waste needs of municipal and industrial clients in Florida for more than 43 years. As a full service consulting, engineering, and construction firm we offer in-house expertise in landfill management, waste transfer stations, recycling, energy recovery, and public outreach. Our solid waste professionals provide the unique mix of technical, legal, institutional, and financial disciplines needed to efficiently serve solid waste clients such as St. Johns County.

## Stormwater System Inspections & Certifications

CDM Smith will partner with Nelson Engineering Co. (Nelson) to provide a full range of solid waste permitting and compliance tasks for the Florida Department of Environmental Protection (FDEP) Solid Waste and Environmental Resource Permit (ERP) requirements of closed landfills. Nelson has provided these services to the County for 20 years and is exclusively on the CDM Smith team. Headed by Mark Novokowsky, they will continue to inspect the stormwater systems for the closed Tillman Ridge Phase I and Phase II Landfills, Tillman Ridge Transfer Station, and Stratton Road Transfer Station to ensure functioning performance of each stormwater component with respect to the original design and permitted requirements. Nelson will prepare an annual stormwater system inspection and certification report for the County's internal files. Each report will describe stormwater system components, include a map identifying each system and components, and provide an evaluation of each system and its components utilizing FDEP inspection forms. Nelson's institutional knowledge of the facilities will provide the County with unparalleled service to maintain compliance. Additionally, where deficiencies are identified, Scott Glancy will lead the team to propose repairs to restore the intended stormwater functionality. Construction plans and specifications would be developed to allow internal County crews to perform the repair work or for public bidding and execution depending on the size of the project.

## Solid Waste Compliance: Financial Assurance Cost Estimating, Adjustments & Certifications

CDM Smith and Nelson both have a successful track records nationwide in obtaining and maintaining compliance with solid waste facility permits for landfills, transfer stations, and waste-to-energy (WTE) facilities. These contracts routinely include semi-annual monitoring, annual aerial surveys, financial assurances reporting, Title V reporting, and greenhouse gas reporting in accordance with facility solid waste permits, Title V Air permits, environmental permits, and NPDES stormwater permits. Additionally, Nelson has

been providing many of these services to the County on the closed Tillman Ridge Landfill by conducting semi-annual groundwater monitoring for the closed landfill (Tillman Ridge Landfill Phase II) and natural attenuation monitoring for Tillman Ridge Landfill Phase I, which is now outside its long-term care period. Additionally, Nelson will perform quarterly inspections of the Tillman Ridge and Stratton Road Transfer Stations as required by the facilities' solid waste permits.

Based on our ongoing solid waste work throughout Florida, CDM Smith is able to obtain recent closure and long-term cost estimates for similar facilities to determine the financial assurance cost estimates for long-term care for the closed Tillman Ridge Phase II Landfill. These estimates are documented in FDEP form 62-701.900(28) and submitted annually to the FDEP Northeast District. We have provided both closure and long-term care cost estimates for facilities throughout Florida including St. Lucie County, Martin County, and the City of Jacksonville.

## Options for Collection, Disposal, Recycling, Long-Term Care, Litter Prevention, and Hazardous Waste Programs

### Transfer Stations and Materials Recovery Facilities

The County currently operates two transfer stations at Tillman Ridge and Stratton Road, which serve the south and north service areas respectively. Transfer stations can often reduce hauling costs and increase the efficiency of solid waste management systems. We will work with the County to assess the condition of the existing transfer stations and determine if any upgrades to the existing facilities are desired. As part of the Master Plan development in 2016, the CDM Smith team conducted a condition assessment of the existing transfer stations along with a schedule for regular maintenance and improvements. In addition to these planning functions, we can perform detailed design, cost estimating, construction related services, and if desired, full design-build construction of these facilities as well.

When emergency repairs are necessary, the CDM Smith team will mobilize to develop the necessary construction plans and provide the necessary construction oversight to complete repairs with minimum disruption to active transfer station operations. For example, when the Ormond Beach transfer station required an emergency repair to one of the elevated slabs over its transfer aisle, the repairs were designed and implemented while keeping half the tipping floor open to maintain full-time operations throughout construction.



We implement creative, cost-effective solutions from simple transfer stations to complex facilities incorporating advanced design and processing technologies, such as recycling, composting, bio-fuels, energy recovery, LEED®- and Envision-certified designs, and other sustainable solutions.

## Disposal

Landfilling of municipal solid waste (MSW) is still considered to be the typical disposal method for Northeast Florida with more than ten operational landfills within a 100 mile radius of St. Johns County. Currently, the County utilizes its two transfer stations to consolidate and transport MSW to Chesser Island Landfill in Georgia. In 2019, CDM Smith conducted planning study to evaluate various disposal options in the Northeast Florida and South Georgia regions so the County could start planning for the day when landfilling of waste was no longer desirable due to reduction in landfill space, rising transportation costs, increased processing costs for recyclables, or a desire to meet state recycling goals. The study included a financial assessment of multiple options over a 20 year time period, considering collection frequency, yard waste volume, MSW volume, operational costs, future CIP projects and resulted in projections for solid waste assessment rates for the various scenarios identified.

## Solid Waste Recycling Systems Design and Evaluation

Recycling continues to be an important component for solid waste management plans. As cities and states continue to implement and enact sustainability or “green” initiatives, recycling programs become essential for success. We have helped numerous clients incorporate recycling into their overall solid waste management strategies. We offer the technical expertise and full range of services required to develop and implement effective, fully integrated recycling programs. These services include program planning and development, waste composition analysis, materials market studies, financial planning, siting, equipment selection, grant applications preparation facility design, procurement, and development of public outreach and education campaigns. We assisted the County with developing a manual of standard operating procedures for the recycling program including commercial, institutional, and residential outreach as well as FDEP reporting requirements. Continued efforts have included re-branding of the County’s solid waste program and development of a communications strategy for year round promotion of the recycling program through the County’s established social media outlets.

An often overlooked element of a successful municipal recycling program is the implementation of processing systems to divert construction and demolition (C&D) debris from landfills to be recycled. In other areas of Florida, we have assisted clients with the design

and operation of C&D debris processing facilities, particularly in the aftermath of hurricanes and other natural disasters. Our solid waste experts provide general engineering services, including preliminary design, final design, permitting, bidding, and construction services, as well as startup and operational assistance for C&D debris processing facilities.

Lastly, our experts can provide information and insight into recycling trends in Florida and throughout the nation. As contamination rates overseas continue to tighten, and commodities markets for materials such as plastics and mixed paper become more restrictive, our leadership roles in professional organizations like Solid Waste Association of North America (SWANA) can bring important updates concerning upcoming regulations and recycling trends.

## Long-term Care and Landfill Reuse

Landfill reuse allows communities to reclaim valuable land and turn a potential liability into an asset and, in some cases, a revenue source. CDM Smith is at the forefront of landfill closure design, construction management, and reuse in the industry. Combining expertise in safe landfill closure and landscape architecture, our landfill redevelopment teams have turned former landfills into active and passive recreational facilities that benefit residents, business owners, and tourists. Our award-winning landfill redevelopment projects have reclaimed former waste sites for green space, parks, playing fields, nature trails, golf courses, and more.

We assisted Martin County in 2006 with a landfill reuse master plan for the closed Hobe Sound, Palm City I, and Palm City II sites, which included several passive and active uses at each facility. This project included public workshops and various phases and final adoption by the Board of County Commissioners.

## Hazardous Waste Program

The County currently collects residential hazardous waste at both its transfer stations, as well as at several community collection days throughout the year. All materials are transported to Tillman Ridge where they are packaged appropriately before being turned over to third parties contracted for the disposal of hazardous materials, universal wastes, petroleum products, electronics, or other materials per Federal, State, and local requirements. The hazardous waste collection and storage area at Tillman Ridge has been identified for upgrades to consolidate operations, provide secure storage for hazardous materials, and improve the traffic flow of the citizen drop-off area. These improvements will enhance current hazardous waste collection operations and improve the security of the facility.

In addition to facility upgrades, the CDM Smith team can offer environmental services to renew the County’s existing hazardous waste permits, perform facility compliance inspections, and provide



recommendations to maintain compliance, both at the primary accumulation area and all satellite collection sites. We can also offer engineering services to manage hazardous materials

for active construction projects, from identification and sampling of materials for the presence of asbestos and lead based paint, to developing plans for the containment, transportation, and safe disposal of the material.

## Financial and Contract

### Bidding Services for On-Site Activities

During the bidding phase of a project, CDM Smith can assist the County with the placement of advertising to obtain bids and maintain a record of prospective bidders to whom bidding documents are issued. We will attend pre-bid conferences and respond to bidder questions. If addenda are required to clarify or expand the bidding documents, we will prepare the addenda, and coordinate their distribution to all bidders. When bidding contractors propose to use subcontractors, we will consult with the project owner regarding the acceptability of these subcontractors, suppliers, or other organizations. During the bid opening phase, we will prepare bid tabulation sheets and assist the project owner with the evaluation of bids. We can also advise the owner regarding contract awards for construction, materials, equipment, and services.

### Evaluation of Existing Contracts

Existing hauling, processing, and disposal contracts have been recently renegotiated; however, the changing solid waste landscape often leads to discussions regarding amendments to the existing contracts. These amendments could include special fuel rate and recycling processing cost adjustments, or special concessions requested by the current contract holders. We can assist the County in comparing requested adjustments with similar services provided for other municipalities across the state. If existing contract requirements are not being met, CDM Smith can assist the County in providing the required notifications to the hauler, public notices, and holding a public hearing to displace the private company in accordance with Florida Statutes Section 403.70605(3).

## Solid Waste Rate Evaluation and Recommendation

We have significant experience with financial evaluation of solid waste management systems. For many solid waste management facilities, we have prepared financial analyses for alternative solid waste management system configurations. We have prepared engineer's feasibility reports for over \$1B in solid waste bond issues; cost analyses for the construction of solid waste systems; cost analyses of operation, maintenance, and closure for existing solid waste systems; evaluations of financing alternatives; rate studies; billing systems; and collection ordinances. We have helped establish assessment rolls per franchise area and have provided oversight for the creation of the assessment rolls.

Our personnel have conducted rate studies for solid waste clients where the objective has been to project revenue requirements, including operations and maintenance, debt service, repair and replacement, and capital improvements. They have identified and evaluated alternative financing sources (impact fees, user charges, additional debt, and municipal special taxing units), and have helped clients select the optimum balance of financing methods. We have performed some or all of these services throughout Florida. In previous work for the County, CDM Smith developed detailed financial pro-forma and evaluated rates to support various disposal methods.

Subconsultant partner RRS, has extensive public engagement experience in Florida and around the US. Together on multiple solid waste projects in Florida, we have engaged public engagement series for solid waste management planning and strategic stakeholder engagements including interactive sessions such as resident workshops and strategic breakout groups. Prior to public engagement, we will work with the County to set clear and measurable goals to make sure the time with residents is productive and focused on the desired outcome. "Virtual" engagement sessions can range from one-hour to half-day interactive workshops with multiple speakers and live interactive polling in facilitated "break-out" rooms. RRS has incorporated their vast experience engaging local media for recycling activities, announcements and events for similar virtual spaces such as the award-winning campaign in Lakeland Florida. Our team recognizes the value of media opportunities in public engagement and our strategic approach will maximize those opportunities for the County.

## General Support Services and Communication

Because CDM Smith is located less than 30 minutes away from the County's Public Works Department, our staff are available to provide unmatched responsiveness for informal consultations via teleconference, in person meetings, or question and answer interaction on an as needed basis. In the last year, CDM Smith has successfully utilized remote meeting tools and virtual communications to smoothly transition to remote work environments while consistently meeting project schedule and maintaining connections with our clients. From design review meetings, public workshops, or simple project status updates, our goal has been the same, keep our projects on track and continue to provide legendary client service. As we continue to navigate the ongoing pandemic our virtual meeting tools will allow us to continue to provide the County with a responsive, full-service response regardless of the location, timing, or size of the request.

### Electronic Meeting Tools

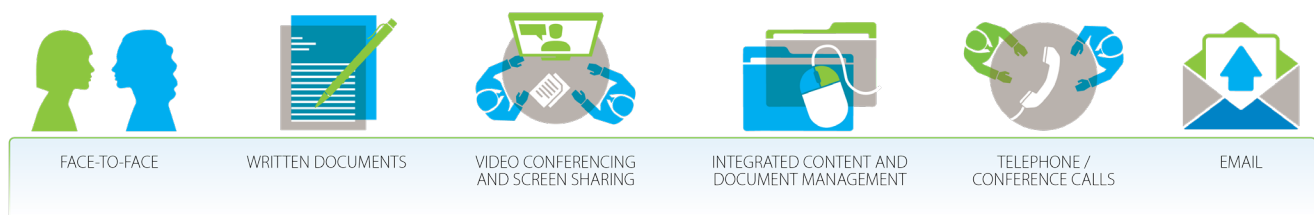
CDM Smith offers innovative methods to conduct meetings via the Internet intranet, teleconferencing, and "Cloud" based web portals. The use of these methods has enabled our team to fast-track a number of projects that might otherwise have been slow to progress due to scheduling conflicts.

**Microsoft Teams Video Conferencing** – Our team is already using and will incorporate technology into delivering this on-call contract in an effort to facilitate communications and maintain efficiency during project execution. All tablets, laptops, and phones on the CDM Smith network have Teams installed. With this feature, any conference calls whether scheduled or last minute are conducted with ease. Teams has the ability to video conference, online chat for brief conversations, and screen share to present content with a group of individuals. A full blown presentation or a simple design issue can be hosted in a setting where participants can view information from the field and in the office, simultaneously.

**ProjectWise** – Provides one central location where staff can easily access all electronic documents. With all electronic design documents housed in one place, all current and historical documents are readily available, reducing time spent searching for files and documents. This leads to better decisions, better coordination amongst the project team, less re-work, and higher quality deliverables. It also provides for an accurate and complete project history of key decisions made throughout the life of the project.



