

A RESOLUTION BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, AUTHORIZING THE COUNTY ADMINISTRATOR, OR DESIGNEE, TO AWARD RFQ NO. 12-06 AND TO EXECUTE AN AGREEMENT FOR ENVIRONMENTAL ENGINEERING SERVICES FOR THE SOLID WASTE DIVISION.

RECITALS

WHEREAS, the County desires to enter into a contract with Nelson Engineering Co; and

WHEREAS, the scope of the project shall consist of providing Environmental Engineering Services for St. Johns County Solid Waste Division; and

WHEREAS, through the County's formal RFQ process, Nelson Engineering Co was selected as the most qualified respondent to enter into a contract with the County to perform the work referenced above; and

WHEREAS, the County has reviewed the terms, provisions, conditions and requirements of the draft contract (attached hereto, an incorporated herein) and finds that entering into the Contract serves a public purpose; and

WHEREAS, the contract will be finalized after further negotiations but will be in substantial conformance with the attached draft contract.

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 award RFQ 12-06 to Nelson Engineering Co.

Section 3. The County Administrator, or designee, is further authorized to execute a contract in substantial conformance with the attached draft Contract with Nelson Engineering on behalf of the County for services as provided in RFQ 12-06.

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 21 day of February, 2012.

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

By: [Signature]
Chair

ATTEST: Cheryl Strickland, Clerk

By: [Signature]
Deputy Clerk



RENDITION DATE 2/23/12

**CONTINUING CONTRACT
FOR
FOR VARIOUS PROJECTS
ST. JOHNS COUNTY, FLORIDA**

This Contract is made as of the _____th day of _____, 2012, by and between the Board of County Commissioners of St. Johns County, Florida, hereinafter referred to as the COUNTY, and Nelson Engineering Co, a corporation, authorized to do business in the State of Florida, hereinafter referred to as the CONSULTANT, whose address is: 5335 North Courtenay Parkway, Merrit Island, Fl 32953.

In consideration of the mutual promises contained herein, the COUNTY and the CONSULTANT agree as follows:

ARTICLE 1 - SERVICES

The CONSULTANT's responsibility under this Contract is to provide professional/consultation services in the area of Environmental Engineering Services for the Solid Waste Department, and to perform and complete the work specifically set forth in the each task order to this contract.

The Work shall be performed on an as need basis per project and by task order to this contract.

Services of the CONSULTANT shall be under the general direction of a county representative to be identified in each task order, who shall act as the COUNTY's representative during the performance of this Contract.

ARTICLE 2 - SCHEDULE

The COUNTY and the CONSULTANT shall approve each schedule, which will become a part of each task order. All testing and reports shall coincide with agency requirements.

ARTICLE 3 - PAYMENTS TO CONSULTANT

- A. The COUNTY shall pay to the CONSULTANT for services satisfactorily performed, as follows: The CONSULTANT will bill the COUNTY on a monthly basis or as otherwise provided and at the amounts set forth in Contract Addenda for services rendered toward the completion of the Scope of Work. The amounts billed shall represent the approximate completion of services outlined in the Scope of Work contained in various task orders.
- B. Invoices received from the CONSULTANT pursuant to this Contract will be reviewed and approved by the initiating County department, indicating that services have been rendered in the conformity with the Contract and then will be sent to the Finance Department for payment. Invoices must reference this contract and the task order against which the CONSULTANT is billing.
- C. FINAL INVOICE PER Task order: In order for both parties herein to close their books and records, the CONSULTANT will clearly state "final invoice" on the CONSULTANT's final/last billing to the COUNTY, this indicates that all services have been performed and all charges and costs have been invoice to St. Johns County and there is no further work to be performed on the specific task order.
- D. Contract Task order. Value of this contract is based on contract task orders, each task order shall have its own specific value on a "stand alone" basis.
- E. Labor Unit rates established at the beginning of this agreement may be adjusted annually beginning with the next task order issued after the anniversary date of the agreement. The reference index used to determine the amount of increase (decrease) will be the Bureau of Labor Statistics unadjusted Consumer

Price Index for all items for All Urban Consumers (CPI-U), U. S. City Average, published immediately prior to the contract anniversary date. The current index, _____ (date) _____, is _____.

ARTICLE 4 - TRUTH-IN-NEGOTIATION CERTIFICATE

The signing of this Contract by the CONSULTANT shall act as the execution of a truth-in-negotiation certificate certifying that the wage rates and cost used to determine the compensation provided for in this Contract are accurate, complete and current as of the date of the Contract.

The said rates and costs shall be reduced to exclude any significant sums should the COUNTY determine that the rates and costs were increased due to inaccurate, incomplete or noncurrent wage rates or due to inaccurate representations of fees paid to outside consultants. The COUNTY may exercise its rights under this Article 4 within one (1) year following final payment.

ARTICLE 5 - TERMINATION

This Contract may be terminated by the CONSULTANT upon 30 days' prior written notice to the COUNTY in the event of substantial failure by the COUNTY to perform in accordance with the terms of this Contract through no fault of the CONSULTANT. It may also be terminated by the COUNTY, with or without cause, immediately upon written notice to the CONSULTANT.

Unless the CONSULTANT is in breach of this Contract, the CONSULTANT shall be paid for services rendered to the COUNTY's satisfaction through the date of termination. After receipt of a Termination Notice and except as otherwise directed by the COUNTY and CONSULTANT shall:

- A. Stop work on the date to the extent specified.
- B. Terminate and settle all orders and subcontracts relating to the performance of the terminated work.
- C. Transfer all work in process, completed work, and other material related to the terminated work to the COUNTY.
- D. Continue and complete all parts of the work that have not been terminated.

ARTICLE 6 - PERSONNEL

The CONSULTANT represents that it has, or will secure at its own expense, all necessary personnel required to perform the services under this Contract. 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, and all personnel engaged in performing the services shall be fully qualified and, if required, authorized or permitted under state and local law to perform such services.

Any changes or substitutions in the CONSULTANT's key personnel, as may be listed in **Exhibit "D"**, 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 agrees that all services shall be performed by skilled and competent personnel in a manner consistent with that degree of care and skill ordinarily used by members of the same profession currently practicing under similar circumstances.

ARTICLE 7 - SUBCONTRACTING

The COUNTY reserves the right to accept the use of a 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 properly the Work described in this Contract. The CONSULTANT is encouraged to seek minority and women business enterprises for participation in subcontracting opportunities.

If a subcontractor fails to perform or make progress, as required by this Contract, and it is necessary to replace the subcontractor to complete the work in a timely fashion, the CONSULTANT shall promptly do so, subject to acceptance of the new subcontractor by the COUNTY.

ARTICLE 8 - FEDERAL AND STATE TAX

The COUNTY is exempt from payment of Florida State Sales and Use Taxes. The COUNTY will sign an exemption certificate submitted by the CONSULTANT. The CONSULTANT shall not be exempted from paying tax to their suppliers for materials used to fulfill contractual obligations with the COUNTY, nor is the CONSULTANT authorized to use the COUNTY's Tax Exemption Number in securing such materials.

The CONSULTANT shall be responsible for payment of his/her own FICA and Social Security benefits with respect to this Contract.

ARTICLE 9 - AVAILABILITY OF FUNDS

The obligations of the COUNTY under this Contract are subject to the availability of funds lawfully appropriated for its purpose by the Board of County Commissioners of St. Johns County.

ARTICLE 10 - INSURANCE

- A. The CONSULTANT shall not commence work under this Agreement until he/she has obtained all insurance required under this paragraph and such insurance has been approved by the COUNTY.
- B. All insurance policies shall be issued by companies authorized to do business under the laws of the State of Florida. The CONSULTANT shall furnish Certificates of Insurance to the COUNTY prior to the commencement of operations. The Certificates shall clearly indicate that the CONSULTANT has obtained insurance of the type, amount, and classification as required for strict compliance with this paragraph and that no material change or cancellation of the insurance shall be effective without thirty (30) days prior written notice to the COUNTY. Compliance with the foregoing requirements shall not relieve the CONSULTANT of its liability and obligations under this Contract.
- C. The CONSULTANT shall maintain during the term of this Contract, standard Professional Liability Insurance in the amount of \$1,000,000.00 per occurrence.
- D. The CONSULTANT shall maintain during the life of this Contract, Comprehensive General Liability Insurance in the amount of \$1,000,000 per occurrence 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.
- E. The CONSULTANT shall maintain during the life of this Contract Comprehensive Automobile Liability Insurance in the amount 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 automobiles whether such operations be by the CONSULTANT or by anyone directly or indirectly employed by the CONSULTANT.
- F. The CONSULTANT shall maintain during the life of this Contract, adequate Workman's Compensation Insurance and Employer's Liability Insurance in at least such amounts as are required by the law for all of its employees (if three or more) per Florida Statute 440.02.
- G. All insurance other than Professional Liability and Workman's Compensation, to be maintained by the CONSULTANT shall specifically include the COUNTY as an "Additional Insured".

ARTICLE 11 - INDEMNIFICATION

The CONSULTANT shall indemnify and hold harmless the agency, and its officers and employees, from liabilities, damages, losses, and cost, including, but not limited to, reasonable attorneys' fees, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of the design professional and other persons employed or utilized by the design professional in the performance of the contract.