## The CDM Smith Team will effectively interface with the County through the following proven methods of communication:



## Engineering Services

### Design and Alternative Delivery

CDM Smith has completed more than \$1B in at-risk alternative delivery projects in the last three years alone, and we maintain a single-project bonding capacity of \$200M and an aggregate capacity of \$1.5B – a testament to our financial strength and reputation in the industry. We have qualified for bid, payment, and performance bonds, as well as special warranty bonds. In addition to our surety bonding, we have comprehensive insurance coverage. Our expert designers and constructors provide the full range of construction services. Working under a variety of mechanisms, from traditional design-bid-build and program management, to construction management (CM) and construction management at-risk (CMAR), design-build (DB), design-build operate (DBO), and design-contract-build, we involve our construction professionals early in project planning and design to help our clients choose the right delivery method, while employing cost management and effective quality control.

Backed by 73 years of experience and building know-how, we offer extensive in-house construction capabilities and an award-winning safety record—meeting our clients’ needs for cost savings, quality, and reliability, expedited schedules, and smooth operations. We manage projects of all sizes and complexity, from minor renovations to new facilities, and from traditional design-bid to fast-track DB. Project applications include HVAC; clean-room and laboratory systems; plant steam, hot water, process cooling water, and chilled water systems; specialized utilities; fire protection and plumbing; compressed; air/gas systems; energy conservation and management; and fume and dust collection systems. Our solid waste DB experience in Florida includes, but is not limited to, the following projects:

- Fairwind Golf Course Greens Improvements, St. Lucie County
- Landfill Gas Collection System DB, Martin County
- Landfill Excavation, Backfilling, and Remediation, Orlando
- Lantana Hills Golf Course, SWA, Palm Beach County
- Bee Ridge Landfill Closure, Sarasota County
- Design-Build-Operation of a Mass Burn Waste-to-Energy Facility, SWA, Palm Beach County

### Permitting

We have a successful nationwide track record of obtaining solid waste facility permits for WTE, landfill, transfer, and processing facilities. Our solid waste engineers and planners have developed complex permit applications for large landfill sites as well as small self-haul transfer stations. We keep abreast of solid waste

regulatory changes on the local, state, and national level. We have completed hundreds of solid waste projects in Florida, all within the jurisdiction of the FDEP Southeast and Northeast District offices as well as the Tallahassee Headquarters. The team has an excellent reputation and credibility at FDEP and a proven track record for securing permits. Additionally, we play an important advisory role, in helping our clients maintain compliance with their groundwater, surface water, leachate, and gas systems.

### Master Planning

Today’s municipalities require planning and management expertise that allows integration of a variety of community interests into a comprehensive, mutually acceptable master plan. Our approach to providing solid waste agencies with master planning services is based on our long-term technical experience, recognition of the need for implementable projects, development of alternatives that address multiple user needs, knowledge of innovative technologies, and consideration of resource and demand-side management. With all that said, master planning is not a static process. The County’s current master plan was completed in 2016, and the focus areas, findings, and recommendations must be assessed periodically to document what the County has accomplished as far as implementation of specific initiatives, and any changes to the overall program goals and focus areas.

We have developed and maintained over 100 municipal, county, regional, and state-wide solid waste management plans. Included in the planning efforts, we have performed quantity and composition analyses, evaluations of alternative technologies and system configurations, surveys of energy and recyclable materials markets, analyses of collection methods and adequacy of user fees, permitting and regulatory reviews, siting studies, and financial analyses and risk assessments. As the County continues to grow, converting rural farmland into suburban neighborhoods, and as solid waste technology continues to evolve, previous master planning efforts need to be reviewed and updated to reflect the our current understanding of the area being served and the solid waste industry as a whole.

Our technical expertise in facilities planning, creative decision-making, and a variety of related technical elements of solid waste management planning—such as landfill development and operations, transfer stations, material recovery facilities, household hazardous waste programs, collection systems, and conversion technologies—gives us the ability to successfully facilitate such complex, integrated planning efforts.

## Solid Waste/ Title V Permit Monitoring and Reporting

In addition to helping our clients obtain necessary permits, CDM Smith currently holds numerous annual permit compliance and monitoring/reporting contracts with solid waste clients throughout the State of Florida. Notable examples include:

- Annual Operations Assistance, St. Lucie County, FL
- Palm City II Landfill Permit Compliance, Martin County, FL
- Greenhouse Gas Reporting, SWA, Palm Beach County, FL
- Air Permitting Assistance, SWA, Palm Beach County, FL
- Independent Consulting Services for Solid Waste Landfill and Landfill Related Activities, Pinellas County, FL
- Independent Consulting Services for Solid Waste Landfill and Landfill Related Activities, Hillsborough County, FL
- Independent Consulting Services for Solid Waste Landfill and Landfill Related Activities, Pasco County, FL

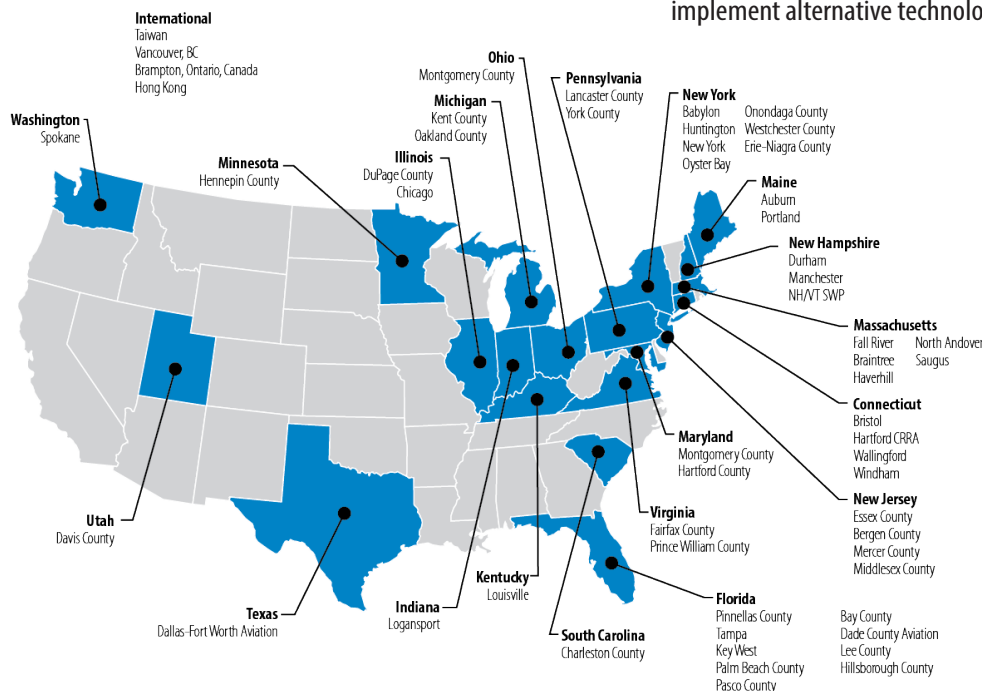
As discussed in previous sections, the deep bench at CDM Smith and Nelson has the experience to complete all routine environmental and water quality monitoring and reporting to meet the County's needs:

- Semi-annual water quality monitoring, analysis, and reporting
- Annual aerial survey and financial assurance reporting
- Title V reporting
- Operation and maintenance monitoring, inspections, adjustments

- Gas well maintenance, fare downtime resolution, and permit compliance of gas collection, fare, and compression systems
- Greenhouse gas reporting in accordance with facility solid waste, Title V Air, environmental resource, and NPDES stormwater permits
- Other non-routine continuing consulting services related to solid waste and landfill gas systems

## Waste to Energy

CDM Smith has provided resource recovery/WTE services for more than 40 years. During that time, we have performed various consulting and design assignments on more than 50 WTE projects worldwide. We have specific expertise with each of the different technologies used including mass burn and refuse derived fuel (RDF). We can provide comprehensive WTE services including feasibility determinations, vendor procurement, contract negotiations, permitting, facility design, construction management, and operations monitoring. We have provided various operations monitoring services on more than 25 WTE facilities across North America. We possess the breadth of resources necessary to conduct annual facility inspections, prepare annual reports and performance audits, review air quality testing and results, perform financial evaluations and prepare necessary certifications. Independent consulting engineering and operations monitoring services are routinely provided to all of our WTE clients. We have also been a leader in emerging alternative WTE technologies, which may further enhance existing WTE facilities. As the energy market changes to adopt more renewable practices and obtain green energy credits, existing and future facilities may be required to implement alternative technologies.



**CDM Smith  
has provided  
diverse services  
on more than  
50 WTE facilities  
worldwide in the  
past 25 years.**



# Section 6 Quality & Schedule Control

# Quality & Schedule Control

To complete work in a timely manner, CDM Smith would dedicate the resources of our local staff as well as our other Florida offices to tackle projects quickly and efficiently as they are identified by the County. We are willing to work with the County to negotiate mutually acceptable scopes and fees that provide value to County rate payers for the services to be provided under this contract. Our team's extensive experience in managing projects of this nature has shown that the key to successfully meeting schedule and budget is to utilize a disciplined project planning approach. By developing a thorough work plan for ourselves and our subconsultants at the beginning of the project, updating the plan monthly, and regularly communicating project objectives to the project team, the County will realize benefits in terms of time and cost savings.

## QA/QC Processes

Managing the quality of deliverables is a key component of our culture and our proven QA/QC process, which ensures that experts are engaged throughout the design process to review concept, technical approach, and bring lessons learned to the design team.

At CDM Smith, quality is defined as "meeting or exceeding the client's expectations." We will implement Quality Management Plans (QMPs) to address quality control (QC) and quality assurance (QA) procedures throughout design and construction phases of any project under this contract, including those performed by our subconsultants. It is our philosophy that all work performed under this contract is our responsibility and must be coordinated and undergo the same rigorous QA/QC process. These procedures will outline our team's effort to verify, check, and review all documents developed for this contract.

A project that starts right will end successfully. Key to this basic tenet is the CDM Smith Project Quality Management (PQM) process. As part of the kickoff workshop/meeting, we will clearly define the roles and responsibilities of the key stakeholders in the project, review and discuss the scope of work, budget, and schedule constraints, and identify factors that will have an impact on the outcome of the project. Our goal is to identify and agree upon items including:

- The County's expectations which may not be explicitly described in the contract.
- A definition of the conditions or facilities that are fixed and cannot change.
- The scope of the project and responsible parties.
- Lessons learned from similar projects that could aid current efforts.

## Quality Management System



### Plan Quality

CDM Smith's quality processes will begin early in the lifecycle of the Project and will be tailored to the County's scope of work to meet the requirements of the Project and our quality management system.

### Quality Assurance

CDM Smith's QA process will focus on prevention and reduction of errors and omissions, conformance to standards and expectations, open-mindedness for innovation and creativity, monitoring and controlling quality checks and milestones, and providing value enhancement.



### Quality Control

CDM Smith's QC processes will continuously monitor quality through every phase of the Project lifecycle, controlling the quality of our deliverables through quality checks and milestones to ensure they align with the County's needs and expectations.

During project execution, our quality management focuses on a combination of making sure the right things are being done (QC) and the correct process is being used to do them (QA). We do this through a combination of checks, independent reviews, and audits. Regardless of whether the task at hand is a design of a new household hazardous waste facility or a financial analysis of the department CIP, this proven method of checks, reviews, and audits will be carried out to ensure project quality. Quality management is a primary responsibility of the project manager, who will also be assisted by Technical Advisers **Aamod Sonowane**, and **Daniel Strobridge**. By making quality control its own category, the project manager can place a strong focus on quality by all team members in daily decisions and efforts at every level. The following highlights the specific QA/QC activities that will take place during the project.



**CHECKING.** A document checking process will be conducted throughout the project. Assumptions, calculations, and process criteria development files are independently crosschecked throughout for accuracy, clarity, and technical quality. All our process and equipment decisions are reviewed on a number of levels for completeness and applicability. Calculations, performance specifications, and facilities procurement drawings undergo technical, completeness, and operability reviews.



**TECHNICAL REVIEW COMMITTEE (TRC) MEETING AND TECHNICAL SPECIALIST REVIEW.** We will conduct a peer review by either a technical specialist or a panel of expert, called a TRC meeting as the project progresses. At TRCs, the approach and conclusions are reviewed by subject expert senior reviewers who are

not directly involved in the project development. For this project, we will include County staff in the TRC to provide an open forum to review the technical approaches taken by the project team. For design projects, this includes reviews at 10% design, 30% design, 60% design, and 90% design. For planning projects, a review is completed at major decision points and at for draft deliverables.



**VALUE ENGINEERING REVIEW.** A value engineering review may be conducted during the development of the facilities design and procurement documents. The objective of this review is to reduce project risk, suggest improvements and alternatives, expedite the schedule, and maximize the value, reliability, and performance of the facilities testing at the lowest life-cycle cost.



**AUDITS.** Based on size and complexity of this project, a quality audit will be conducted to confirm our quality guidelines are being followed and documented in the project files. Internal audit results provide information to determine potential corrective, preventive, and continual improvement actions. When planned results are not achieved, corrective and preventive actions will be taken, as appropriate, to ensure conformity of the quality system procedures. Implementation of any necessary corrective actions is the responsibility of the project manager.

## Schedule Control

CDM Smith's internal schedule controls are based on the Project Management Institutes (PMI) proven approach to project management. As a PMI certified Project Management Professional, **Lisa Sterling** will implement to tools necessary to manage and control schedule in accordance with industry practice and CDM Smith quality assurance policies. Our approach focuses on three primary areas: planning schedule, executing schedule, and controlling schedule.

In planning the project schedule, we develop activity lists and assign durations based on staff availability and project constraints. Once established, this schedule becomes part of the project baseline and is monitored throughout project execution. Our extensive portfolio of solid waste projects in NE Florida allows us to develop a project baseline that is realistic and achievable, while our deep bench of staff allows us to assign the right number of resources to the project to meet delivery timelines. We will work with the County during initial stages of the project to understand the scope of work, as well as the level of detail required for each deliverable. Based on the documented criteria, we will then develop a work plan. From this, a more detailed activity list will be generated for each task. These detailed activities are resourced and linked to

the overall project schedule, including required deliverables and their associated due dates, so that progress may be continually monitored.

Successful project execution is dependent upon resource management, communication, and risk management to ensure that project schedules are met. Our experienced project manager, Lisa Sterling, is responsible for staff and subcontractor coordination and all project-related correspondence to ensure the project is completed in accordance with the contract, implementation of the appropriate quality management procedures on the project, and coordination of critical milestone meetings with the County, subconsultants, and stakeholders to verify all aspects of the project are on task and communicated to all team members. Our experienced project management team is essential to the proper control and successful completion of this project with the objectives of maintaining clear channels of communication between the client and the project team by providing a single point of responsibility, ensuring timely completion of work according to an established schedule of activities, and regularly checking project technical and quality controls.

Quality management, including project schedule and budget controls, is an integral and mandatory component of each project undertaken by CDM Smith. After the project is enrolled and work has begun, the project manager and other key team members have access to several analytics and reporting tools that greatly improve our ability to monitor and control schedules and budgets. The primary amongst these related to maintaining schedule is earned value analysis (EVA), a comparison of the actual project progress against plan to provide the project manager with quick yet accurate assessment of the project compared to time, budget, and deliverables. The EVA schedule performance index and schedule variance provide an early warning of potential problems which the project manager is then able to address proactively.

A key element in delivering a successful project is "change management." The project manager on this project will use the budget and schedule information from the EVA to analyze potential impacts to the project and make informed decisions. Use of these tools in conjunction with the team's creativity results in a quality project that is completed on time and within budget. If, in any case, the scope of a project changes due to decisions made during project implementation, we will work with the County to adjust the scope of services accordingly and bring the project to a successful completion.



## Coordination of Sub-Consultants

Our team is composed of a talented group of professionals, and CDM Smith takes responsibility for coordinating the activities of all our staff and sub-consultants. During project planning, CDM Smith, the County, and knowledgeable sub-consultants will work together to develop a scope to address the project objectives. A common understanding of project goals and early identification of potential risks will ensure that the entire project team will be working in lock-step to deliver a successful project. During project execution, CDM Smith's management of sub-consultants includes primary responsibility for schedule management, acting as the communications hub for the project facilitating contact between the County and sub-consultants, and implementing CDM Smith's quality processes on all work produced for the County. As the prime contractor, CDM Smith assumes responsibility for meeting project timelines and delivering work products that are of the highest quality. Finally, if issues arise regarding the performance of our sub-consultants or missed expectations, CDM Smith will actively work to resolve the conflict to the County's satisfaction.





# Section 7 Additional Information

# Additional Information

## CDM Smith & Special Awards & Accomplishments

### American Council of Engineering Companies (ACEC) Excellence in Engineering Awards

2009	Park Ridge Golf Course/Lantana Road Landfill, Palm Beach County, FL	2007	Household Products and Electronics Recycling Center, Chicago, IL	2006	Landfill Gas-to-Energy Project, St. Lucie County, FL	2005	C&D Debris Processing Facility, St. Lucie County, FL	2002	Baling and Recycling Facility, St. Lucie County, FL	2000	North Wake Subtitle D Landfill Phase II Expansion, Wake County, NC	1999	Landfill Reuse and Park Project, Town of Yarmouth, MA
	Florida Institute of Consulting Engineers (FICE) Grand Award		Illinois ACEC Honor Award		FICE Grand Award		FICE Honorable Mention Award		FICE Honorable Mention Award		CEC of North Carolina Honor Award		CEC of New England Engineering Excellence Award, MA Recreation and Parks Association Outstanding Park
1999	Brooks Landfill Arsenic Remediation, Wichita, KS	1999	Alcoa Polychlorinated Biphenyls Leachability Studies, Massena, NY	1998	South Hutchinson Island Water Reclamation Facility, St. Lucie County, FL	1998	Buncombe County Landfill Design, Asheville, NC	1998	Scottsdale Solid Waste Transfer Station, Scottsdale, AZ	1998	Sarasota County Landfill Design Project, Sarasota, FL	1994	Outagamie County Materials Recycling Facility, Outagamie County, WI
	National ACEC Honor Award and CEC of Kansas Grand Award		CEC of New York Silver Award		FICE Grand Award		CEC of North Carolina Honor Award		CEC of Arizona Award of Merit		FICE Honor Award		CEC of Wisconsin Certificate of Achievement
1991	Mayor Thomas W. Danehy Park Landfill Conversion, Cambridge, MA	1987	Gloucester County Solid Waste Complex, Gloucester County, NJ	1973	Erie-Niagara Solid Waste Management Plan, Erie County, NY	1971	Braintree Solid Waste Incinerator, Braintree, MA						
	CEC of Massachusetts Excellence Award		CEC of New Jersey Excellence Award		CEC of New England Grand Conceptor Award		CEC of New England Excellence Award						

### American Academy of Environmental Engineers Excellence in Environmental Engineering

2000	Yarmouth Landfill Redevelopment, Yarmouth, MA	1999	Brooks Landfill Arsenic Remediation Project, Wichita, KS	1992	Landfill Leachate Treatment System Using Wetlands, Orange County, FL
	Honor Award		Grand Award		Honor Award

### Miscellaneous Awards

2017	Renewable Energy Facility 2, SWA, Palm Beach County, FL	2015	Pasco County Integrated Solid Waste Management System, Pasco County, FL	2013	South Central Solid Waste Authority, Las Cruces, NM	2011	North Country Resource Facility, Solid Waste Authority of Palm Beach County, FL	2010	Biosolids Pelletization Facility, Palm Beach County, FL	2009	Park Ridge Golf Course/Lantana Road Landfill, Palm Beach County, FL	2009	St. Lucie Landfill Gas Utilization, St. Lucie County, FL
	SWANA, Waste-to-Energy, Gold Excellence Award FICE, Engineering Excellence, Grand Conceptor Award		SWANA Gold Excellence Award, Waste-to-Energy Category		SWANA Bronze Excellence Award, Integrated Solid Waste Management Systems Category		SWANA Gold Excellence Award, Landfill Management		Grand Award, FICE Engineering Excellence Awards Program		Project of the Year Award, American Publics Works Association SWANA Gold Excellence Award, Landfill Reuse Category		National SWANA Bronze Landfill Gas Utilization Excellence Award
2008	Constructed Wetlands for the Treatment of Landfill Leachate, New Hanover County, NC	2005	Multi-Landfill Site Park Reconstruction, Capping, and Remediation System, Nashua, NH	2001	Gardner Street Landfill Reuse Project, Boston, MA	2000	Transfer Station, Buncombe County, NC	1999	Buncombe County Landfill Design, Asheville, NC	1999	Cerro Colorado Sanitary Landfill, Albuquerque, NM	1998	Mayor Thomas W. Danehy Park Landfill Conversion, Cambridge, MA
	American City & County Magazine National Winner		EPA Northeast Region Merit Award		Outstanding Recreation Facility Award from the Massachusetts Recreation and Park Association		National SWANA Silver Award		North Carolina SWANA Gold Award, National SWANA Bronze Award in Landfill Category		SWANA Landfill Excellence Award		New England Environmental Award, Massachusetts Secretary of Environmental Affairs
1989	Porter Transfer Station, Orange County, FL												
	Central Florida Chapter of Assoc. Builders and Contractors Outstanding Industrial Project Award												



# Section 8 Administrative Information

## SECTION 8:

# Administrative Information

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We have included the following documents in this section.

- Attachment "A" – Qualification Certification
- Attachment "B" – Affidavit of Solvency
- Attachment "C" – St. Johns County Affidavit
- Attachment "D" – Conflict of Interest Disclosure
- Attachment "E" – Drug-Free Workplace Form
- Addendum 1 Acknowledgement

REQUEST FOR QUALIFICATIONS (RFQ) NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES FOR SJC SOLID WASTE DIVISION

ATTACHMENT "A"

QUALIFICATIONS CERTIFICATION FOR RFQ NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES FOR SJC SOLID WASTE DIVISION

The Undersigned submits this Qualification Package to be considered as a Qualified Consultant for provision of Engineering and Environmental Services for SJC Solid Waste Division.

A copy of the license(s) under which our firm is engaged in the business of contracting in the state of Florida is attached. This license was issued in accordance with provisions of Section 489.113, Florida Statutes, and is currently valid and in force.

It is further understood that qualification, if given, shall be valid for the purpose of submitting pricing for the above referenced contract, unless suspended or terminated by St. Johns County.

The Undersigned authorizes and requests any public official, engineer, architect, Surety Company, bank depository, material or equipment manufacture or distributor or any person, firm or corporation to furnish all information requested by St. Johns County, to verify statements given with this Qualification Package.

The Undersigned further authorizes the St. Johns County, FL designee to disclose, without any liability whatsoever, any and all information contained in the pre-qualification package.

The Undersigned has not been disqualified by any public agency in Florida except as indicated below. (If none, insert: "N/A")

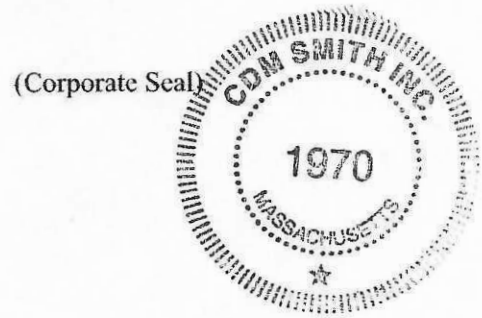
CDM Smith Inc. (Full Legal Company Name)

This 15 day of December, 20 20

Attest: Paul Milligan, Secretary (Name and Title of Officer)

APPROVED: Shayne Wood (Signature) By: Shayne Wood, Vice President (Name and Title of Authorized Officer)

As Notarized By: Lisa A. Stoddard (Signature)



REQUEST FOR QUALIFICATIONS (RFQ) NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES  
FOR SJC SOLID WASTE DIVISION

ATTACHMENT "B"

AFFIDAVIT OF SOLVENCY

PERTAINING TO THE SOLVENCY OF {insert entity name} CDM Smith Inc. \_\_\_\_\_, being of lawful age and being duly sworn I, {insert affiant name} Shayne Wood \_\_\_\_\_, as {insert position or title} Vice President \_\_\_\_\_ (ex: CEO, officer, president, duly authorized representative, etc.) hereby certify under penalty of perjury that:

1. I have reviewed and am familiar with the financial status of above stated entity.
2. The above stated entity possesses adequate capital in relation to its business operations or any contemplated or undertaken transaction to timely pay its debts and liabilities (including, but not limited to, unliquidated liabilities, unmatured liabilities and contingent liabilities) as they become absolute and due.
3. The above stated entity has not, nor intends to, incur any debts and/or liabilities beyond its ability to timely pay such debts and/or liabilities as they become due.
4. I fully understand failure to make truthful disclosure of any fact or item of information contained herein may result in denial of the application, revocation of the Certificate of Public Necessity if granted and/or other action authorized by law.

The undersigned has executed this Affidavit of Solvency, in his/her capacity as a duly authorized representative of the above stated entity, and not individually, as of this 4 day of December, 2020.

  
Signature of Affiant

STATE OF FLORIDA )

COUNTY OF DUVAL )

Subscribed and sworn to before me this 4<sup>th</sup> day of DECEMBER, 2020, by SHAYNE WOOD who personally appeared before me at the time of notarization, and who is personally known to me or who has produced \_\_\_\_\_ as identification.

  
Notary Public

My commission expires:  
\_\_\_\_\_



Cheryl A. Gullotto  
NOTARY PUBLIC  
STATE OF FLORIDA  
Comm# GG350719  
Expires 7/24/2023

REQUEST FOR QUALIFICATIONS (RFQ) NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES FOR SJC SOLID WASTE DIVISION

ATTACHMENT "C"

AFFIDAVIT

ST. JOHNS COUNTY BOARD OF COUNTY COMMISSIONERS
ST. AUGUSTINE, FLORIDA

At the time the proposal is submitted, the Respondent shall attach to his proposal a sworn statement.

The sworn statement shall be an affidavit in the following form, executed by an officer of the firm, association or corporation submitting the proposal and shall be sworn to before a person who is authorized by law to administer oaths.

STATE OF Florida COUNTY OF Duval. Before me, the undersigned authority, personally appeared Shayne Wood who, being duly sworn, deposes and says he is Vice President (Title) of CDM Smith Inc. (Firm) the respondent submitting the attached proposal for the services covered by the RFQ documents for RFQ No: 21-25; Engineering and Environmental Services for SJC Solid Waste Division.

The affiant further states that no more than one proposal for the above referenced project will be submitted from the individual, his firm or corporation under the same or different name and that such respondent has no financial interest in the firm of another respondent for the same work, that neither he, his firm, association nor corporation has either directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this firm's proposal on the above described project. Furthermore, neither the firm nor any of its officers are debarred from participating in public contract lettings in any other state.

CDM Smith Inc.
(Proposer)
By [Signature]
Shayne Wood, Vice President
(Title)

STATE OF FLORIDA )
COUNTY OF DUVAL )

Subscribed and sworn to before me this 4th day of DECEMBER, 2020, by SHAYNE WOOD who personally appeared before me at the time of notarization, and who is personally known to me or who has produced as identification.

[Signature]
Notary Public



Cheryl A. Gullotto
NOTARY PUBLIC
STATE OF FLORIDA
Comm# GG350719
Expires 7/24/2023

My commission expires:

VENDOR ON ALL COUNTY PROJECTS MUST EXECUTE AND ATTACH THIS AFFIDAVIT TO EACH PROPOSAL.