ARTICLE 12 - 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 Contract and to the partners, successors, executors, administrators and assigns of such other party, in respect to all covenants of this Contract. Except as above, neither the COUNTY nor the CONSULTANT shall assign, sublet, convey or transfer its interest in this Contract 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 13 - 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 now 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 14 - CONFLICT OF INTEREST

The CONSULTANT represents that it presently has no interest and shall acquire no interest, either direct or indirect, 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 Contract.

ARTICLE 15 - EXCUSABLE DELAYS

The CONSULTANT shall not be considered in default by reason of any delay in performance if such delay arises out of causes reasonably beyond the CONSULTANT's control and without its fault or negligence. Such cases may include, but are not limited to: acts of God; the COUNTY's emissive and commissive failures; natural or public health emergencies; freight embargoes; and severe weather conditions.

If delay is caused by the failure of the CONSULTANT's subcontractor(s) to perform or make progress, and if such delay arises out of causes reasonably beyond the control of the CONSULTANT and its subcontractor(s)

and is without the fault or negligence of either of them, the CONSULTANT shall not be deemed to be in default.

Upon the CONSULTANT's request, the COUNTY shall consider the facts and extent of any delay in performing the work and, if the CONSULTANT's failure to perform was without its fault or negligence, the Contract Schedule and/or any other affected provision of this Contract shall be revised accordingly; subject to the COUNTY's right to change, terminate, or stop any or all of the Work at any time.

ARTICLE 16 - 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 Contract.

ARTICLE 17 - DISCLOSURE AND OWNERSHIP OF DOCUMENTS

The CONSULTANT shall deliver to the COUNTY for approval and acceptance, and before being eligible for final payment of any amounts due, all documents and materials prepared by and for the COUNTY under this Contract.

All written and oral 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 will be kept confidential by the CONSULTANT and will 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 Contract or at the COUNTY's expense shall be and will remain COUNTY 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 Contract and the consummation of the transactions contemplated hereby.

ARTICLE 18 - INDEPENDENT CONTRACTOR RELATIONSHIP

The CONSULTANT is, and shall be, in the performance of all work services and activities under this Contract, and Independent Contractor, and not an employee, agent, or servant of the COUNTY. All persons engaged in any of the work or services performed pursuant to this Contract 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 19 - 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 Contract 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 Contract.

ARTICLE 20 - 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 (3) years after completion of this Contract. 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 (5) days written notice.

ARTICLE 21 - 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 22 - ENTIRETY OF CONTRACTUAL AGREEMENT

The COUNTY and the CONSULTANT agree that this contract sets forth the entire agreement between the parties, and that there are no promises or understandings other than those stated herein. This contract shall be in effect for _____ () years from the day of acceptance by the County, and may be extended after negotiations with the engineer/consultant, if approved by the County for _____ () additional one year increments. None of the provisions, terms and conditions contained in this contract may be added to, modified, superseded or otherwise altered, except by written instrument executed by the parties hereto.

ARTICLE 23 - ENFORCEMENT COSTS

If any legal action or other proceeding is brought for the enforcement of this Contract, or because of an alleged dispute, breach, default or misrepresentation in connection with any provisions of this Contract, 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 24 - AUTHORITY TO PRACTICE

The CONSULTANT hereby represents and warrants that it has and will continue to maintain all license and approvals required to conduct business, and that it will at all times conduct its business activities in a reputable manner.

ARTICLE 25 - SEVERABILITY

If any term or provision of this Contract, or the application thereof to any person or circumstances shall, to any extent, be held invalid or unenforceable, the remainder of this Contract, 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 Contract shall be deemed valid and enforceable to the extent permitted by law.

ARTICLE 26 - AMENDMENTS AND MODIFICATIONS

No task orders and/or modifications of this Contract shall be valid unless in writing and signed by each of the parties. All Amendments and modifications shall be in the form of a change order or task order.

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 Contract.

If the COUNTY so instructs in writing, the CONSULTANT shall suspend work on that portion of the Work affected by a contemplated change, pending the COUNTY's decision to proceed with the change.

If the COUNTY elects to make the change, the COUNTY shall issue a Task Order for changes to a task in progress or a contract change order if the original contract is to be changed or amended and the CONSULTANT shall not commence work on any such change until such written task order or change order has been issued and signed by each of the parties.

ARTICLE 27 - ENUMERATION OF CONTRACT DOCUMENTS

The Contract Documents, except for modifications issued after execution of this Agreement, will be enumerated in each task order.

ARTICLE 28 - FLORIDA LAW

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

ARTICLE 29 - ARBITRATION

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

ARTICLE 30 - NOTICE

All notices required in this Contract 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: Joe Burch, Purchasing Director
2446 Dobbs Road
St. Augustine, Florida 32086

and if sent to the CONSULTANT shall be mailed to:

_____, Inc.

Attn: _____

ARTICLE 31 - HEADINGS

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

IN WITNESS WHEREOF, the Board of County Commissioners of St. Johns County, Florida has made and executed this Contract on behalf of the COUNTY and CONSULTANT has hereunto set his/her hand the day and year above written.

ATTEST:
CHERYL STRICKLAND, CLERK

ST. JOHNS COUNTY, FLORIDA

BY: _____
DEPUTY CLERK

BY: _____
Joe Burch, Purchasing Director

DATE

LEGALLY SUFFICIENT

CONSULTANT:

Assistant County Attorney

Name (Type or Print)

Name (Type or Print)

Signature

DATE

Title

EVALUATION SUMMARY SHEET

ST. JOHNS COUNTY, FLORIDA

Date: 05-Jan-12
RFQ: 12-06

Environmental Engineering Services
for the Tillman Ridge Landfill

FIRM	RATER	RATER	RATER	RATER	RATER	TOTAL	RANK	COMMENTS
Nelson Engineering Co.	Wendy Manucy 93	Stanley Solano 76	Doug Tarbox 82	Jim Overton 85	Paul Gibson 90	426	1	
Jones Edmunds	87	70	87	88	89	421	2	
Aerostar Environmental Services, Inc.	87	71	86	86	82	412	3	
Water & Air Research, Inc.	76	69	89	81	77	392	4	
SCS Engineers	81	69	84	79	75	388	5	

APPROVED: Purchasing Director

Solid Waste Manager

Joe Burk
Wendy Manucy

1-5-12
1-5-12

NOTE: THE RANKING SHOWN ABOVE MUST BE FOLLOWED UNLESS SPECIAL CONDITIONS MERIT A CHANGER 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 9:00 a.m. January 5, 2012 UNTIL 4:00 p.m. January 10, 2012

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.

EVALUATION SHEET
RANKING OF PROFESSIONALS

Wendy January
1/5/12

CONTINUING CONTRACT – Environmental Engineering Services for the Tillman Ridge Landfill Phase I and II

ST. JOHNS COUNTY, FLORIDA

DATE: PROJECT: RFQ: 12-06

CRITERIA FOR RANKING: Environmental Engineering for the Tillman Ridge Landfill Phase I and II

FIRM.	A. COMPLIANCE WITH RFQ INSTRUCTIONS 0 TO 5	B. EXPERIENCE WITH SIMILAR PROJECTS 0 TO 25	C. STAFF QUALIFICATIONS AND FIRM BACKGROUND 0 TO 20	D. PROJECT APPROACH 0 TO 25	E. QUALITY CONTROL 0 TO 10	F. SCHEDULE AND AVAILABILITY 0 TO 10	*G. REFERENCES 0 TO 5	TOTALS
Aerostar Environmental Services, Inc.	3	18	20	20	10	9	5	87 ✓
Jones Edmunds	5	19	20	20	10	8	5	84 ✓
Nelson Engineering	5	22	20	22	10	9	5	93 ✓
SCS Engineers	5	13	20	20	10	8	5	81 ✓
Water & Air Research, Inc.	5	13	20	15	10	8	5	76 ✓

*To avoid duplication, the Solid Waste Manager or Designee will contact and rank references.

SIGNATURE OF RATER: *Wendy January* PRINT NAME: *Wendy January* DATE: *1-5-12*

EVALUATION SHEET
RANKING OF PROFESSIONALS

Handwritten signature and date: 1/5/12

CONTINUING CONTRACT – Environmental Engineering Services for the Tillman Ridge Landfill Phase I and II

ST. JOHNS COUNTY, FLORIDA

DATE:
PROJECT: RFO: 12-06

CRITERIA FOR RANKING: Environmental Engineering for the Tillman Ridge Landfill Phase I and II

FIRM	A. COMPLIANCE WITH RFO INSTRUCTIONS 0 TO 5	B. EXPERIENCE WITH SIMILAR PROJECTS 0 TO 25	C. STAFF QUALIFICATIONS AND FIRM BACKGROUND 0 TO 20	D. PROJECT APPROACH 0 TO 25	E. QUALITY CONTROL 0 TO 10.	F. SCHEDULE AND AVAILABILITY 0 TO 10	G. REFERENCES 0 TO 5	TOTALS
Aerostar Environmental Services, Inc.	5	18	15	18	7	8	5	76 71 ✓
Jones Edmunds	5	17	15	17	8	8	5	75 70 ✓
Nelson Engineering	5	20	15	20	8	8	5	81 76 ✓
SCS Engineers	5	17	15	17	7	8	5	74 69 ✓
Water & Air Research, Inc.	5	17	15	17	7	8	5	74 69 ✓

*To avoid duplication, the Solid Waste Manager or Designee will contact and rank references.

SIGNATURE OF RATER: *Alce Salgado* PRINT NAME: Alce Salgado DATE: 12-21-11

EVALUATION SHEET
RANKING OF PROFESSIONALS

CONTINUING CONTRACT – Environmental Engineering Services for the Tillman Ridge Landfill Phase I and II

ST. JOHNS COUNTY, FLORIDA

DATE: _____
PROJECT: RFQ: 12-06

*Done
1/5/12*

CRITERIA FOR RANKING: Environmental Engineering for the Tillman Ridge Landfill Phase I and II

FIRM	A. COMPLIANCE WITH RFQ INSTRUCTIONS 0 TO 5	B. EXPERIENCE WITH SIMILAR PROJECTS 0 TO 25	C. STAFF QUALIFICATIONS AND FIRM BACKGROUND 0 TO 20	D. PROJECT APPROACH 0 TO 25	E. QUALITY CONTROL 0 TO 10	F. SCHEDULE AND AVAILABILITY 0 TO 10	*G. REFERENCES 0 TO 5	TOTALS
Aerostar Environmental Services, Inc.	5	22	18	22	10	9		86 ✓
Jones Edmunds	5	23	18	22	10	9		87 ✓
Nelson Engineering	5	23	17	20	10	7		82 ✓
SCS Engineers	5	22	18	21	10	8		84 ✓
Water & Air Research, Inc.	5	22	19	24	10	9		89 ✓

*To avoid duplication, the Solid Waste Manager or Designee will contact and rank references.

SIGNATURE OF RATER: *Doacus Tabor* PRINT NAME: Doacus Tabor DATE: 1/4/12

EVALUATION SHEET
RANKING OF PROFESSIONALS

CONTINUING CONTRACT – Environmental Engineering Services for the Tillman Ridge Landfill Phase I and II

ST. JOHNS COUNTY, FLORIDA

DATE: _____
PROJECT: RFQ: 12-06

CRITERIA FOR RANKING: Environmental Engineering for the Tillman Ridge Landfill Phase I and II

FIRM	A. COMPLIANCE WITH RFQ INSTRUCTIONS 0 TO 5	B. EXPERIENCE WITH SIMILAR PROJECTS 0 TO 25	C. STAFF QUALIFICATIONS AND FIRM BACKGROUND 0 TO 20	D. PROJECT APPROACH 0 TO 25	E. QUALITY CONTROL 0 TO 10	F. SCHEDULE AND AVAILABILITY 0 TO 10	G. REFERENCES 0 TO 5	TOTALS
Aerostar Environmental Services, Inc.	5	22	18	23	9	9	5	91 ✓
Jones Edmunds	5	23	19	24	9	8	5	93 ✓
Nelson Engineering	5	24	18	21	9	8	5	90 ✓
SCS Engineers	5	21	18	21	8	6	5	84 ✓
Water & Air Research, Inc.	5	20	18	21	9	8	4	85 ✓

*To avoid duplication, the Solid Waste Manager or Designee will contact and rank references.

SIGNATURE OF RATER:  PRINT NAME: James Overton DATE: 1/4/12

EVALUATION SHEET
RANKING OF PROFESSIONALS

CONTINUING CONTRACT – Environmental Engineering Services for the Tillman Ridge Landfill Phase I and II

Handwritten signature and date: P. Gibson 1/5/12

ST. JOHNS COUNTY, FLORIDA

DATE: PROJECT: RFQ: 12-06

CRITERIA FOR RANKING: Environmental Engineering for the Tillman Ridge Landfill Phase I and II

FIRM	A. COMPLIANCE WITH RFQ INSTRUCTIONS 0 TO 5	B. EXPERIENCE WITH SIMILAR PROJECTS 0 TO 25	C. STAFF QUALIFICATIONS AND FIRM BACKGROUND 0 TO 20	D. PROJECT APPROACH 0 TO 25	E. QUALITY CONTROL 0 TO 10	F. SCHEDULE AND AVAILABILITY 0 TO 10	G. REFERENCES 0 TO 5	TOTALS
Aerostar Environmental Services, Inc.	5	20	18	20	9	10	-	82 ✓
Jones Edmunds	5	22	18	25	9	10	-	89 ✓
Nelson Engineering	5	25	17	25	8	10	-	90 ✓
SCS Engineers	5	19	16	18	7	10	-	75 ✓
Water & Air Research, Inc.	5	18	16	20	8	10	-	77 ✓

*To avoid duplication, the Solid Waste Manager or Designee will contact and rank references.

SIGNATURE OF RATER:

Handwritten signature: P. Gibson

PRINT NAME:

P. GIBSON

DATE:

1-5-12



**ST. JOHNS COUNTY
PURCHASING DEPARTMENT**
2446 Dobbs Road
St. Augustine, Florida 32086

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

TO: Wendy Manucy, Solid Waste Manager
FROM: Bridget Mein, Contract Specialist
SUBJECT: RFQ 12-06 Environmental Engineering Services for the Tillman Ridge Landfill
DATE: January 5, 2012

Attached please find a copy of the RFQ Evaluation Summary Sheet for your file as recorded and verified at the Evaluation Committee Meeting.

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.

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

Dept. Approval Wendy Manucy
Date 1/10/12
Budget Amount \$129,750⁰⁰
Account Funding Title Contractual Services
Funding Charge Code 4399.53120 + 4401.53120
Award to Nelson Engineering
Award Amount _____

REQUEST FOR QUALIFICATIONS

RFQ #12-06

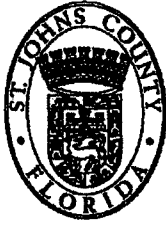
FOR

Continuing Contract for
Environmental Engineering Services for the
Tillman Ridge Landfill Phase I and II



**St. Johns County
Board of County Commissioners
St. Johns County Purchasing Department
2446 Dobbs Road
Saint Augustine, Florida 32086**

Due Date/Time for Receipt of Proposals: November 17, 2011 @ 4:00 p.m.



RFQ #12-06

**ST. JOHNS COUNTY
REQUEST FOR QUALIFICATIONS**

**ENVIRONMENTAL ENGINEERING SERVICES FOR THE TILLMAN RIDGE
LANDFILL PHASE I AND II**

In accordance with the provisions of Subsection 287.055, Florida Statutes and St. Johns County Purchasing Procedures, notice is hereby given that St. Johns County, a political subdivision of the State of Florida, will accept letters of interest and proposals **until 4:00 P.M. on November 17, 2011**, at the St. Johns County Purchasing Department, 2446 Dobbs Rd., St. Augustine, Florida 32086 for the following:

**ENVIRONMENTAL ENGINEERING SERVICES FOR THE TILLMAN RIDGE LANDFILL PHASE I
AND II**

Requests for Qualification packages may be obtained from Bridget Mein, St. Johns County Purchasing Department at the address listed above, via email request to bmein@sjcfl.us or by calling DemandStar.com at 800-711-1712 and requesting Document #12-06. Many packages can be downloaded from the Internet. Check the agency's site for download availability and any applicable fees. Vendors registered with DemandStar.com can download most packages at no cost from their web site – www.demandstar.com.

St. Johns County, Florida solicits responses from qualified and experienced firms to provide professional engineering and consulting services to the St. Johns County Solid Waste Division on a continuing service contract. Qualified firms shall have significant and demonstrated experience and qualifications in delivery of professional services in the field of environmental engineering for solid waste services. Any qualified firm desiring to provide the required services in any of the above listed areas should submit a letter of interest and the documents requested herein. All submittals of qualifications shall be for principal consultant and include all sub-consultants.

Qualified firms desiring to provide the required Environmental Engineering Services must submit **six (6)** proposal packages, clearly marked on the outside:

**"Sealed Proposal for RFQ 12-06
Environmental Engineering Services for the Closed Tillman Ridge Phase I and II Landfills"**

to the St. Johns County Purchasing Department, 2446 Dobbs Road, St. Augustine, Florida 32086, by or before **4:00 P.M. on November 17, 2011**.

SCOPE OF SERVICES - Anticipated required services include (but are not limited to): Perform ground water, surface water, waste water, and leachate sample collections. Prepare water quality monitoring reports, ground water contour maps, 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, and contamination assessments or other requirements.

(1) Semiannual Water Quality Monitoring: Obtain representative water levels and ground water samples using only low-flow purge and sample methods from forty-six (46) regular compliance monitoring wells, grab samples for four (4) surface water sites and one (1) leachate test well (combined

closed Tillman Ridge Phase I and Phase II landfills) and submit to St. Johns County subcontracted laboratory of choice for performance of all required analyses. Obtain water level measurements and representative ground water samples using low-flow purge and sample methods from an additional twenty-seven (27) assessment monitoring wells (combined closed Tillman Ridge Phase I and Phase II landfills). Obtain water level measurements from an additional thirteen (13) monitoring wells (closed Tillman Ridge Phase I landfill). All field data must be recorded for submittal on field sampling logs which shall also include field measurement of pH, temperature, conductivity, dissolved oxygen, and turbidity. All water quality sampling must be performed according to the requirements specified in DEP-SOP-001/01-Final and Rule 62-160 F.A.C. which shall include applicable number of quality assurance blank samples. Prepare and submit a compliance evaluation report subsequent to a review of all field and laboratory test results in relation to the requirements specified in Rule 62-701 F.A.C. and specific conditions promulgated in two (2) solid waste permits. The report shall be submitted to the Solid Waste Director. Prepare and submit a water quality monitoring report for each closed landfill incorporating all field data provided by sampling firm and laboratory analytical results provided by St. Johns County. Each report shall include ground water flow maps for three (3) aquifer zones, laboratory results detections and exceedences tables with respect to current state water quality standards, parameter monitoring forms and certification pages. Applicable portions of the reports shall be signed/sealed/dated by a P.E. or P.G. with five (5) years experience in preparing water quality monitoring data and ground water flow maps. One (1) original report for each landfill phase shall be prepared and submitted to the St. Johns County Solid Waste Department. One (1) additional original report and one (1) copy of the report shall be prepared and submitted to the Florida Department of Environmental Protection.