**REQUEST FOR QUALIFICATIONS (RFQ) NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES  
FOR SJC SOLID WASTE DIVISION**

**St. Johns County Board of County Commissioners**

**ATTACHMENT "D"**

**CONFLICT OF INTEREST DISCLOSURE FORM**

Project (RFQ) Number/Description: RFQ No 21-25; Engineering and Environmental Services for SJC Solid Waste Division

The term "conflict of interest" refers to situations in which financial or other considerations may adversely affect, or have the appearance of adversely affecting a consultant's/contractor's professional judgment in completing work for the benefit of St. Johns County ("County"). The bias such conflicts could conceivably impart may inappropriately affect the goals, processes, methods of analysis or outcomes desired by the County.

Consultants/Contractors are expected to safeguard their ability to make objective, fair, and impartial decisions when performing work for the benefit of the County. Consultants/Contractors, therefore must there avoid situations in which financial or other considerations may adversely affect, or have the appearance of adversely affecting the Consultant's/Contractor's professional judgement when completing work for the benefit of the County.

The mere appearance of a conflict may be as serious and potentially damaging as an actual distortion of goals, processes, and methods of analysis or outcomes. Reports of conflicts based upon appearances can undermine public trust in ways that may not be adequately restored even when the mitigating facts of a situation are brought to light. Apparent conflicts, therefore, should be disclosed and evaluated with the same vigor as actual conflicts.


It is expressly understood that failure to disclose conflicts of interest as described herein may result in immediate disqualification from evaluation or immediate termination from work for the County.

---

Please check the appropriate statement:

- I hereby attest that the undersigned Respondent has no actual or potential conflict of interest due to any other clients, contracts, or property interests for completing work on the above referenced project.
- The undersigned Respondent, by attachment to this form, submits information which may be a potential conflict of interest due to other clients, contracts or property interests for completing work on the above referenced project.

Legal Name of Respondent: CDM Smith Inc.

Authorized Representative(s):  Shayne Wood, Vice President  
Signature Print Name/Title

\_\_\_\_\_  
Signature Print Name/Title

REQUEST FOR QUALIFICATIONS (RFQ) NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES  
FOR SJC SOLID WASTE DIVISION

ST. JOHNS COUNTY BOARD OF COUNTY COMMISSIONERS

ATTACHMENT "E"

DRUG-FREE WORKPLACE FORM

The undersigned firm, in accordance with Florida Statute 287.087 hereby certifies that

CDM Smith Inc. does:  
Name of Firm

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the danger of drug abuse in the workplace, the business' policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, employee assistance programs and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the contractual services that are described in St. Johns County's request for qualifications a copy of the statement specified in paragraph 1.
4. In the statement specified in paragraph 1, notify the employees that, as a condition of working on the contractual services described in paragraph 3, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Florida Statute 893, as amended, or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction or plea.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community by, any employee who is so convicted.
6. Consistent with applicable provisions with State or Federal law, rule, or regulation, make a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs 1 through 5.

As the person authorized to sign this statement, I certify that this firm complies fully with the above requirements.

  
Signature

12/4/20  
Date



## St. Johns County Board of County Commissioners

Purchasing Division

### ADDENDUM #1

December 7, 2020

**To: Prospective Bidders**  
**From: St. Johns County Purchasing Department**  
**Subject: RFQ No. 21-25; Engineering and Environmental Services for SJC Solid Waste Division**

This Addendum #1 is issued for further respondent's information and is hereby incorporated into the RFQ documents. Each Respondent will ascertain before submitting a proposal that he/she has received all Addenda, and **return an original and an electronic copy of this signed Addendum with the submitted proposal** as provided in the RFP Documents.

#### QUESTIONS:

1. In the above referenced RFQ in Part IV (B.2) Minimum Qualification of Consultants [on Page 9], this requirement states: *Must have on staff a Professional Engineer (P.E.) currently licensed and certified in the State of Florida with a minimum five (5) years' experience in designing, inspecting, and certifying storm water systems.* Can this requirement be met with a sub-consultant?

**Answer: Yes.**

2. Related to RFQ No. 21-25 - ENGINEERING AND ENVIRONMENTAL SERVICES FOR SJC SOLID WASTE DIVISION, we would like to know given current work restrictions related to COVID-19, would St. Johns County consider eliminating the need for firms to submit a hard copy of their RFQ response and only have to submit in digital form?

**Answer: No.**

3. Does the prime contractor have to be a licensed engineering firm, or can a prime contractor be a non-engineering firm that has subcontracted with a licensed engineering firm??

**Answer: The Prime Firm must be a licensed engineering firm certified to do business in the State of Florida to meet minimum requirement #1. Sub-consultants may only be used by the Prime to meet minimum requirements #2 and #3.**

4. Will the County accept electronic submittals or are hard copies required to be delivered? If electronic copies are allowed, please advise how to submit?

**Answer: A hard-copy original submittal is required, as per instructions in the RFQ document.**

5. Do subcontractors have to provide the forms in Attachments A through E, or just the prime contractor?

**Answer: Only the Prime.**

6. What firm(s) are currently providing these services to the County?

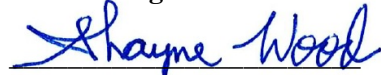
**Answer: The County currently does not have an active contract for these services.**

7. You list Permitting and Permit Compliance Monitoring/Reporting in the Scope of Services. What permit renewals or modifications are expected during this contract service (if any)? Also, what compliance monitoring and reporting will be required?

**Answer: Permit renewals or permit modifications for waste tire permits, transfer stations should they become due during the contract term, and Phase II Landfill which will need renewed in 2024. The permit for Phase I & II Tillman Ridge Landfill requires compliance monitoring and reporting for water quality. The Stratton Road Transfer location has a quarterly monitoring requirement by St. Johns County Utilities Department for wastewater discharge.**

**THE RFQ DUE DATE REMAINS DECEMBER 17, 2020 AT 4:00 P.M.**

**Acknowledgment**



Signature and Date

Shayne Wood, Vice President

Printed Name/Title

CDM Smith Inc.

Company Name (Print)

**Sincerely,**



Diana M. Fye, AS, CPPB  
Procurement Coordinator

**END OF ADDENDUM NO. 1**



**CDM  
Smith**<sup>®</sup>  
cdmsmith.com



## St. Johns County Board of County Commissioners

Purchasing Division

### ADDENDUM #1

December 7, 2020

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**Answer: Only the Prime.**

6. What firm(s) are currently providing these services to the County?

**Answer: The County currently does not have an active contract for these services.**

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**Acknowledgment**

**Sincerely,**

\_\_\_\_\_  
Signature and Date

*Diana M. Fye*

Diana M. Fye, AS, CPPB  
Procurement Coordinator

\_\_\_\_\_  
Printed Name/Title

\_\_\_\_\_  
Company Name (Print)

**END OF ADDENDUM NO. 1**



**ST. JOHNS COUNTY  
BOARD OF COUNTY COMMISSIONERS**

**RFQ NO. 21-25  
REQUEST FOR QUALIFICATIONS**

**ENGINEERING AND ENVIRONMENTAL SERVICES  
FOR SJC SOLID WASTE DIVISION**

St. Johns County Purchasing Department  
500 San Sebastian View  
St. Augustine FL 32084  
(904) 209-0150 – Main

**FINAL: 11/12/2020**



**RFQ NO: 21-25 ENGINEERING AND ENVIRONMENTAL SERVICES FOR SJC SOLID WASTE DIVISION**

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**ST. JOHNS COUNTY, FL**

**RFQ NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES FOR SJC SOLID WASTE DIVISION**

**PART I: ADVERTISEMENT**

Notice is hereby given that St. Johns County, FL is soliciting responses for **RFQ No: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES FOR SJC SOLID WASTE DIVISION**. Interested and qualified respondents may submit Qualification Packages, in accordance with the requirements described herein, to the St. Johns County Purchasing Department located at 500 San Sebastian View, St. Augustine, FL 32084. **All RFQ Packages are due by or before 4:00 P.M. (EST) on Thursday, December 17, 2020.** Any packages delivered to or received after the 4:00 P.M. deadline will not be considered and shall be returned unopened to the addressee.

In accordance with Florida Statutes, Section 287.055 Consultant's Competitive Negotiation Act (CCNA), St. Johns County is soliciting qualifications from interested firms to provide solid waste engineering, environmental, economic, public relations, and related services to St. Johns County on a continuing services contract. Tasks will include (but are not limited to): compliance reviews, Class I landfill permit renewals and modifications, financial assurance cost estimating and adjustments; secondary use studies, and storm water system inspections & certifications. Other engineering services are to be provided on an as-needed basis and could include transfer station and waste tire permit renewals, landfill secondary use studies, operations plans, contracts, contamination assessments or other requirements, Board of County Commissioner workshops and presentations, Capital Improvement Program development, rate studies, assistance with implementing new revenue mechanisms, preparing solicitations for waste collection, and preparing information for workshops and media.

**Minimum Qualifications:** In order to submit a qualifications package, the Consultant must be currently licensed and certified to do business in the State of Florida as a Professional Engineer pursuant to Florida Statutes, Section 471; and must have on staff a Professional Engineer (P.E.) currently licensed and certified in the State of Florida with a minimum five (5) years' experience in designing, inspecting, and certifying storm water systems; and must have on staff a Professional Engineer (P.E.) currently licensed and certified in the State of Florida with minimum five (5) years' experience in performing financial assurance cost estimates, adjustment, and certifications for solid waste landfills in Florida.

RFQ Packages are available for downloading from Demandstar, Inc., at their website [www.demandstar.com](http://www.demandstar.com), or by calling 1-866-273-1863 and requesting Document **#21-25**. Vendors registered with Demandstar may download most packages at no cost from the website. Download fees may apply to vendors not registered on the website. Packages are also available from the SJC Purchasing Department. When making a request provide the full company name, full company address, company phone number, primary contact and email address.

All questions related to this RFQ must be ***submitted in writing***, to the Designated Point of Contact: Diana M. Fye, AS, CPPB, Procurement Coordinator, via email to [dfye@sjcfl.us](mailto:dfye@sjcfl.us). All questions related to this RFQ must be submitted by or before **4:00PM, Thursday, December 3, 2020**.

In the event the Designated Point of Contact provided above is absent or otherwise unavailable for more than three (3) business days, firms may contact Leigh A. Daniels, CPPB, Purchasing Manager at [ldaniels@sjcfl.us](mailto:ldaniels@sjcfl.us).

**Interested firms shall not contact any staff member of St. Johns County, including members of the Board of County Commissioners, except the above referenced individual, with regard to this RFQ as stated in SJC Purchasing Code 304.6.5 "Procedures Concerning Lobbying"**. Any such communication shall result in disqualification from consideration for award of a contract for these services.

RFQ Packages **MUST** be submitted in a **SEALED** envelope or container and clearly marked on the exterior of the package: **RFQ 21-25 – Engineering and Environmental Services for SJC Solid Waste Division**. Each package submitted must have the respondent's name and mailing address marked plainly on the outside of the envelope/container. Each package shall consist of one (1) hard-copy original and one (1) exact electronic PDF copy on a USB Drive which shall include all required documents and any supplemental information. In the event of a discrepancy between the submitted hard-copy and electronic copy, the hard-copy will supersede.

**Deliver or Ship RFQ Packages to:** St. Johns County Purchasing Department  
500 San Sebastian View  
St. Augustine FL 32084

Any bidder, proposer or person substantially and adversely affected by an intended decision or by any term, condition, procedure or specification with respect to any bid, invitation, solicitation of proposals or Request for Proposals, shall file with the Purchasing Department for St. Johns County, a written notice of intent to protest no later than seventy two (72) hours (excluding Saturdays, Sundays, and legal holidays for employees of St. Johns County) after the posting either electronically or by other means of the notice of intended action, notice of intended award, bid tabulation, publication by posting electronically or by other means of a procedure, specification, term or condition which the person intends to protest, or the right to protest such matter shall be waived. The protest procedures may be obtained from the Purchasing Department and are included in St. Johns County's Purchasing Manual.

All of the terms and conditions of the County's Purchasing Manual are incorporated by reference and are fully binding.

St. Johns County reserves the right to accept or reject any or all bids/proposals, waive minor formalities, and to award the bid/proposal that best serves the interests of St. Johns County. St. Johns County also reserves the right to award the base bid and any alternate bids in any combination that best suits the needs of the County.

BOARD OF COUNTY COMMISSIONERS  
OF ST. JOHNS COUNTY, FLORIDA  
BRANDON J. PATTY, CLERK OF THE CIRCUIT COURT & COMPTROLLER

BY: \_\_\_\_\_  
Deputy Clerk

# RFQ NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES FOR SJC SOLID WASTE DIVISION

## PART II: INTRODUCTION

### A. PURPOSE

The purpose of this RFQ is to evaluate, rank, and shortlist firms seeking qualification in order to submit rates for a continuing services contract for provision of engineering and environmental services for the St. Johns County Solid Waste Division. Interested respondents must be qualified and experienced in solid waste engineering, environmental, economic, public relations, and related services including, but not limited to, compliance reviews, Class I landfill permit renewals and modifications, financial assurance cost estimating and adjustments; secondary use studies, and storm water system inspections & certifications. Firms must provide evidence of required qualifications, and experience in accordance with the information specified in this document. The intent of this RFQ is to qualify firms using the established selection criteria provided herein. Only those firms qualified through this RFQ process will be eligible to submit rates for a continuing services contract.

### B. TENTATIVE SCHEDULE OF EVENTS

The County proposes the tentative schedule of events below. The dates provided may change at the discretion of the County. If any modifications impact the schedule of this RFQ, through and until the deadline for submitted RFQ Packages, the County will notify all interested respondents via Addendum.

Advertisement of Request for Qualifications for Consultants	November 20, 2020
Deadline for Questions / Requests for Information/Clarifications	December 3, 2020
Issuance of Final Addendum	December 10, 2020
Qualification Package Submission Deadline	December 17, 2020
Evaluation of Submitted Qualification Packages	January 7, 2021
Interviews with Shortlisted Firms	January 12, 2021
Presentations by Shortlisted Firms & Evaluation Meeting (if required)	January 21, 2021
Presentation of Award Recommendation to SJC BOCC	March 2, 2021
Negotiation of Contract	March 10, 2021
*Presentation of Final Contract to SJC BOCC	April 6, 2021
Issue Final Contract	April 8, 2021
Notice to Proceed	April 15, 2021

\* Presentation of Final Contract to SJC BOCC may or may not be necessary based on the initial direction of the SJC BOCC.