(2) Biennial Water Quality Reports: Prepare and submit a biennial water quality monitoring report consistent with Rule 62-701.510(9)(b) F.A.C. for each of the closed Tillman Ridge Phase I and Phase II landfills. Requires field work for total well depth measurements from approximately ninety (90) monitoring wells. Report preparation shall include a summary and interpretation of water quality data and water level measurements collected during the past 2 years (4 semiannual sampling events) and shall include hydrographs for forty-nine (49) monitoring wells, tabular & graphical data for approximately fifty (50) field and laboratory parameters for approximately sixty (60) water samples, trend analyses for all parameters for all samples, comparative and correlative analysis, ground water flow direction and rate evaluations for three (3) aquifer zones over two (2) years compared to benchmark data, summary of regional and site geology and hydrogeological conditions, discussions and recommendations. The biennial water quality monitoring report for each landfill shall be signed/sealed/dated by a P.E. or P.G. with five (5) years experience in preparing water quality monitoring data and ground water flow maps. One (1) original report for each closed landfill phase shall be prepared and submitted to the St. Johns County Solid Waste Department. One (1) additional original report and one (1) copy of the report shall be prepared and submitted to the Florida Department of Environmental Protection.

(3) 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 and Stratton Road Transfer Stations. Inspections shall be conducted by a Florida Registered Professional Engineer and shall 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. The inspections shall be conducted on an annual basis and include a review/summary of the inspection requirements specified in four (4) individual permits. Prepare and submit an annual storm water system inspection and certification report which shall describe each storm water system and its components, include applicable maps identifying each system and components, areas of repairs (if applicable), list permit requirements and provide an evaluation of each system and its components. The report shall include completed DEP inspection forms. The report shall be signed/sealed/dated by a P.E. with five (5) years experience in designing, inspecting, and certifying storm water systems. One (1) original report shall be prepared and submitted to the St. Johns County Solid Waste Department. One (1) additional original report and one (1) copy of the report shall be prepared and submitted to the Florida Department of Environmental Protection.

(4) 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 shall be performed on an annual basis. Prepare and submit a long-term care cost estimate report which shall describe and list the regulatory long-term care requirements including start dates and years remaining, include applicable maps for each landfill area cover in the estimates and adjustments, include tables summarizing past and present cost estimates and adjustments, include 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 report shall be signed/sealed/dated by a P.E. with five (5) years experience in performing financial assurance cost estimates, adjustment, and certifications for solid waste landfills in Florida. Eight (8) original reports shall be prepared and submitted 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.

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; however, the primary consultant shall be responsible for all of the work performed. The contract amount for services on any single project or task order will not exceed the limit set-forth by the current Florida Statute.

Generally, the method of compensation preferred by the County is on an hourly basis for services rendered, in accordance with an established fee schedule and actual hours. A "Fee Schedule" will be negotiated and agreed upon at the time of execution of each agreement and will be a part of each contract. All payments, fees, reimbursements, and costs will be based on the fee schedule established for the successful proposer(s). The Fee Schedule will designate the hourly rate/unit rates for each member with their name and position title specified. The fee schedule may not be deviated from without the prior written consent of the Purchasing Manager. When requested by the County, competitive proposals for a specific project work scope may be solicited for the successful firm(s). The proposals will detail the services required to complete the project; the total hours for each activity; the total cost for each activity; the total reimbursables; and all fees for these will be in accordance with the established fee schedule. The successful firm(s) will be paid no more frequently than on a monthly basis, upon the receipt of a valid invoice or statement.

Qualified firms must have a minimum of five (5) years experience performing water quality monitoring & reporting and engineering support for landfill operations including but not limited to permit modifications, financial assurance cost estimating and adjustments; landfill secondary use studies, storm water system inspections & certifications. Minimum qualifications are that firms must have a Florida Registered Professional Engineer (PE) and Florida Registered Professional Geologist (PG) as part of the firm's staff, have a Quality Manual which meets the requirements of DEP-SOP-001/01-Final and Rule 62-160 F.A.C., maintain general comprehensive liability and professional liability insurance in the amount of \$1,000,000. Documentation must be provided to demonstrate the PE and PG are on staff of the firm and are not sub-consultants.

PROPOSAL FORMAT: All proposals should follow the same format. To be accepted for evaluation, the proposal format must address all required components in the order given in this RFQ. The proposal will be limited to 40 sheets in Sections 1 through 6. Each sheet may be double sided. Neither the cover letter, section dividers, nor front and back cover will count towards the 40 sheet count. The font for the entire proposal shall be Times New Roman and no smaller than 10 point, except for document photocopies or documents not originally produced by the engineering firm. The aim of the required format is to simplify the proposal preparation and evaluation process and to ensure that all proposals receive the same orderly review.

All proposals must include the following components:

1. Introduction to the firm providing (a) company background information; (b) list of references:
2. Name, title, address, phone number and relationship to the projects; Names and qualifications of sub-consultants.
3. Recent related work experience including: (a) type of services performed (b) location and estimated construction costs of recent projects, (c) Permitting/ agency coordination experience.
4. Nature and extent of work currently performed by the firm in St. Johns County or anticipated within the next 12 – 24 months.
5. Ability to coordinate with County Government Agencies and Administration.
6. Capability to meet deadlines.
7. Current work load, by phase.
8. CAD Software available for use.

In addition to the above, firms shall submit:

- SF330 Architect-Engineer Qualifications OR
 - GSA Standard Form 254 (Architectural) questionnaire OR
 - GSA Standard Form 255 (Engineering) questionnaire.
- Copies of current Florida State Registration for Engineers of the proposed team.
- Proof of Liability Insurance and its limits.
- List all equipment including computer hardware and software available for use on assigned projects.

Cover Letter - Provide a one-or two-page cover letter. Include one original signed cover letter with the original proposal and a copy of the cover letter with each copy of the proposal. The cover letter should provide the following:

- A brief statement of the consultant's understanding of services to be provided under a continuing contract.
- The names, titles, phone and fax numbers, e-mail addresses, and street addresses of the person(s) in the consultant's organization who will be the client services manager and senior project manager(s) responsible for coordinating all projects.
- Highlights of the consultant's qualifications and ability to perform the project services.

Section 1: Experience with Similar Projects and St. Johns County – This section should showcase different projects similar in nature that have been successfully performed. Selected projects should be relevant in size and scope to the scope of services stated in this Request for Qualifications. The majority of projects included in this section should be in the State of Florida. Include a one or two-page project description that demonstrates capabilities in specific environmental engineering areas, experience with similar public solid waste, and/or local project experience within the past five years. Include the name of the organization, date of the project, consultant's original fee and final fee (after scope modifications), indicate fees associated with the owner's requested changes and the consultant's requested changes, consultant's opinion of cost, selected contractor's initial and final costs, and the name of the client's project manager to contact for a reference.

Section 2: Staff Qualifications and Project Team – Provide the following information about your engineering firm:

- The firm's name, website address, business address, phone number, and fax number
- Types of services and products offered
- Number of years in business; number of years working in Environmental Engineering, to include Solid Waste experience
- Total number of employees; number of employees working in the Environmental Engineering group
- The location of the office or offices that would provide the project services
- A statement of the firm's background and experience relative to the qualifications being sought in this RFQ.
- Nature and extent of private development work within the county for the past 5 years and projected

for the next two years; provide the percentage of private development work versus the firm's total environmental engineering services for each of the past 5 years. Discuss the amount of work performed by the office where the project manager is located.

- Nature and extent of public solid waste projects for the past 5 years; provide the percentage of public solid waste work versus the firm's total environmental engineering services for each of the past 5 years. Discuss the amount of work performed by the office where the project manager is located.

Introduce the designated senior management, project manager and the project team. Provide information about the staff's experience relative to the environmental engineering services listed above, highlighting the experience of the Professional Engineers and senior designers that will be working on the projects. On each team member's resume, include the name of city and state where they are located in the upper right corner. Include a project team organization chart.

For each key person that would be assigned to the projects, include a one- or two-page résumé that includes a summary of relevant professional qualifications, length of service with the firm, total years involved in environmental engineering and Solid Waste, relevant project experience, education, and professional registration.

Section 3: Project Approach - In this section, describe the respondent's expertise with the methods, hardware, and software necessary to perform the project scope and services described in this RFQ.

Section 4: Quality Control - Describe the respondent's approach to quality assurance/quality control (QA/QC) procedures. Describe the process by which a scope of services is developed including time and the office locations that are involved in the process.

Section 5: Schedule and Availability - Describe your projected resource availability for projects and the different office locations that will contribute to the project and their roles. If multiple offices work on the project, describe how the project is coordinated between the offices.

Section 6: References - At your discretion, include references from clients regarding projects relevant to the Solid Waste Department.

Section 7: Administrative Information - Please include the following:

- A. SF330 Architect-Engineer Qualifications OR
- B. If Item A is not available, please provide the GSA Standard Form 254 (Architectural) questionnaire OR
- C. If Item A is not available, please provide the GSA Standard Form 255 (Engineering) questionnaire.
- D. A copy of the firm's Certificate of Authorization as required by Florida Statutes Chapter 472.021.
- E. A copy of the current Department of Business and Professional Regulation License for each key person with a professional registration.
- F. Copies of current Florida State Registration for Engineers of the proposed team.
- G. Proof of Insurance and its limits as follows:
 1. The Consultant shall not commence work under this Agreement until he/she has obtained all insurance required under this paragraph and such insurance has been approved by the County.
 2. All insurance policies shall be issued by companies authorized to do business under the laws of the State of Florida. The Consultant shall furnish Certificates of Insurance to the County for review and approval prior to the execution of the contract. The Certificates shall provide for the following:
 - The County will be named as additional insured on both the General Liability and Auto Liability policies.
 - The County will be given thirty (30) days notice prior to cancellation or modification of any stipulated insurance.

It is the responsibility of the Consultant to insure that all subcontractors comply with all insurance requirements. These are minimum requirements which are subject to modification in response to high hazard operations.

3. The Consultant shall maintain during the term of this Contract, standard Professional Liability Insurance in the amount of \$1,000,000.00 per occurrence.
4. The Consultant shall maintain during the life of this Contract, Commercial General Liability Insurance in the amount of \$1,000,000 per occurrence, \$2,000,000 aggregate for bodily injury and property damage. This shall include coverage for:
 - Premises/operations
 - Products/complete operations
 - Contractual liability
 - Independent contractors
5. The Consultant shall maintain during the life of this Contract Comprehensive Automobile Liability Insurance in the minimum amount of \$1,000,000 per occurrence combined single limit for bodily injury and property damage. This shall include coverage for:
 - Owned autos
 - Hired autos
 - Non-owned autos
6. The Consultant shall maintain during the life of this Contract, Workman's Compensation Insurance to meet statutory limits as are required by the law for all of its employees (if three or more) per Florida Statute 440.02. This policy must include Employer Liability with a limit of \$100,000 for each accident, \$500,000 disease policy limit and \$100,000 disease each employee limit.

CONTINUING SERVICES CONTRACT TERM: It is the intent of St. Johns County, if successful with contract negotiations, to enter into a Contract for Professional Services for an initial three (3) year period with provisions for three (3) one (1) year renewal options. Any contract renewal will be upon mutual agreement by all parties and based upon the availability of funds and the need for services. Any contract(s) negotiated with any firm(s) responding to this Request for Qualifications will be non-exclusive. Any additional service options would require submission of a proposal and related fees for approval by St. Johns County **prior** to any work being implemented. These additional services will be added to the Standard Contract by Contract Amendment/Change Order.

EVALUATION OF PROPOSALS: St. Johns County intends to select consultants that demonstrate, in the County's opinion, the highest degree of compliance with the criteria listed below. With those consultants, St. Johns County will negotiate the technical aspects of the scope of work, deliverables, schedule, and fee on a project by project basis. Proposals will be evaluated in compliance with Florida Statute 287.055 (Consultants Competitive Negotiations Act), St. Johns County Purchasing Policy and the specific criteria as follows:

- A. Compliance with RFQ Instructions.** The proposals will be evaluated for general compliance with instructions issued in the RFQ. Noncompliance with significant instructions may be grounds for proposal disqualification.
- B. Experience with Similar Projects and St. Johns County.** The proposal will be evaluated on the basis of project experiences that include projects outlined in the Scope of Work and Services Required. Projects completed for the County and other city, county, state or federal agencies will be considered.
- C. Staff Qualifications and Firm Background.** The proposals will be evaluated on the basis of the consultant's demonstrated staff qualifications, which must include a Professional Engineer (P.E.) licensed in the State of Florida. Also, the proposal will be evaluated on the basis of the consultant's background, including the number of years in business completing project types listed in this RFQ.
- D. Project Approach.** The proposal will be evaluated on the consultant's approach, capabilities, and methods in performing the project services.
- E. Quality Control.** The proposal will be evaluated on the quality control process to be implemented to

- ensure that quality work products and services can be delivered in a timely manner.
- F. Schedule and Availability.** The projected resource availability will be evaluated in the selection of the consultants, although St. Johns County understands that the actual beginning and completion dates of projects are subject to the notice to proceed. A firm's close proximity to St. Johns County would be important to availability.
- G. References.** The proposal will be evaluated based on submittal of references.

Please refer to the attached Evaluation Sheet for Ranking of Professional Services.

CONTACTS: Questions related to this RFQ should be directed to Bridget Mein, Contract Specialist, St. Johns County Purchasing Department, 2446 Dobbs Road, St. Augustine, FL 32084, phone (904) 209-0162, fax (904) 209-0163, or email bmein@sjcfl.us. Inquiries related to the work scope, clarification or correction/s **must** be in writing to the contact name shown above via fax, email or mail and must be received no later than **4:00 P.M. on November 3, 2011**. All addendum(s) will be issued by the Purchasing Department no later than **4:00 P.M. November 10, 2011**. Do not contact any other staff member of St. Johns County, except the above, with regard to this RFQ. **Contact with any other County employee associated with these services during the RFQ process is prohibited. All inquiries will be routed by the Purchasing Department to the appropriate staff member for response.**

DUE DATE/LOCATION: The letters of interest and supplemental information will be received **until 4:00 p.m. on November 17, 2011**. Mail or deliver all proposals to: Bridget Mein, 2446 Dobbs Rd, St. Augustine FL 32086.

St. Johns County, Florida reserves the right to reject any or all proposals, waive minor formalities or award to/ negotiate with the firm whose proposal best serves the interest of St. Johns County.

Any proposer affected adversely by an intended decision, with respect to the award of any proposal, shall file with the Purchasing Department for St. Johns County, a written notice of intent to file a protest not later than seventy-two (72) hours (excluding Saturdays, Sundays, and legal holidays) after the posting of the bid tabulation. Protest procedures may be obtained from the Purchasing Department. Any protests must be filed prior to expiration of the time period and followed up in writing within five (5) calendar days.

"In the event that a Contract/Agreement is Attached to the RFP, 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 RFP, 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 Proposer. 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 Proposer. The County reserves the right to delete, add to, or modify one or more components of the selected Proposer's Proposal, in order to accommodate changed or evolving circumstances that the County may have encountered, since the issuance of the RFP. It is further understood, no Proposer (whether selected or not) may seek or claim any award and/or re-imburement from the County for any expenses, costs, and/or fees (including attorney's fees) borne by any Proposer, during the entire RFP process. Such expenses, costs, and/or fees (including attorney's fees) are the sole responsibility of the Proposer. By submitting a Proposal, a Proposer agrees to be bound by these terms and provisions of the RFP."

**Purchasing Department
St. Johns County Board of County Commissioners
Definitions of Evaluation Criteria for
Ranking of Consultants**

- A. Compliance with RFQ Instructions (0 to 5 points)** - The proposals will be evaluated for general compliance with instructions issued in the RFQ. Noncompliance with significant instructions may be grounds for proposal disqualification. *This will be graded on a 0 – 5 scale.*
- B. Experience with Similar Projects and St. Johns County (0 to 25 points)** - The proposal will be evaluated on the basis of project experiences that include projects outlined in the Scope of Work and Services required. Projects completed for the County and other city, county, state or federal agencies will be considered. If the evaluator is unfamiliar with the firm under consideration, or if the firm has no experience working with St. Johns County, the evaluator should give 13 points in this category. Thirteen is considered to be a neutral number. If the firm has experience in the County, and you have direct and first hand knowledge of that experience, then rank more or less than 13 depending on whether their performance was less than average or better than average. *This will be graded on a 0 – 25 scale.*
- C. Staff Qualifications and Firm Background (0 to 20 points)** - The proposals will be evaluated on the basis of the consultant's demonstrated staff qualifications, which must include a Professional Engineer licensed in the State of Florida. Also, the proposal will be evaluated on the basis of the consultant's background, including the number of years in business. *This will be graded on a 0 – 20 scale.*
- D. Project Approach (0 to 25 points)** - The proposal will be evaluated on the consultant's approach, capabilities, and methods in performing their project services. *This will be graded on a 0 – 25 scale.*
- E. Quality Control (0 to 10 points)** - The proposal will be evaluated on the quality control process to be implemented to ensure that quality work products and services can be delivered in a timely manner. *This will be graded on a 0 – 10 scale.*
- F. Schedule and Availability (0 to 10 points)** - The projected resource availability will be evaluated in the choice of the consultants, although St. Johns County understands that the actual beginning and completion dates of projects are subject to the notice to proceed. A firm's close proximity to St. Johns County would be important to availability. *This will be graded on a 0 – 10 scale.*
- G. References (0 to 5 points)** - To avoid duplication, the Solid Waste Manager, or designee, will contact and rank references. *This will be graded on a 0 – 5 scale.*



St. Johns County Board of County Commissioners

Purchasing Division

November 10, 2011

ADDENDUM #1

To: Prospective Bidders
From: St. Johns County Purchasing Department
Subject: RFQ #12-06 Environmental Engineering for the Tillman Ridge Landfill

This Addendum #1 is issued for clarification on the above titled project, and is hereby incorporated into the subject RFQ documents. Each proposer will ascertain before submitting a proposal that he/she has received all Addenda. **Please return the signed Addendum with your proposal.**

1. Who are the incumbents for this contract?

Nelson Engineering

2. How much money was each of the incumbents awarded during the previous contract term?

Since 2003, the incumbent has performed approximately \$900,000 worth of projects.