### C. DUE DATE & LOCATION

Qualification Packages submitted in response to this Request for Qualifications (RFQ) must be delivered to, and received by the SJC Purchasing Department by or before **four o'clock (4:00PM) on Thursday, December 17, 2020**. Any packages received by the SJC Purchasing Department after this deadline will be deemed non-responsive, and shall be returned to the Respondent, unopened.

Qualification Packages must be submitted to: SJC Purchasing Department  
500 San Sebastian View  
St. Augustine, FL 32084

### D. DESIGNATED POINT OF CONTACT

Any and all questions or requests for information relating to this RFQ must be directed, **in writing**, to the following Designated Point of Contact provided below:

**Designated Point of Contact Information:** Diana M. Fye, AS, CPPB, Procurement Coordinator  
SJC Purchasing Department  
500 San Sebastian View  
St. Augustine, FL 32084  
Email: [dfye@sjcfl.us](mailto:dfye@sjcfl.us)

In the event the Designated Point of Contact provided above is absent or otherwise unavailable for more than three (3) business days, firms may contact Leigh A. Daniels, CPPB, Purchasing Manager at [ldaniels@sjcfl.us](mailto:ldaniels@sjcfl.us).

Interested firms **SHALL NOT** contact any staff member of St. Johns County, including members of the Board of County Commissioners, except the above referenced individual, with regard to this RFQ as stated in SJC Purchasing Code 304.6.5 "Procedures Concerning Lobbying". All inquiries will be routed to the appropriate staff member for response. Any such communication may result in disqualification from consideration for award of a contract for these services.

**E. SUBMITTAL OF QUESTIONS/INQUIRIES**

Any and all questions and/or inquiries related to this RFQ, shall be directed, in writing, to the Designated Point of Contact as provided above, by or before **four o'clock (4:00PM) EST on Thursday, December 3, 2020**. Any questions received after this deadline will not be addressed or clarified by the County, unless it is determined to be in the best interest of the County to do so. The County reserves the right to extend the deadline for RFQ submission in order to clarify or answer questions as necessary to serve the best interest of the County.

**F. ADDENDA**

Any and all clarifications, answers to questions, or changes to this RFQ shall be provided through a County issued Addendum, posted on [www.demandstar.com](http://www.demandstar.com). Any clarifications, answers, or changes provided in any manner other than a formally issued addendum, are to be considered "unofficial" and shall not bind the County to any requirements, terms or conditions not stated herein.

The County shall make every possible, good faith effort to issue any and all addenda no later than seven (7) days prior to the due date for proposals. Any addenda issued after this date shall be for material, necessary clarifications to the Request for Qualifications.

Any and all issued Addenda must be included with all copies of each Respondent's submitted RFQ Package. Failure to submit an issued addendum with the submitted RFQ Package may result in the Respondent being deemed non-responsive, and being removed from consideration for award. The County reserves the right to request from any Respondent, copies of any missing addenda, if the content included in the Addenda is not of a material nature to the merit of the submitted Pre-Qualifications Package.

**G. EQUAL EMPLOYMENT OPPORTUNITY**

In accordance with Federal, State and Local law, the submitting firm shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, or handicap. The submitting firm shall be required to comply with all aspects of the Americans with Disabilities Act (ADA) during the performance of the work.

**H. SOLICITATION POSTPONEMENT/CANCELLATION**

The County may, at its sole and absolute discretion, postpone, cancel, or re-advertise, at any time, this solicitation process for any reason, as determined by County Staff, in order to best serve the interests of St. Johns County.

**I. RIGHT TO REJECT/ACCEPT**

The County reserves the right to accept or reject any or all proposals, waive minor formalities, and to award to the Respondent that best serves the interest of St. Johns County.

**J. COMPLIANCE WITH ST. JOHNS COUNTY PURCHASING POLICY AND PROCEDURES MANUAL**

All terms and conditions of the St. Johns County Purchasing Procedure Manual are incorporated into this RFQ Document by reference, and are fully binding. Respondents are required to submit their responses to this RFQ, and to conduct their activities during this process in accordance with the St. Johns County Purchasing Procedure Manual. This solicitation, the subsequent evaluation, negotiations and contract award shall be in accordance with the St. Johns County Purchasing Procedure Manual. The County reserves the right to disqualify, remove from consideration, or debar as

appropriate, any vendor that does not comply with the applicable requirements set forth in the St. Johns County Purchasing Procedure Manual.

### **PART III: GENERAL REQUIREMENTS**

#### **A. PROJECT DESCRIPTION**

The County desires to have a consultant on a continuing services contract to provide solid waste engineering, environmental, economic, public relations, and related services to St. Johns County. Tasks will include (but are not limited to): compliance reviews, Class I landfill permit renewals and modifications, financial assurance cost estimating and adjustments; secondary use studies, and storm water system inspections & certifications. Other engineering services are to be provided on an as-needed basis and could include transfer station and waste tire permit renewals, landfill secondary use studies, operations plans, contracts, contamination assessments or other requirements, Board of County Commissioner workshops and presentations, Capital Improvement Program development, rate studies, assistance with implementing new revenue mechanisms, preparing solicitations for waste collection, and preparing information for workshops and media.

#### **B. SCOPE OF SERVICES**

Scope of Services to be provided by the Consultant shall include, but not limited to, the following:

##### **1. Storm Water System Inspections & Certifications:**

- Inspect the storm water systems for the closed Tillman Ridge Phase I and Phase II landfills, and the Tillman Ridge Transfer Station, located at 3005 Allen Nease Road, Elkton, Florida 32033, and the Stratton Road Transfer Station, located at 250 Stratton Road North, St. Augustine, Florida 32095.
- Inspections must be conducted by a Florida Registered Professional Engineer and must include a physical inspection of each of the components of the system (retention areas, swales, ditched, canals, outfall structures, culverts, repaired areas) to ensure functioning performance of each of the systems with respect to the original design and permitted requirements.
  - Inspections must be conducted on an annual basis, currently submitted in November, and include a review/summary of the inspection requirements specified in four (4) individual permits for the closed Tillman Ridge Phase I Landfill, the Closed Tillman Ridge Phase II landfill, the Tillman Ridge Transfer Station, and the Stratton Road Transfer Station.
- Prepare and submit an Annual Storm Water System Inspection and Certification Report which must:
  - Describe each storm water system and its components;
  - Include applicable maps identifying each system and components, and areas of repairs (if applicable);
  - List permit requirements; provide an evaluation of each system and its components;
  - The Annual Storm Water System Inspection and Certification Report must include completed Department of Environmental Protection (DEP) inspection forms;
  - The report must be signed, sealed, and dated by a Professional Engineer (P.E.) licensed in the State of Florida with five (5) years' experience in designing, inspecting, and certifying storm water systems;
  - One (1) original report must be prepared and submitted to the St. Johns County Solid Waste Department; and
  - One (1) additional original report and one (1) copy of the report must be prepared and submitted to the Florida Department of Environmental Protection. Contractor will be responsible for submitting the signed reports to FDEP at the following address:

Florida Department of Environmental Protection  
8800 Baymeadows Way West, Suite 100  
Jacksonville, FL 32256

2. Financial Assurance Cost Estimating, Adjustments, & Certifications:

- Review and determine the financial assurance cost estimates for long-term care for the closed Tillman Ridge Phase I and Phase II landfills. The review and adjustments must be performed on an annual basis.
- Prepare and submit a Long-Term Care Cost Estimate Report which must describe and list the regulatory long-term care requirements including:
  - Start dates and years remaining;
  - Applicable maps for each landfill area cover in the estimates and adjustments;
  - Tables summarizing past and present cost estimates and adjustments;
  - Completed DEP forms detailing cost estimates and adjustments with respect to monitoring, control, maintenance, materials, landscaping, security, utilities, and administrative long-term care where/if applicable;
  - The Long-Term Care Cost Estimate Report must be signed, sealed, and dated by a Professional Engineer (P.E.) licensed in the State of Florida with five (5) years' experience in performing financial assurance cost estimates, adjustments, and certifications for solid waste landfills in Florida; and
  - Prepare and submit eight (8) original reports to the St. Johns County Solid Waste Department for applicable authorized county representative signature and distribution, including submitting the reports to the Florida Department of Environmental Protection (FDEP). Contractor will be responsible for submitting the signed reports to FDEP at the following address:

Florida Department of Environmental Protection  
8800 Baymeadows Way West, Suite 100  
Jacksonville, FL 32256

3. Develop options for collection, in-county and out-of-county disposal, recycling, long-term care, litter prevention and hazardous waste programs.
4. Review current contracts and assist with the preparation of bid documents, assist with implementation of Municipal Service Benefit Unit (MSBU) on unimproved property for capital projects, investigate other revenue options, assist with notice to haulers required by Florida Statutes Section 403.70605(3).
5. Develop financial analysis for proposed options. Prepare rate study with recommendations for short term fee and assessment rates; evaluate medium and long term rate projections. Recommend financing format and schedule.
6. Develop franchise program and solicitation documents for waste collection. Assist with public involvement and education including workshops and media presentations.
7. Provide services for informal consultations via teleconference, in person meetings, or question and answer interaction on an as needed basis.

8. Engineering services include (but are not limited to):

- Design;
- Permitting;
- Master Planning;
- County Comp Plan Assistance;
- Permit Compliance Monitoring and Reporting;
- Title V or Greenhouse Gas work like monitoring or reporting;
- Alternative Waste Conversion Technology Evaluation;
- General Studies/Reports/Evaluations;

- Operations Assistance; and
- Procurement and Contract Negotiations Assistance.

Work will be awarded on a project by project basis that may include any or all of the above services, or services not specifically mentioned, but directly related to the specific discipline. Consultants may hire sub-consultants to be used for portions of the required services.

#### **PART IV: QUALIFICATIONS PACKAGE SUBMITTAL REQUIREMENTS**

##### **A. RESPONDENT RESPONSIBILITIES**

Respondents are responsible for any and all costs associated with developing and submitting an RFQ Package in response to this Request for Qualifications. Respondents are also solely responsible for any and all costs associated with interviews and/or presentations requested by the County. It is expressly understood, no Respondent may seek or claim any award and/or re-imbursement from the County for any expenses, costs, and/or fees (including attorneys' fees) borne by any Respondent, during the entire RFQ process. Such expenses, costs, and/or fees (including attorneys' fees) are the sole responsibility of the Respondent.

All RFQ Packages received in response to this Request for Qualifications shall become the property of St. Johns County and will not be returned. In the event of contract award, all documentation produced as part of the contract will become the exclusive property of St. Johns County.

By submitting an RFQ Package, each Respondent certifies that the proposer has fully read and understands any and all instructions in the Request for Proposals, and has full knowledge of the scope, nature, and quality of work to be performed. All RFQ Packages submitted shall be binding for one hundred twenty (120) consecutive calendar days

##### **B. MINIMUM QUALIFICATIONS OF CONSULTANTS**

The following are minimum qualification requirements that solicitation Respondents must meet in order to be eligible to submit a proposal. Responses must clearly show compliance to these minimum qualifications.

Firms or individuals interested in submitting an RFQ Package for this project must also meet, and show proof of the following qualifications:

1. Currently licensed and certified to do business in the State of Florida as a Professional Engineer pursuant to Florida Statutes, Section 471.
2. Must have on staff a Professional Engineer (P.E.) currently licensed and certified in the State of Florida with a minimum five (5) years' experience in designing, inspecting, and certifying storm water systems.
3. Must have on staff a Professional Engineer (P.E.) currently licensed and certified in the State of Florida with a minimum five (5) years' experience in performing financial assurance cost estimates, adjustment, and certifications for solid waste landfills in Florida.

Each Respondent shall demonstrate the necessary minimum qualifications, along with supplemental information in the designated section, as provided in Section IV below. Failure by any Respondent to sufficiently demonstrate compliance with the minimum qualification requirements stated above, may result in the Respondent being deemed non-responsive, and removal from the evaluation, and consideration for pre-qualification.

##### **C. TRADE SECRETS**

To qualify any submitted information as Trade Secret, or confidential, the Respondent must mark each page of the submitted RFQ Package or specific portion of a document as "trade secret." All material marked as a trade secret must be separated from all non-trade secret material, such as being submitted in a separate envelope clearly marked as "trade secret." If the County receives a public records request for a document or information that is marked and certified as a trade secret, the County shall release any information not verified as "trade secret", in accordance with applicable Public Records laws.

To invoke the provisions of Florida Statute 812.081, Trade Secrets, or other applicable law, the requesting firm must complete an Affidavit for Trade Secret Confidentiality, signed by an officer of the company, and submit the affidavit



with the information classified as “Trade Secret” with other proposal documents. The affidavit must reference the applicable law or laws under which trade secret status is to be granted.

#### **D. PUBLIC RECORDS**

1. The cost of reproduction, access to, disclosure, non-disclosure, or exemption of records, data, documents, and/or materials, associated with this Agreement shall be subject to the applicable provisions of the Florida Public Records Law (Chapter 119, Florida Statutes), and other applicable State and Federal provisions. Access to such public records, may not be blocked, thwarted, and/or hindered by placing the public records in the possession of a third party, or an unaffiliated party.
2. In accordance with Florida law, to the extent that Contractor’s performance under this Contract constitutes an act on behalf of the County, Contractor shall comply with all requirements of Florida’s public records law. Specifically, if Contractor is expressly authorized, and acts on behalf of the County under this Agreement, Contractor shall:
  - (a) Keep and maintain public records that ordinarily and necessarily would be required by the County in order to perform the Services;
  - (b) Upon request from the County’s custodian of public records, provide the County with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost as provided in Chapter 119, Florida Statutes, or as otherwise provided by law;
  - (c) Ensure that public records related to this Agreement that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by applicable law for the duration of this Agreement and following completion of this Agreement if the Contractor does not transfer the records to the County; and
  - (d) Upon completion of this Agreement, transfer, at no cost, to the County all public records in possession of the Contractor or keep and maintain public records required by the County to perform the Services.