3. How much money does St. Johns County have budgeted for the upcoming contract period?

\$129,750.00 budgeted for the current budget year. This could be subject to decrease or increase.

4. Is the same company used for both the engineering and monitoring components?

Yes.

5. On page 3 of the RFQ, it is mentioned: "[...] submit to St. Johns County subcontracted laboratory of choice for performance of all required analyses." Does this mean that the firms responding to this RFQ should not include a laboratory partner to perform the samples' analyses?

Yes

6. Will Columbia Analytical Lab be the County's subcontracted laboratory of choice?

Yes, currently, however it is subject to change.

7. How many references are requested?

Minimum three (3) references for projects completed in the past five (5) years, preferably five (5) references for projects completed in the past five (5) years.

8. How many projects are requested?

Unknown at this time.

9. Is there any need for air monitoring?

Not at this time, could be subject to change.

10. We reviewed the materials available for the sites and noticed that there is a Created Wetland in the vicinity of the landfills. Would any wetland assessment or monitoring be required/needed?

Not at this time, could be subject to change.

11. Can you tell me who will be on the selection committee?

The members of the Evaluation Committee have not yet been determined.

12. Since Part I of a SF330 which was requested in Section 7 would duplicate the data requested in sections 1-6, can you clarify that you only want a SF330 Part II in Section 7?

We would like the SF330 Part II in Section 7.

13. Under All proposals must include the following components on page 5 of the RFP. #4. Nature and extent of work currently performed by the firm in St. Johns County or anticipated within the next 12 – 24 months. Please clarify that you are looking for work performed "in" St. Johns County or work performed "for" St. Johns County.

Both.

14. On page 4: The proposal will be limited to 40 sheets in Sections 1 through 6. Each sheet may be double sided. Does this allow for 80 pages of text?

Yes.

The due date of November 17, 2011 @ 4:00 p.m. remains the same.

Sincerely,

Bridget Mein
Contract Specialist

Acknowledgment

Signature and Date

Printed Name/Title

Printed Company Name

End of Addendum #1

**Purchasing Department
St. Johns County Board of County Commissioners
Definitions of Evaluation Criteria for
Ranking of Consultants**

- A. Compliance with RFQ Instructions (0 to 5 points)** - The proposals will be evaluated for general compliance with instructions issued in the RFQ. Noncompliance with significant instructions may be grounds for proposal disqualification. *This will be graded on a 0 – 5 scale.*
- B. Experience with Similar Projects and St. Johns County (0 to 25 points)** - The proposal will be evaluated on the basis of project experiences that include projects outlined in the Scope of Work and Services required. Projects completed for the County and other city, county, state or federal agencies will be considered. If the evaluator is unfamiliar with the firm under consideration, or if the firm has no experience working with St. Johns County, the evaluator should give 13 points in this category. Thirteen is considered to be a neutral number. If the firm has experience in the County, and you have direct and first hand knowledge of that experience, then rank more or less than 13 depending on whether their performance was less than average or better than average. *This will be graded on a 0 – 25 scale.*
- C. Staff Qualifications and Firm Background (0 to 20 points)** - The proposals will be evaluated on the basis of the consultant's demonstrated staff qualifications, which must include a Professional Engineer licensed in the State of Florida. Also, the proposal will be evaluated on the basis of the consultant's background, including the number of years in business. *This will be graded on a 0 – 20 scale.*
- D. Project Approach (0 to 25 points)** - The proposal will be evaluated on the consultant's approach, capabilities, and methods in performing their project services. *This will be graded on a 0 – 25 scale.*
- E. Quality Control (0 to 10 points)** - The proposal will be evaluated on the quality control process to be implemented to ensure that quality work products and services can be delivered in a timely manner. *This will be graded on a 0 – 10 scale.*
- F. Schedule and Availability (0 to 10 points)** - The projected resource availability will be evaluated in the choice of the consultants, although St. Johns County understands that the actual beginning and completion dates of projects are subject to the notice to proceed. A firm's close proximity to St. Johns County would be important to availability. *This will be graded on a 0 – 10 scale.*
- G. References (0 to 5 points)** - To avoid duplication, the Solid Waste Manager, or designee, will contact and rank references. *This will be graded on a 0 – 5 scale.*

**EVALUATION SHEET
RANKING OF PROFESSIONALS**

CONTINUING CONTRACT – Environmental Engineering Services for the Tillman Ridge Landfill Phase I and II

ST. JOHNS COUNTY, FLORIDA

DATE: PROJECT: RFQ: 12-06

CRITERIA FOR RANKING: Environmental Engineering for the Tillman Ridge Landfill Phase I and II

FIRM	A. COMPLIANCE WITH RFQ INSTRUCTIONS 0 TO 5	B. EXPERIENCE WITH SIMILAR PROJECTS 0 TO 25	C. STAFF QUALIFICATIONS AND FIRM BACKGROUND 0 TO 20	D. PROJECT APPROACH 0 TO 25	E. QUALITY CONTROL 0 TO 10	F. SCHEDULE AND AVAILABILITY 0 TO 10	*G. REFERENCES 0 TO 5	TOTALS
Aerostar Environmental Services, Inc.								
Jones Edmunds								
Nelson Engineering								
SCS Engineers								
Water & Air Research, Inc.								

*To avoid duplication, the Solid Waste Manager or Designee will contact and rank references.

SIGNATURE OF RATER: _____ PRINT NAME: _____ DATE: _____

Qualifications for Environmental Engineering Services for the Tillman Ridge Landfill Phases I and II

Submitted by:



**Nelson
Engineering Co.**

Nelson Engineering Co.
5335 North Courtenay Parkway
Merritt Island, FL 32953

Blain L. Nelson, P.E.
President
(321)449-1128
(321)449-1195 (fax)

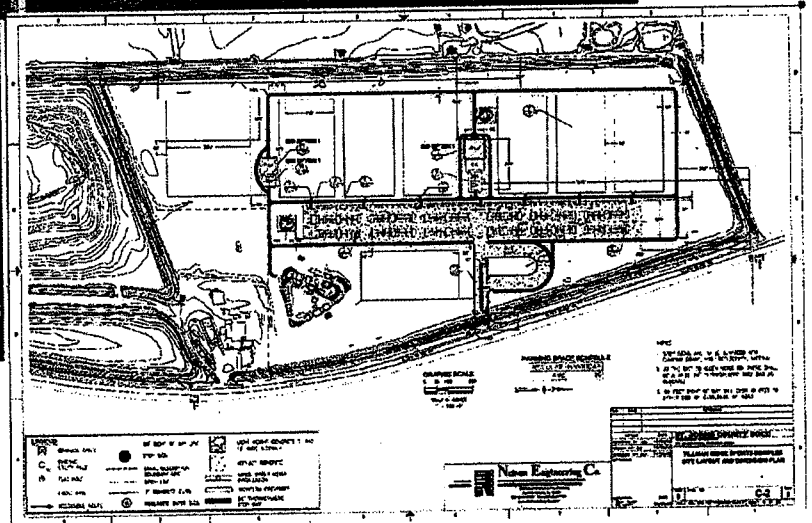
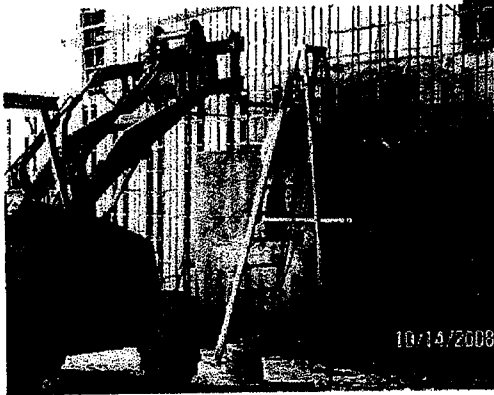
Due date: November 17, 2011

**In Response to:
RFQ #12-06**

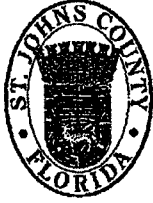
St. Johns County Board of County Commissioners



**Submitted to:
St. Johns County
Purchasing Department
2446 Dobbs Rd.
St. Augustine, FL 32086**



This qualifications package includes data that shall not be disclosed outside the County Government and shall not be duplicated, used, or disclosed-in whole or in part-for any purpose other than to evaluate this submittal. If, however, a contract is awarded to this offeror as a result of-or in connection with-the submission of this data, the County Government shall have the right to duplicate, use, or disclose the data to the extent provided in the resulting contract. This restriction does not limit the County Government's right to use information contained in this data if it is obtained from another source without restriction. The data subject to this restriction are all sheets contained in this submittal.

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

Purchasing Division

November 10, 2011**ADDENDUM #1**

To: Prospective Bidders
From: St. Johns County Purchasing Department
Subject: RFQ #12-06 Environmental Engineering for the Tillman Ridge Landfill

This Addendum #1 is issued for clarification on the above titled project, and is hereby incorporated into the subject RFQ documents. Each proposer will ascertain before submitting a proposal that he/she has received all Addenda. **Please return the signed Addendum with your proposal.**

1. Who are the incumbents for this contract?

Nelson Engineering

2. How much money was each of the incumbents awarded during the previous contract term?

Since 2003, the incumbent has performed approximately \$900,000 worth of projects.

3. How much money does St. Johns County have budgeted for the upcoming contract period?

\$129,750.00 budgeted for the current budget year. This could be subject to decrease or increase.

4. Is the same company used for both the engineering and monitoring components?

Yes.

5. On page 3 of the RFQ, it is mentioned: "[...] submit to St. Johns County subcontracted laboratory of choice for performance of all required analyses." Does this mean that the firms responding to this RFQ should not include a laboratory partner to perform the samples' analyses?

Yes

6. Will Columbia Analytical Lab be the County's subcontracted laboratory of choice?

Yes, currently, however it is subject to change.

7. How many references are requested?

Minimum three (3) references for projects completed in the past five (5) years, preferably five (5) references for projects completed in the past five (5) years.

8. How many projects are requested?

Unknown at this time.

9. Is there any need for air monitoring?

Not at this time, could be subject to change.

10. We reviewed the materials available for the sites and noticed that there is a Created Wetland in the vicinity of the landfills. Would any wetland assessment or monitoring be required/needed?

Not at this time, could be subject to change.

11. Can you tell me who will be on the selection committee?

The members of the Evaluation Committee have not yet been determined.

12. Since Part I of a SF330 which was requested in Section 7 would duplicate the data requested in sections 1-6, can you clarify that you only want a SF330 Part II in Section 7?

We would like the SF330 Part II in Section 7.

13. Under All proposals must include the following components on page 5 of the RFP. #4. Nature and extent of work currently performed by the firm in St. Johns County or anticipated within the next 12 – 24 months. Please clarify that you are looking for work performed "in" St. Johns County or work performed "for" St. Johns County.

Both.

14. On page 4: The proposal will be limited to 40 sheets in Sections 1 through 6. Each sheet may be double sided. Does this allow for 80 pages of text?

Yes.

The due date of November 17, 2011 @ 4:00 p.m. remains the same.

Sincerely,

Bridget Mein
Contract Specialist

Acknowledgment

 11/17/2011
Signature and Date

BLAIN NELSON, PRESIDENT
Printed Name/Title

NELSON ENGINEERING CO.
Printed Company Name



November 17, 2011

St. Johns County
Board of County Commissioners
St. Johns County Purchasing Department
2446 Dobbs Road
St. Augustine, FL 32086

Attn: Ms. Bridget Mein

SUBJECT: Statement of Qualifications for Environmental Engineering Services for the Tillman Ridge Landfill Phase I and II – RFQ #12-06

Thank you for the opportunity to submit our statement of qualifications for the subject RFQ.

Nelson Engineering Co. is the incumbent on this work and has been providing the County superior service over the past 10 years. In that time we have provided a complete array of engineering services for the Solid Waste Department. We have not increased our price for all four (4) main elements of the scope of services over the service period – providing the County cost effective environmental engineering services. We have proven ourselves and look forward to continuing to support the County in the future.

Nelson Engineering Co. is a full service engineering company that has been in business for over 18 years. We have a staff of 47 professionals that include civil, environmental, structural, electrical, mechanical, chemical and aerospace engineers as well as geologists and hydrogeologists. We have **registered professional engineers** (PE) in all disciplines and a **professional geologist** (PG) that runs our geological and groundwater practice. We are able to complete complex designs and engineering investigations that the County may need – such as the complete project design for converting the Tillman Phase I Landfill into a soccer park and correcting the leachate problems at the Stratton Road Transfer Station that was designed by others. Our entire staff is located at our home office that is approximately 90 minutes car-travel time from the County's Solid Waste office. The breadth and depth of our local staff allows us to be extremely responsive to the County's needs without the need for subconsultants which can increase costs and decrease responsiveness. We are financially stable and have **CURRENT** superior past performance client references that include the National Aeronautics and Space Administration (NASA), the US State Department, the National Institutes of Standards and Technology (NIST), and many other federal, state, county and commercial customers.

The primary scope of service includes these four (4) elements: 1) semi-annual water quality monitoring, 2) biennial water quality reports, 3) stormwater system inspections and certifications, and 4) financial assurance cost estimating. The latter two are fairly straightforward. However the semi-annual water quality monitoring and biennial reporting can be complex in their execution. Care must be taken to ensure the County is doing all it can to minimize exceedences that can become costly contamination assessments and remedial actions directed by the Florida Department of Environmental Protection (FDEP). We are very familiar with the current Tillman landfill groundwater monitoring network, ground water flow and

current problems that need proper attention. These include the chlorinated solvent issues on the north end of Tillman Phase I, the Phase II arsenic concerns that FDEP is currently pursuing and the recent cyanide leachate problem that St. Johns County Utilities wants further investigated and remediated under Consent Order.

Throughout the past many years we have been able to assist the County in maintaining compliance, as best as possible, based on the real world conditions at the sites. We have been the most cost effective solution and have helped the County avoid significant financial impacts that often occur when groundwater monitoring and reporting is not fully integrated with a complete understanding of the sites and their conditions.

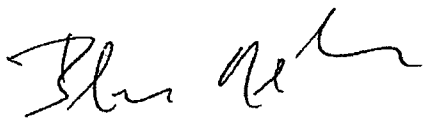
As requested in the RFQ the following data is provided:

Primary Client Services Manager and Senior Project Manager:

Mark Novokowsky, Professional Geologist (PG)
Vice President of Solid Waste Operations
5335 North Courtenay Parkway
Merritt Island, FL 32953
(321)449-1128 (phone)
(321)449-1195 (fax)
m.novokowsky@NelsonEngrCo.com

Secondary Client Services Manager and Project Manager:

Blain Nelson, Professional Engineer (PE)
President
5335 North Courtenay Parkway
Merritt Island, FL 32953
(321)449-1128 (phone)
(321)449-1195 (fax)
b.nelson@NelsonEngrCo.com



Blain Nelson, P.E.
President



Company Introduction

Nelson Engineering Co. (NE) is a full service engineering firm located in Merritt Island, Florida. NE was founded in 1993 by former US Navy, Civil Engineer Corps Officer, Mr. Blain Nelson. The company currently employs 47 professionals providing engineering services in Florida and other states as well as internationally. Our staff includes engineers in the civil, mechanical, electrical, structural, aerospace, chemical, industrial, environmental, and fire protection disciplines. We have seven (7) licensed professional engineers on staff covering the civil, mechanical, electrical, structural, environmental and chemical disciplines. We also have one Professional Geologist on staff.

We are the incumbent contractor who has been performing the solid waste engineering work for St. Johns County for approximately the past 10 years. We have provided cost effective services to the County over the years and we are ready to continue to do so in the future.

We have significant past performance in working with other St. Johns County departments as well as representing the County to regulatory agencies such as the Florida Department of Environmental Protection (FDEP). We also have significant experience in working with the County on secondary use applications for its landfill areas. We performed the engineering and construction management for the BMX park at Tillman Phase I. We also performed the entire site design and permitting to convert Tillman Phase I to a Soccer Complex with nine (9) lighted and irrigated fields, parking and pavilions. The project was a Parks Department project that was permitted by both St. Johns County Development Review and the FDEP for both solid waste and environmental resource permitting (stormwater). When the project was put on hold due to county financing, Nelson Engineering Co. prepared and com-

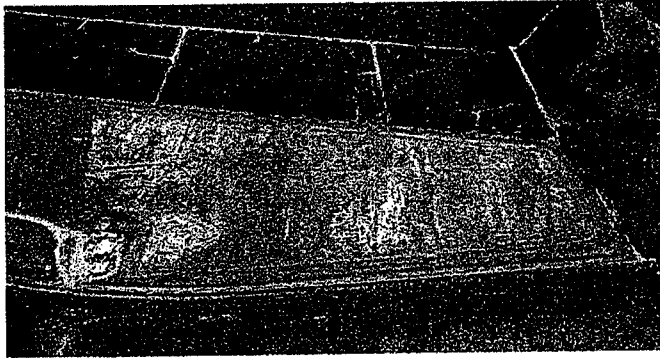
Nelson Engineering Co. **Skilled & Ready Team - Proven Experience**

- ✓ Incumbent engineering consultant to St. Johns County – we understand the County's needs
- ✓ Cost effective engineering services
- ✓ Responsive performance to St. Johns County needs
- ✓ Full service engineering firm that does not need subconsultants for complex design engineering projects
- ✓ 18 years of solid waste engineering and environmental consulting in addition to St. Johns County
- ✓ 47 local Florida based professionals on staff provide significant depth and breadth of engineering expertise for the County
- ✓ Experience with working with County and other regulatory agencies – incl St. Johns County Utilities, Parks, Construction, Development Review, Public Works and Road and Bridge
- ✓ Significant secondary use engineering experience with the County – incl BMX track and conversion of Tillman Ridge Phase I to Soccer Complex
- ✓ Proper representation of County's interests to Florida Department of Environmental Protection



**The right engineering consultant
for St. Johns County's Future**





pleted an engineering feasibility study to possibly place a solar generating facility at Tillman Phase I. The study was approximately 25 pages and included all engineering calculations, a preliminary design and estimates of the landfill's power generation ability. This is just one example of our goal to work with the County to provide the best solutions for the County's solid waste operations.