If the Contractor transfers all public records to the County upon completion of this Agreement, the Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Contractor keeps and maintains public records upon completion of this Agreement, the Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the County, upon request from the County’s custodian of public records, in a format that is compatible with the County’s information technology systems.

Failure by the Contractor to comply with the requirements of this section shall be grounds for immediate, unilateral termination of this Agreement by the County.

**IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO ITS DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

**500 San Sebastian View  
St. Augustine, FL 32084  
(904) 209-0805  
[publicrecords@sjcfl.us](mailto:publicrecords@sjcfl.us)**

**E. USE OF COUNTY LOGO**

Pursuant to, and consistent with, County Ordinance 92-2 and County Administrative Policy 101.3, Respondents may not manufacture, use, display, or otherwise use any facsimile or reproduction of the County Seal/Logo without express written approval of the Board of County Commissioners of St. Johns County, Florida.

Respondents shall not include the St. Johns County Seal/Logo in any part of their submitted package. Any packages received by the SJC Purchasing Department, which contain the County Seal/Logo may be deemed nonresponsive to this requirement. The County reserves the right to request the submitting firm to resubmit a package with the County Seal/Logo removed, within twenty four (24) hours of the submittal deadline provided herein, or as necessary to serve the needs of the County.

**F. CONFLICT OF INTEREST**

Respondents must certify that they presently have no interest and shall acquire no interest, either directly or indirectly, which would conflict in any manner with the performance of required services as provided herein. Respondents must certify that no person having any interest shall be employed for the performance of any of the required services as provided herein.

Respondents are required to disclose to the County any and all potential conflicts of interest for any prospective business association, interest or circumstance, the nature of work the Respondent may undertake and request an opinion from the County, whether such association, interest, or circumstance constitutes a conflict of interest.

**G. RFQ PACKAGE SUBMITAL FORMAT**

The RFQ Package format must sufficiently address and demonstrate all required components, and follow the order of sections described below. The aim of the required format is to simplify the preparation and evaluation of the RFQ Packages.

All RFQ Packages must include the following components:

<u>Section</u>	<u>Topic</u>
1	Cover Page
2	Cover Letter
3	Company & Staff Qualifications and Resources
4	Related Experience
5	Project Approach & Understanding
6	Quality & Schedule Control
7	Additional Information
8	Administrative Information

**H. QUALIFICATIONS PACKAGE COMPONENTS**

All of the components outlined below must be included with each copy of the RFQ Package and submitted as follows: one (1) original hard copy original on and one (1) exact electronic copy on USB drive, submitted in a sealed envelope or container labeled with Company name and RFQ Number and name. Additionally, all headings, sections and sub-sections shall be identified appropriately. In order to insure a uniform review process and to obtain the maximum degree of comparability, it is recommended that proposals be organized in the manner specified as follows:

**Section 1: RFQ Cover Page (Complete and Submit)**

**Section 2: Cover Letter**

In this section of the package, Respondents shall provide a cover letter. Include the original signed cover letter with the original proposal and a copy of the cover letter with the PDF copy of the proposal. The cover letter should provide the following:

- Full legal company name,
- Physical street address and mailing address if different than street address (include location address of office that will perform the services under this Contract),
- Primary company phone and fax numbers and email address,
- Company type, i.e. Corporation, Partnership, etc.,

- Names and titles of principals,
- Brief statement of company history (date of establishment, number of years in business, number of employees, etc.),
- Brief description of business philosophy, and
- Reason for interest in submitting a response to this solicitation.

### **Delegation of Authority**

A contract entered into on behalf of the Respondent *may only be signed by an individual who has been delegated signature authority*. If the individual signing the required forms for this RFQ is not a principal of the firm, Respondent must provide with the submitted proposal a Letter of Delegation of Authority listing agents of the Respondent authorized to negotiate on behalf of and contractually bind the Respondent. The Letter of Delegation of Authority must be on company letterhead, be signed by a principal of the Responding firm, and must list the authorized agents' name, title, and limit of authority.

### **Section 3: Company & Staff Qualifications and Resources**

In this section, Respondents shall provide evidence that the firm has qualified and experienced staff to perform the scope of services required for this project. In addition, provide a brief summary of the firm's overall capabilities as outlined in the scope of services relative to this project.

#### **3-A. Licenses/Certifications**

In this section of the package, Respondents shall provide a list and copies of all current licenses and certifications. Minimum documentation shall be shown by completing and submitting **Attachment "3-A"** – License/Certification.

#### **3-B. Certificates of Insurance**

In this section, Respondents shall provide copies of Certificate(s) of Insurance providing evidence of all coverages as specified in Section IV above and submitted as **Attachment "3-B"** – Certificates of Insurance. (Prior to issuance of an executed contract, awarded respondent shall provide a Certificate of Insurance naming St. Johns County as "Additional Insured".)

#### **3-C. Claims, Liens, Litigation History**

In this section of the package, Respondents shall provide a list of all claims, liens and/or litigation history for the past seven (7) years by completing and submitting **Attachment "3-C"** – Claims, Liens, and Litigation History.

#### **3-D. Company Organization**

In this section, Respondents shall submit Company Organization Chart reflecting the organization of the company by submitting **Attachment "3-D"** – Company Organization Chart.

#### **3-E. Project Team Organization**

In this section, Respondent shall submit names, titles and organization of the proposed project team by submitting **Attachment "3-E"** – Project Team Organization Chart.

#### **3-F. Key Personnel**

In this section, Respondents shall submit evidence of qualified personnel shown on the Project Organization Chart who are proposed to perform the scope of work by completing all information and submitting **Attachment "3-F"** – Key Personnel List. The personnel list shall include any one who will be performing the responsibilities of a project manager, project administration and any other key position for this project. Brief comprehensive resumes should be provided for each staff member listed.

#### **3-G. Proposed Sub-Consultants**

In this section, Respondents shall submit evidence of qualified Sub-Consultants proposed to perform any portion of work specified herein by completing all information and submitting **Attachment "3-G"** – List of Proposed Sub-Consultants. Brief comprehensive resumes, including any and all licenses/certifications held, should be provided for each Sub-Consultant listed. All proposed Sub-Consultants are subject to approval by the County.

### **Section 4: Related Experience**

In this section of the package, Respondents shall provide evidence that the firm has successfully provided solid waste

engineering, environmental, economic, public relations, and related services, as described in Part III. Proof shall be provided by completing and submitting the following information and attachments:

**4-A. Previous Experience**

In this section, Respondents shall provide a written narrative describing a minimum three (3) projects as the lead firm or as a sub-consultant in the last five (5) years providing solid waste engineering, environmental, economic, public relations, and related services by submitting **Attachment “4-A”** – Previous Experience. The written narrative must include, at a minimum: (1) Company or client category; (2) Background information or situation analysis; (3) Approach; (4) Deliverables; and (5) Identify the key participants involved and the role each of them played.

**4-B. Project References**

In this section, Respondents shall provide a list of five (5) project references from individuals, firms or agencies that have contracted with the respondent to perform services of similar size and scope as those described herein. The information required shall include: reference company name, date(s) of service, project information, and a contact person name, title, phone number and email address. Each firm must include **Attachment “4-B”** – References in this section. References should include the primary contacts for the projects listed in the narrative for Section “4-A”

References shall be checked by the Purchasing Department, for the number one ranked Respondent, to verify capability to perform the work, and responsibility to fulfill the requirements of the contract.

**Section 5: Project Approach & Understanding**

In this section of the package, Respondents shall provide a written narrative describing the proposed approach and understanding for performing the services required for this project by submitting **Attachment “5-A”** – Project Approach & Understanding. The narrative must include a detailed work plan that addresses approach and method of how work on the project will be performed. The objective of the work plan is to demonstrate the Respondent’s ability to logically plan and complete the project, and the Respondent’s ability to successfully deliver any periodic progress reports, final reports, and presentations to the County.

**Section 6: Quality & Schedule Control**

In this section, Respondents shall provide a written narrative of the firm’s project management methods to establish, monitor, and track quality control methods including coordination of sub-consultants and ability to meet schedules in a timely manner by completing and submitting **Attachment “6-A”** – Quality & Schedule Control.

**Section 7: Additional Information**

In this section, at the Respondent’s discretion, include additional information to support the proposal. However, choose the additional information carefully, because this section of the proposal should not constitute the bulk of the submission.

**Section 8: Administrative Information**

Each Respondent shall submit in this section of the RFQ Package the following forms:

- Attachment “A” – Qualification Certification Notarized;
- Attachment “B” – Affidavit of Solvency;
- Attachment “C” – St. Johns County Affidavit;
- Attachment “D” – Conflict of Interest Disclosure;
- Attachment “E” – Drug-Free Workplace Form and
- All Addenda (signed and dated, if applicable)

**I. DETERMINATION OF RESPONSIVENESS**

The County shall make a determination for each Respondent, as to the responsiveness of the submitted RFQ Package to the requirements provided herein. Any Respondent who is not responsive to the requirements of this Request for Qualifications may be determined non-responsive, and may be removed from consideration by the Evaluation

Committee. Only those respondents who are fully responsive to the requirements herein will be evaluated for consideration of award.

The County reserves the right to waive any minor formality or irregularity in any submitted RFQ Proposal. However, any missing information or document(s) that are material to the purpose of the RFQ shall not be waived as a minor formality.

**J. EVALUATION OF QUALIFIATION PACKAGES**

All properly submitted RFQ Packages that are determined to be responsive to the requirements of this RFQ will be evaluated by an Evaluation Committee of no less than three (3) representatives. Each Evaluation Committee Team Member will receive an electronic copy of all responsive RFQ Packages submitted, an electronic copy of the RFQ Document with all issued Addenda, an Evaluator’s Score Sheet, and an Evaluator’s Narrative Sheet.

Evaluators will review and score the submitted, responsive, RFQ Packages individually, with no interaction or communication with any other individual. Scores and rankings will be summarized at the Public Evaluation Meeting, and the list of respondents will be shortlisted to no fewer than 3 firms to participate in interviews. The Evaluation Committee will rank the interviews with the shortlisted firms to determine the firm selected for award. If the Evaluation Committee determines that additional interviews and/or presentations are necessary to make a final decision for selection, the shortlisted firms will be notified. If required, presentations will be scored by the Evaluation Committee as provided herein. Shortlisted firms will be notified, as needed, of the required information that must be included in any presentation.

The County will make a final selection for award based on the scoring from the qualifications and the ranking from the interviews, and if needed, the scoring from presentations.

County Staff may consider any evidence available regarding financial, technical, other qualifications and abilities of a respondent, including past performance (experience) with the County prior to recommending approval of award to the St. Johns County Board of County Commissioners.

**K. EVALUATION CRITERIA AND SCORING**

The County will evaluate and rank respondents that submit RFQ Packages from highest to lowest based upon the specific evaluation criteria and point scores listed below.

<u>Evaluation Criteria:</u>	<u>Maximum Possible Points per Evaluator:</u>
A. Company Qualifications	15
B. Staff Qualifications & Resources	15
C. Related Experience	25
D. Project Approach & Understanding	30
E. Quality & Schedule Control	10
F. Quality of Submittal & Additional Information	05
<b>Total Points Possible:</b>	<b>100</b>
G. * Presentations (if required):	20
<b>* Total Points Possible:</b>	<b>120</b>

**L. RECOMMENDATION FOR AWARD**

Recommendation shall be made to the Board of County Commissioners by County Staff to enter into negotiations with only the highest ranked firm as determined by the evaluation committee, with the intention of coming to agreement over terms, conditions, and pricing in order to award a Contract for the services described herein.

The number one ranked firm will be submitted to the St. Johns County Board of County Commissioners for approval to enter into negotiations, and upon successful negotiations, award and execution of a contract. In the event that negotiations are unsuccessful and an agreement cannot be reached with the top ranked firm, staff will cease negotiations, and begin negotiations with the second ranked firm. This process will continue until such time as an agreement can be

reached, or the County, in its sole discretion, determines that moving to a subsequent firm would not be in the best interest of the County.

The St. Johns County Board of County Commissioners reserves the right to reject any or all qualifications packages, waive minor formalities or award to/negotiate with the firm whose qualifications package best serves the interest of the County.

**M. PROTEST PROCEDURES**

Any Respondent adversely affected by an intended decision, or by any term, condition, or procedure or specification with respect to this Request for Proposals, shall file, with the SJC Purchasing Department, a written Notice of Protest, no later than seventy two (72) hours (excluding Saturdays, Sundays, and legal holidays for employees of St. Johns County) after the posting, either electronically, or by other means, of the notice of intended action, notice of intended award, bid tabulation, publication by posting electronically or by other means of a procedure, specification, term or condition which the person intends to protest, or the right to protest such matter shall be waived. The protest procedures may be obtained from the SJC Purchasing Department, and are included in St. Johns County's Purchasing Manual. All of the terms and conditions of the County's Purchasing Manual are incorporated into this Request for Proposals by reference, and are fully binding.

**RFQ NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES FOR SJC SOLID WASTE DIVISION**

**PART V: EVALUATOR’S SCORE SHEET EXAMPLE**

**ST. JOHNS COUNTY FLORIDA  
BOARD OF COUNTY COMMISSIONERS**

**DATE:  
PROJECT:**

**CRITERIA RANKING:**

RESPONDENTS	A.	B.	C.	D.	E.	F.	TOTALS
	COMPANY QUALIFICATIONS	STAFF QUALIFICATIONS & RESOURCES	RELATED EXPERIENCE	PROJECT APPROACH & UNDERSTANDING	QUALITY & SCHEDULE CONTROL	QUALITY OF SUBMITTAL & ADDITIONAL INFORMATION	
	0 TO 15	0 TO 15	0 TO 25	0 TO 30	0 TO 10	0 TO 5	0 - 100

**SIGNATURE OF RATER: \_\_\_\_\_ PRINT NAME: \_\_\_\_\_ DATE: \_\_\_\_\_**

## **PART VI: CONTRACT REQUIREMENTS**

### **A. CONTRACT AGREEMENT & TERM**

The intent of this RFQ is to select one individual or firm through the evaluation process and to award a contract upon successful negotiations to the selected individual or firm. It is anticipated the County will issue a professional services contract for a period of three (3) calendar years, which may be renewed for two (2) one (1) year renewal periods providing that: satisfactory performance has been maintained by the Consultant, there is availability of appropriated funds, and that the County has a continued need for the services.

Any contract(s) negotiated with any individual or firm responding to this Request for Qualifications will be non-exclusive. The County reserves the right to: (1) enter into contracts with firms for some or all of the services; and to (2) subsequently solicit proposals and negotiate contracts, for such services with respect to specific projects. All such actions shall be subject to the sole discretion of the County.

The County may consider extending any executed Contract/Agreement under mutually acceptable terms and conditions. However, the County is under no obligation to extend any executed Contract/Agreement. Moreover, it is expressly understood that the option of extension is exercisable only by the County, and only upon the County's determination of satisfactory performance of any executed Contract/Agreement, including specifically, the Scope of Work/Services. Any contract renewal will be upon mutual agreement by all parties and based upon the availability of funds and the need for services.

In the event that a Contract Agreement is attached to the RFQ, such attached Contract Agreement is for discussion purposes only, and not necessarily reflective of any Contract that may be ultimately entered into by the County. In the event that a Contract Agreement is not attached to the RFQ, it is expressly understood that the Board of County Commissioner's (Board's) preference/selection of any proposal does not constitute an award of a Contract Agreement with the County. It is anticipated that subsequent to the Board's preference/selection of any proposal, contract negotiations will follow between the County and the selected Respondent. It is further expressly understood that no contractual relationship exists with the County until a Contract has been executed by both the County and the selected Respondent. The County reserves the right to delete, add to, or modify one or more components of the selected Respondent's proposal in order to accommodate changed or evolving circumstances that the County may have encountered since the issuance of the RFQ.

### **B. CONTRACT AWARD:**

Recommendation shall be made to the Board of County Commissioners by County Staff to enter into negotiations with the highest ranked firm(s) with the intention of coming to agreement over terms, conditions, and pricing in order to award a Contract for the services described herein.

### **C. CONTRACT PERFORMANCE**

At any point in time during the term of the Contract with the awarded firm, County Staff may review records of performance to ensure that the awarded firm is continuing to provide sufficient financial support, equipment and organization as prescribed herein. The County may place said contract on probationary status and implement termination procedures if the County determines that an awarded firm no longer possesses the financial support, equipment and organization which would have been necessary during the RFQ evaluation period in order to comply with this demonstration of competency section.

### **D. TERMINATION**

Failure on the part of the Consultant to comply with any portion of the duties and obligations under the Contract Agreement shall be cause for termination. If the Consultant fails to perform any aspect of the responsibilities described herein or as designated in an issued Task Order, St. Johns County shall provide written notification stating any and all items of non-compliance. The Consultant shall then have seven (7) consecutive calendar days to correct any and all items of non-compliance. If the items of non-compliance are not corrected, or acceptable corrective action, as approved by the County, has not been taken within the seven (7) consecutive calendar days, the Contract Agreement may be terminated by St. Johns County for cause, upon giving seven (7) consecutive calendar days written notice to the Consultant.

In addition to the above, the County may terminate the Contract Agreement at any time, without cause, upon thirty (30) days written notice to the Consultant.



#### **E. GOVERNING LAWS & REGULATIONS**

It shall be the responsibility of the Consultant to be familiar and comply with any and all federal, state, and local laws, ordinances, rules and regulations relevant to the services to be performed under this Contract. The Contract Agreement shall be governed by the laws of the State of Florida and the County both as to interpretation and performance.

#### **F. LICENSES, PERMITS & CERTIFICATIONS**

The Consultant shall be responsible for acquiring and maintaining any and all necessary licenses, permits, and/or certifications required to perform the work described herein throughout the duration of the Contract. The Consultant shall be solely responsible for paying any and all fines, penalties or fees assessed to the County, or the Consultant, for any lapse in require licenses, permits, or certifications required for any portion of the work.

#### **G. INSURANCE REQUIREMENTS**

The Consultant shall not commence work under this Contract until he/she has obtained all insurance required under this section and such insurance has been approved by the County. All insurance policies shall be issued by companies authorized to do business under the laws of the State of Florida. The Consultant shall furnish proof of Insurance to the County prior to the commencement of operations. The Certificate(s) shall clearly indicate the Consultant has obtained insurance of the type, amount, and classification as required by contract and that no material change or cancellation of the insurance shall be effective without thirty (30) days prior written notice to the County. Certificates shall specifically include the County as Additional Insured for all lines of coverage except Workers' Compensation and Professional Liability. A copy of the endorsement must accompany the certificate. Compliance with the foregoing requirements shall not relieve the Consultant of its liability and obligations under this Contract.

Certificate Holder Address: St. Johns County, a political subdivision of the State of Florida  
500 San Sebastian View  
St. Augustine, FL 32084

The Consultant shall maintain during the life of this Contract, Comprehensive General Liability Insurance with minimum limits of \$1,000,000 per occurrence, \$2,000,000 aggregate, to protect the Consultant from claims for damages for bodily injury, including wrongful death, as well as from claims of property damages which may arise from any operations under this contract, whether such operations be by the Consultant or by anyone directly employed by or contracting with the Consultant.

The Consultant shall maintain during the life of the contract, Professional Liability or Errors and Omissions Insurance with minimum limits of \$1,000,000, if applicable.

The Consultant shall maintain during the life of this Contract, Comprehensive Automobile Liability Insurance with minimum limits of \$1,000,000 combined single limit for bodily injury and property damage liability to protect the Consultant from claims for damages for bodily injury, including the ownership, use, or maintenance of owned and non-owned automobiles, including rented/hired automobiles whether such operations be by the Consultant or by anyone directly or indirectly employed by a Consultant.

The Consultant shall maintain during the life of this Contract, adequate Workers' Compensation Insurance in at least such amounts as are required by the law for all of its employees per Florida Statute 440.02.

In the event of unusual circumstances, the County Administrator or his designee may adjust these insurance requirements.

#### **H. INDEMNIFICATION**

To the fullest extent permitted by law, the Consultant shall indemnify, defend, and hold harmless St. Johns County, Florida, and employees from and against liability, claims, damages, losses and expenses, including attorney's fees, arising out of or resulting from performance of the Work, provided that such liability, claims, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or injury to or destruction to tangible property (other than the Work itself) including loss of use resulting there from, but only to the extent caused in whole or in part by negligent acts or omissions of the Consultant, a Sub-Consultant, or anyone directly or indirectly employed by them or anyone for whose acts they may be liable, regardless of whether or not such liability, claim, damage, loss or expense is caused in part by a party indemnified hereunder.

**In claims against any person or entity indemnified under this Paragraph by an employee of the Consultant, a Sub-Consultant, any one directly or indirectly employed by them or anyone for whose acts they may be liable,**

**the indemnification obligation under this Paragraph shall not be limited by a limitation on amount or type of damages, compensation or benefits payable by or for the Consultant or a Sub-Consultant under workers' compensation acts, disability benefits acts or other employee benefit acts.**

**I. SUB-CONSULTANTS**

If the Contractor elects to sub-contract with any firm, for any portion of the work, the Contractor shall be responsible for all work performed by any sub-contract and the Contractor shall not be relieved of any obligations under this Contract.

Each Respondent shall submit a list of proposed sub-contractors to be used if awarded the contract. Each Respondent must provide a list of Sub-Contractors, under Section 3: Company & Staff Qualifications, and attach a copy of any and all licenses and certificates for each sub-contractor listed and submit with each copy of the RFQ Package. If no sub-contractors are proposed, so state there on.

At any time, the County may, at its discretion, require any Respondent to submit all relevant data required to establish to the satisfaction of the County, the reliability and responsibility of the proposed sub-contractors to furnish and perform the work proposed.

Prior to the award of the Contract, the County will notify the Respondent in writing if the County, after due investigation, has reasonable and substantial objection to any person or organization proposed as a sub-contract. The Respondent then may, at his option, withdraw his RFQ Package, or submit an acceptable substitute at no increase in price. If the Respondent fails to submit an acceptable substitute within seven (7) days of the original notification, the County then may disqualify the Respondent, at no cost to the County.

The County reserves the right to disqualify any Consultant, Contractor, Sub-Contractor, Vendor, or material supplier due to previously documented project problems, either with performance or quality.

Sub-contractors and other persons and organizations proposed by the Respondent and accepted by the County, must be used on the work for which they were proposed and accepted and shall not be changed except with the written approval of the County.

**J. E-VERIFY**

The Contractor shall utilize the U.S. Department of Homeland Security's E-verify system to verify employment eligibility of any and all personnel performing any portion of the services required under this Agreement. Additionally, the Contractor shall expressly require any and all sub-contractors and sub-consultants to utilize the U.S. Department of Homeland Security's E-Verify system to verify employment eligibility of any and all personnel performing any portion of the services required under this Agreement.

**K. FORCE MAJEURE**

If awarded on the basis of this proposal, the undersigned pledges to provide the equipment/services as specified in the Proposal and County Specifications barring any delays due to strikes, fires, transportation difficulties or other causes beyond the control of the undersigned.

**PART VII: – ATTACHMENTS/FORMS**

**REQUEST FOR QUALIFICATIONS (RFQ) NO: 21-25  
ENGINEERING AND ENVIRONMENTAL SERVICES FOR SJC SOLID WASTE DIVISION**

**COVER PAGE**

**SUBMIT ONE (1) HARD-COPY ORIGINAL PROPOSAL, AND  
ONE (1) EXACT ELECTRONIC PDF COPY OF THE SUBMITTED PROPOSAL ON USB DRIVE  
IN A SEALED ENVELOPE OR CONTAINER TO:**

PURCHASING DEPARTMENT  
ST. JOHNS COUNTY  
500 SAN SEBASTIAN VIEW  
ST. AUGUSTINE, FLORIDA 32084

**FULL LEGAL NAME OF COMPANY:** \_\_\_\_\_

**MAILING ADDRESS:** \_\_\_\_\_

**CONTACT EMAIL ADDRESS:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**REQUEST FOR QUALIFICATIONS (RFQ) NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES FOR SJC SOLID WASTE DIVISION**

**ATTACHMENT "A"**

**QUALIFICATIONS CERTIFICATION FOR RFQ NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES FOR SJC SOLID WASTE DIVISION**

**The Undersigned submits this Qualification Package to be considered as a Qualified Consultant for provision of Engineering and Environmental Services for SJC Solid Waste Division.**

A copy of the license(s) under which our firm is engaged in the business of contracting in the state of Florida is attached. This license was issued in accordance with provisions of Section 489.113, Florida Statutes, and is currently valid and in force.

It is further understood that qualification, if given, shall be valid for the purpose of submitting pricing for the above referenced contract, unless suspended or terminated by St. Johns County.

The Undersigned authorizes and requests any public official, engineer, architect, Surety Company, bank depository, material or equipment manufacture or distributor or any person, firm or corporation to furnish all information requested by St. Johns County, to verify statements given with this Qualification Package.

The Undersigned further authorizes the St. Johns County, FL designee to disclose, without any liability whatsoever, any and all information contained in the pre-qualification package.

The Undersigned has not been disqualified by any public agency in Florida except as indicated below. (If none, insert: "N/A")

\_\_\_\_\_  
(Full Legal Company Name)

This \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

Attest:

APPROVED:

By: \_\_\_\_\_  
Name and Title of Officer

By: \_\_\_\_\_  
Name and Title of Authorized Officer

As Notarized

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

(Corporate Seal)

**REQUEST FOR QUALIFICATIONS (RFQ) NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES  
FOR SJC SOLID WASTE DIVISION**

**ATTACHMENT "B"**

**AFFIDAVIT OF SOLVENCY**

PERTAINING TO THE SOLVENCY OF {insert entity name}, being of lawful age and being duly sworn I, {insert affiant name}, as {insert position or title} (ex: CEO, officer, president, duly authorized representative, etc.) hereby certify under penalty of perjury that:

1. I have reviewed and am familiar with the financial status of above stated entity.
2. The above stated entity possesses adequate capital in relation to its business operations or any contemplated or undertaken transaction to timely pay its debts and liabilities (including, but not limited to, unliquidated liabilities, unmatured liabilities and contingent liabilities) as they become absolute and due.
3. The above stated entity has not, nor intends to, incur any debts and/or liabilities beyond its ability to timely pay such debts and/or liabilities as they become due.
4. I fully understand failure to make truthful disclosure of any fact or item of information contained herein may result in denial of the application, revocation of the Certificate of Public Necessity if granted and/or other action authorized by law.

The undersigned has executed this Affidavit of Solvency, in his/her capacity as a duly authorized representative of the above stated entity, and not individually, as of this \_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Signature of Affiant

STATE OF \_\_\_\_\_)

COUNTY OF \_\_\_\_\_)

Subscribed and sworn to before me this \_\_\_ day of \_\_\_\_\_, 20\_\_, by \_\_\_\_\_ who personally appeared before me at the time of notarization, and who is personally known to me or who has produced \_\_\_\_\_ as identification.

\_\_\_\_\_  
Notary Public

My commission expires:  
\_\_\_\_\_

**REQUEST FOR QUALIFICATIONS (RFQ) NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES  
FOR SJC SOLID WASTE DIVISION**

**ATTACHMENT "C"**

**AFFIDAVIT**

ST. JOHNS COUNTY BOARD OF COUNTY COMMISSIONERS  
ST. AUGUSTINE, FLORIDA

At the time the proposal is submitted, the Respondent shall attach to his proposal a sworn statement.

The sworn statement shall be an affidavit in the following form, executed by an officer of the firm, association or corporation submitting the proposal and shall be sworn to before a person who is authorized by law to administer oaths.

STATE OF \_\_\_\_\_ COUNTY OF \_\_\_\_\_. Before me, the undersigned authority, personally appeared \_\_\_\_\_ who, being duly sworn, deposes and says he is \_\_\_\_\_ (Title) of \_\_\_\_\_ (Firm) the respondent submitting the attached proposal for the services covered by the RFQ documents for RFQ No: 21-25; Engineering and Environmental Services for SJC Solid Waste Division.

The affiant further states that no more than one proposal for the above referenced project will be submitted from the individual, his firm or corporation under the same or different name and that such respondent has no financial interest in the firm of another respondent for the same work, that neither he, his firm, association nor corporation has either directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this firm's proposal on the above described project. Furthermore, neither the firm nor any of its officers are debarred from participating in public contract lettings in any other state.

\_\_\_\_\_  
(Proposer)

By \_\_\_\_\_

\_\_\_\_\_  
(Title)

STATE OF \_\_\_\_\_)

COUNTY OF \_\_\_\_\_)

Subscribed and sworn to before me this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by \_\_\_\_\_ who personally appeared before me at the time of notarization, and who is personally known to me or who has produced \_\_\_\_\_ as identification.

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_

**VENDOR ON ALL COUNTY PROJECTS MUST EXECUTE AND ATTACH THIS AFFIDAVIT TO EACH PROPOSAL.**

**REQUEST FOR QUALIFICATIONS (RFQ) NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES FOR SJC SOLID WASTE DIVISION**

**St. Johns County Board of County Commissioners**

**ATTACHMENT ‘D’**

**CONFLICT OF INTEREST DISCLOSURE FORM**

Project (RFQ) Number/Description: RFQ No 21-25; Engineering and Environmental Services for SJC Solid Waste Division

The term “conflict of interest” refers to situations in which financial or other considerations may adversely affect, or have the appearance of adversely affecting a consultant’s/contractor’s professional judgment in completing work for the benefit of St. Johns County (“County”). The bias such conflicts could conceivably impart may inappropriately affect the goals, processes, methods of analysis or outcomes desired by the County.

Consultants/Contractors are expected to safeguard their ability to make objective, fair, and impartial decisions when performing work for the benefit of the County. Consultants/Contractors, therefore must there avoid situations in which financial or other considerations may adversely affect, or have the appearance of adversely affecting the Consultant’s/Contractor’s professional judgement when completing work for the benefit of the County.

The mere appearance of a conflict may be as serious and potentially damaging as an actual distortion of goals, processes, and methods of analysis or outcomes. Reports of conflicts based upon appearances can undermine public trust in ways that may not be adequately restored even when the mitigating facts of a situation are brought to light. Apparent conflicts, therefore, should be disclosed and evaluated with the same vigor as actual conflicts.

It is expressly understood that failure to disclose conflicts of interest as described herein may result in immediate disqualification from evaluation or immediate termination from work for the County.

---

Please check the appropriate statement:

- I hereby attest that the undersigned Respondent has no actual or potential conflict of interest due to any other clients, contracts, or property interests for completing work on the above referenced project.
- The undersigned Respondent, by attachment to this form, submits information which may be a potential conflict of interest due to other clients, contracts or property interests for completing work on the above referenced project.

Legal Name of Respondent: \_\_\_\_\_

Authorized Representative(s): \_\_\_\_\_  
Signature Print Name/Title

\_\_\_\_\_  
Signature Print Name/Title

**REQUEST FOR QUALIFICATIONS (RFQ) NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES  
FOR SJC SOLID WASTE DIVISION**

**ST. JOHNS COUNTY BOARD OF COUNTY COMMISSIONERS**

**ATTACHMENT "E"**

**DRUG-FREE WORKPLACE FORM**

The undersigned firm, in accordance with Florida Statute 287.087 hereby certifies that

\_\_\_\_\_ does:  
Name of Firm

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the danger of drug abuse in the workplace, the business' policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, employee assistance programs and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the contractual services that are described in St. Johns County's request for qualifications a copy of the statement specified in paragraph 1.
4. In the statement specified in paragraph 1, notify the employees that, as a condition of working on the contractual services described in paragraph 3, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Florida Statute 893, as amended, or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction or plea.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community by, any employee who is so convicted.
6. Consistent with applicable provisions with State or Federal law, rule, or regulation, make a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs 1 through 5.

As the person authorized to sign this statement, I certify that this firm complies fully with the above requirements.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date



**REQUEST FOR QUALIFICATIONS (RFQ) NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES  
FOR SJC SOLID WASTE DIVISION**

**ATTACHMENT “3-A”**

**LICENSES, PERMITS, CERTIFICATIONS**

In the space below, each Respondent shall list all current licenses and/or certifications held relative to the required services as provided herein.

*Each Respondent shall attach a copy of each current license and/or certification listed below to his proposal as instructed.*

License Name	License #	Issuing Agency	Expiration Date

**REQUEST FOR QUALIFICATIONS (RFQ) NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES  
FOR SJC SOLID WASTE DIVISION**

**ATTACHMENT “B”  
CERTIFICATES OF INSURANCE**

Respondents shall provide certificates of insurance as part of their submittal package. Certificates of insurance shall meet or exceed the requirements as described in Part VI: Contract Requirements; H. Insurance Requirements.

Failure to provide proof of current insurance coverage or ability to obtain the required coverages may result in being deemed non-responsive and removed from further consideration.

(Attach or insert copy here)

**REQUEST FOR QUALIFICATIONS (RFQ) NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES FOR SJC SOLID WASTE DIVISION**

**ATTACHMENT "3-C"**

**CLAIMS, LIENS, LITIGATION HISTORY**

(Complete and Submit)

1. Within the past 7 years, has your organization filed suit or a formal claim against a project owner (as a prime or subcontractor) or been sued by or had a formal claim filed by an owner, subcontractor or supplier resulting from a construction dispute? Yes \_\_\_\_\_ No \_\_\_\_\_ If yes, please attach additional sheet(s) to include:

Description of every action Captions of the Litigation or Arbitration

Amount at issue: \_\_\_\_\_ Name (s) of the attorneys representing all parties:

Amount actually recovered, if any: \_\_\_\_\_

Name(s) of the project owner(s)/manager(s) to include address and phone number:

2. List all pending litigation and or arbitration.
3. List and explain all litigation and arbitration within the past seven (7) years - pending, resolved, dismissed, etc.
4. Within the past 7 years, please list all Liens, including Federal, State and Local, which have been filed against your Company. List in detail the type of Lien, date, amount and current status of each Lien.
5. Have you ever abandoned a job, been terminated or had a performance/surety bond called to complete a job?  
Yes \_\_\_\_\_ No \_\_\_\_\_ If yes, please explain in detail:
6. For all claims filed against your company within the past five-(5) years, have all been resolved satisfactorily with final judgment in favor of your company within 90 days of the date the judgment became final? Yes \_\_\_\_ No \_\_\_\_  
If no, please explain why? \_\_\_\_\_
7. List the status of all pending claims currently filed against your company:

**Liquidated Damages**

1. Has a project owner ever withheld retainage, issued liquidated damages or made a claim against any Performance and Payment Bonds? Yes \_\_\_\_\_ No \_\_\_\_\_ If yes, please explain in detail:

**(Use additional or supplemental pages as needed)**

**REQUEST FOR QUALIFICATIONS (RFQ) NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES  
FOR SJC SOLID WASTE DIVISION**

**ATTACHMENT “3-D”  
COMPANY ORGANIZATION CHART  
(Attach or insert copy here)**

**REQUEST FOR QUALIFICATIONS (RFQ) NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES  
FOR SJC SOLID WASTE DIVISION**

**ATTACHMENT “3-E”**

**PROJECT TEAM ORGANIZATION CHART**

(Attach or insert copy here)

**REQUEST FOR QUALIFICATIONS (RFQ) NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES  
FOR SJC SOLID WASTE DIVISION**

**ATTACHMENT “3-F”  
KEY PERSONNEL LIST**

In the space below, list all qualified personnel who are permanent employees of the company that may be utilized to perform the required scope of services. Attach brief but comprehensive resumes for each staff member listed below.

Employee Name	Employee Title	# Years Employed	Total # Yrs. Experience

**REQUEST FOR QUALIFICATIONS (RFQ) NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES  
FOR SJC SOLID WASTE DIVISION**

**ATTACHMENT "3-G"**

**LIST OF PROPOSED SUB-CONSULTANTS**

Each Respondent shall provide any and all subcontractors or major materials suppliers proposed to perform any portion of work specified herein. Attach brief comprehensive resumes, including any and all licenses/certifications held. All proposed subcontractors are subject to approval by the County.

**DIVISION OF WORK**

**NAME AND ADDRESS OF SUB-CONSULTANTS**


**REQUEST FOR QUALIFICATIONS (RFQ) NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES  
FOR SJC SOLID WASTE DIVISION**

**ATTACHMENT “4-A”**

**PREVIOUS EXPERIENCE**

(Attach or insert copy here of a written narrative for at least three (3) projects completed within the past five (5) years)



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**ATTACHMENT "4-B"**

**PROJECT REFERENCES**

Each Respondent must submit a list of five (5) project references from individuals, firms or agencies that have contracted with the respondent to perform services of similar size and scope as those described in this RFQ. The information required shall include: reference company name, date(s) of service, project information including name of project, and a contact person name, title, phone number and email address. References shall be checked by the Purchasing Department, for the number

1. Reference Company Name: \_\_\_\_\_  
Date(s) of Service: \_\_\_\_\_  
Project Information (Type of Study): \_\_\_\_\_  
\_\_\_\_\_  
Primary Reference Contact Name and Title: \_\_\_\_\_  
Contact Phone Number: \_\_\_\_\_  
Contact Email Address: \_\_\_\_\_

\*\*\*\*\*

2. Reference Company Name: \_\_\_\_\_  
Date(s) of Service: \_\_\_\_\_  
Project Information (Type of System): \_\_\_\_\_  
\_\_\_\_\_  
Primary Reference Contact Name and Title: \_\_\_\_\_  
Contact Phone Number: \_\_\_\_\_  
Contact Email Address: \_\_\_\_\_

\*\*\*\*\*

3. Reference Company Name: \_\_\_\_\_  
Date(s) of Service: \_\_\_\_\_  
Project Information (Type of System): \_\_\_\_\_  
\_\_\_\_\_  
Primary Reference Contact Name and Title: \_\_\_\_\_  
Contact Phone Number: \_\_\_\_\_  
Contact Email Address: \_\_\_\_\_

\*\*\*\*\*

4. Reference Company Name: \_\_\_\_\_

Date(s) of Service: \_\_\_\_\_

Project Information (Type of System): \_\_\_\_\_

Primary Reference Contact Name and Title: \_\_\_\_\_

Contact Phone Number: \_\_\_\_\_

Contact Email Address: \_\_\_\_\_

\*\*\*\*\*

5. Reference Company Name: \_\_\_\_\_

Date(s) of Service: \_\_\_\_\_

Project Information (Type of System): \_\_\_\_\_

Primary Reference Contact Name and Title: \_\_\_\_\_

Contact Phone Number: \_\_\_\_\_

Contact Email Address: \_\_\_\_\_

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**ATTACHMENT “5-A”**

**PROJECT APPROACH & UNDERSTANDING**

(Attach or insert copy here)

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**ATTACHMENT “6A”  
QUALITY & SCHEDULE CONTROL**

(Attach or insert copy here)

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**OPTIONAL CHECKLIST**


<b>SECTION</b>	<b>RFQ PACKAGE COMPONENTS</b>	<b>CHECK BOX</b>
<b>Section 1</b>	Cover Page	
<b>Section 2</b>	Cover Letter	
<b>Section 3</b>	Company & Staff Qualifications and Resources:	
	Attachment "3-A" – Licenses, Permits, Certifications	
	Attachment "3-B" – Certificates of Insurance	
	Attachment "3-C" – Claims, Liens, Litigation History	
	Attachment "3-D" – Company Organization Chart	
	Attachment "3-E" – Project Team Organization Chart	
	Attachment "3-F" – Key Personnel List	
	Attachment "3-G" – List of Proposed Sub-Consultants	
<b>Section 4</b>	Related Experience:	
	Attachment "4-A" – Previous Experience	
	Attachment "4-B" – Project References	
<b>Section 5</b>	Attachment "5-A" – Project Approach & Understanding	
<b>Section 6</b>	Attachment "6-A" – Quality & Schedule Control	
<b>Section 7</b>	Additional Information	
<b>Section 8</b>	Administrative Information - Other Required Forms:	
	Attachment "A" –Qualifications Certification Notarized	
	Attachment "B" – Affidavit of Solvency	
	Attachment "C" – St. Johns County Affidavit	
	Attachment "D" – Conflict of Interest Disclosure Form	
	Attachment "E" – Drug-Free Workplace Form	
	Acknowledged (signed) Addenda	

**REQUEST FOR QUALIFICATIONS (RFQ) NO: 21-25; ENGINEERING AND ENVIRONMENTAL SERVICES  
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**SEALED RFQ MAILING LABEL**

**Cut along the outer border and affix this label  
to your sealed bid envelope to identify it as a  
"Sealed RFQ"**

<b>SEALED RFQ • DO NOT OPEN</b>	
SEALED RFQ #:	<b>RFQ 21-25</b>
RFQ TITLE:	<b>ENGINEERING AND ENVIRONMENTAL SERVICES FOR SJC SOLID WASTE DIVISION</b>
DUE DATE/TIME:	<b>Thursday, December 17, 2020 No Later Than 4:00 P.M.</b>
SUBMITTED BY:	_____
	Company Name
	_____
	Company Address
	_____
	Company Address
DELIVER TO:	St. Johns County Purchasing 500 San Sebastian View St St. Augustine, FL 32084



**END OF DOCUMENT**