In addition to working with St. Johns County we perform solid waste engineering services for many other clients around the state. St. Johns County is regulated by the FDEP Northeast District in Jacksonville. We have good working relationships with their regulatory staff and an excellent technical reputation for our work with St. Johns as well as for other clients. We also represent clients in three (3) other FDEP districts – Central in Orlando, Southwest in Tampa and the Northwest in Pensacola. All districts view our technical work in high regard. We've been successful in obtaining the best results for our clients when representing them to FDEP so that it has saved them significant monies from a variety of ways – including reducing third party financial assurance requirements and helping clients avoid corrective actions.

We have been a great partner with the County in the past and look forward to providing continued support in the future.





1.0 Experience with Similar Projects and St. Johns County

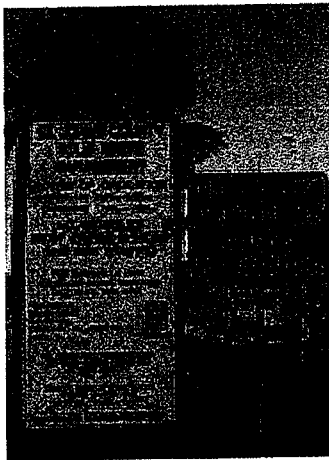
Section 1.1 below provides a description of our significant past work with St. Johns County. Sections 1.2 through 1.5 provides descriptions of similar work we have performed for other clients and other examples of Nelson Engineering Co.'s breadth and depth.

1.1 Experience with St. Johns County

As the incumbent providing environmental engineering services for St. Johns County, Nelson Engineering Co. has successfully performed the exact scope of services required by RFQ #12-06 as summarized below:

St. Johns County - Solid Waste Management – St. Augustine, FL Closed Tillman Ridge Phase I and II Landfills

- Semiannual water quality monitoring
- Biennial water quality reporting
- Storm water system inspections and certifications
- Financial assurance cost estimating, adjustments, & certifications



Currently, and for the past 10 years, Nelson Engineering Co. has diligently and cost-effectively provided the required surface water, ground water, waste water and leachate quality monitoring for the closed Tillman Ridge Phase I and II Landfills and Tillman Ridge and Stratton solid waste transfer stations. Our monitoring services have consistently met and/or exceeded all applicable permit conditions which have provided St. Johns County with an excellent reputation in the eyes of the Florida Department of Environmental Protection.

In addition to the scope of work, we were contracted to provide ancillary services such as assessments of old County dumps, full cost accounting, corrective actions for ground water contamination, transfer station structural refurbishment and leachate collection systems improvements, to mention a few.

We have also provided related environmental and engineering services for the following St. Johns County departments:

- Real Estate Department - Environmental site assessments for property acquisitions;



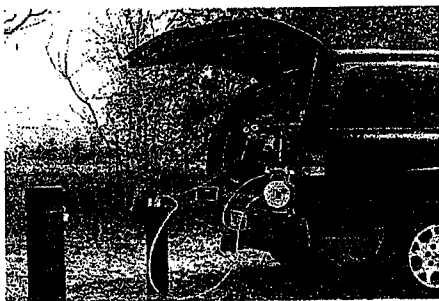
- Parks & Recreation Department - Design and Permitting for the Tillman Ridge Soccer Complex;
- Special Projects Department - Ravenswood Landfill Assessment, Stratton Road Transfer Station;
- Road and Bridge Department - BMX race track and landfill scale retrofit.

1.1.1 Semiannual Water Quality Monitoring

Tillman Ridge Phase I Landfill



The Tillman Ridge Phase I landfill has a total of 136 acres of disposal area filled with Class I municipal solid waste (regular household garbage). It was officially closed in 1994 although the northern 80 acres closed prior to 1985. Landfill regulations at the time of closure allowed the northern 80 acres of the Phase I landfill to be constructed without a bottom liner (typically constructed using 60-mil HDPE plastic) and closed with a soil cap (no top plastic HDPE liner). The southern 56 acres of the Phase I landfill was also allowed to be constructed without a bottom liner, but regulations in 1994 required a plastic liner be installed underneath its soil cap. It is no surprise that the unlined northern portion of the Phase I landfill allowed leachate (the result of rain water percolating downward through the waste) to enter the aquifer below and contaminate the ground water.



Regulations require Class I landfills to install extensive ground water monitoring systems which consist of a network of monitoring wells used for the collection and testing of ground water quality. The original ground water monitoring network at the Tillman Ridge Phase I Landfill consisted of thirteen (13) clusters of monitoring wells, each cluster containing one shallow (10 feet deep), one intermediate (55 feet deep), and one deep (85 foot deep) monitoring wells designed to monitor the aquifer from top to the bottom where an impermeable clay confining unit is located at 85 feet below land surface. The permit specified that ground water samples from all monitoring wells be collected and analyzed on a quarterly basis.

Quarterly monitoring occurred without question (by many consultants) over the years from the time the system was first installed in 1988 up until November 2000 when Nelson Engineering Co. identified a steep vertical





gradient in the aquifer which was demonstrated to bypass all the shallow monitoring wells in the system. Nelson Engineering Co. also demonstrated to the regulatory agencies that the horizontal rate of flow in the aquifer was much slower than originally calculated and even slower than the vertical rate. Based on our work, the permit was modified and approved to *eliminate* the use of all shallow monitoring wells (33.3% well reduction) and *reduce* the frequency of monitoring by 50% (from quarterly to the current semiannual requirement). As a result of our careful work, diligence and frugality, **Nelson Engineering Co. saved St. Johns County hundreds of thousands of dollars in monitoring costs.** This was accomplished in late 2000 *before* we became the official Engineer of Record for the landfills in 2003.

In 2004, Nelson Engineering Co., using statistical data, was also able to reduce the number of surface water monitoring points and **saved the County thousands of more dollars through the reduction of surface water monitoring.**

In 2006, Nelson Engineering Co. identified an abnormal change in the ground water flow direction from the landfill onto a neighboring property not owned by the County. Our investigation revealed the cause to be the result of ground water pumping (withdrawal) at the St. Johns County Well Field located approximately 1.5 miles north of the landfill. Unfortunately, the pumping well field influence problem required the installation of additional monitoring wells used to track and map the off-site contamination. However, subsequent to the installation of a cost-effective ground water pump and treat system installed in 2008 (designed to capture and eliminate off-site ground water and prevent further migration), in 2011 we were

able to eliminate these additional monitoring wells. The joint and culminated effort between Nelson Engineering Co., the St. Johns County Solid Waste Management Department, and St. Johns County Administration, **saved St. Johns County hundreds of thousands of dollars in potential property damage and monitoring & cleanup costs.**

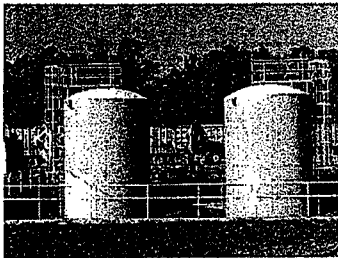
Tillman Ridge Phase II Landfill

The Tillman Ridge Phase II landfill has a total of





nearly 20 acres of disposal area filled with Class I municipal solid waste and officially closed in 2001. The Phase II landfill was required to be constructed with a liner at the bottom as well as the top. Even though the landfill was lined and capped, the ground water monitoring system has recently been detecting consistent ground water contamination caused by Arsenic and Ammonia. Although this problem and several other challenges lie ahead for the closed Phase II landfill, Nelson Engineering Co. is confident we can again diligently solve these problems in the same cost-effective manner we have demonstrated.



The semiannual water quality monitoring project has required sensitive and detailed coordination between St. Johns County Solid Waste Management, Administration, Utilities, Real Estate, Public Works, Surveying, Purchasing, and Facilities Maintenance as well as several regulatory agencies. The project also required the detailed coordination with the St. Johns County Utility Environmental Laboratory and several different laboratory vendors over the years subcontracted directly by the County including Envirolab, Advanced Laboratories, and Columbia Analytical. Nelson Engineering Co. has met and/or exceeded all permit deadlines (perfect record) associated with the semiannual monitoring requirements even during periods with the environmental "surprises" we have seen in the past. The project began in 2003 and is on-going with a semiannual total cost of \$14,500.

Nelson Engineering Co. has done more than just "successfully perform semiannual water quality monitoring" for St. Johns County. We have worked above and beyond to ensure our client is properly cared for, and will continue to do so, if we are selected to continue to represent St. Johns County. Nelson Engineering Co. has always appreciated the relationship and challenging work provided by St. Johns County over the years, so much so that **we have never raised our costs or rates since we first officially began working for the County in 2003.**

Organization Name	St. Johns County
Client Project Manager	Ms. Wendy Manucy (904) 827-6982
Date of Project	On-Going
Original and Final Fee (sampling event)	Original: \$14,500 Final: \$14,500 (per sampling event)



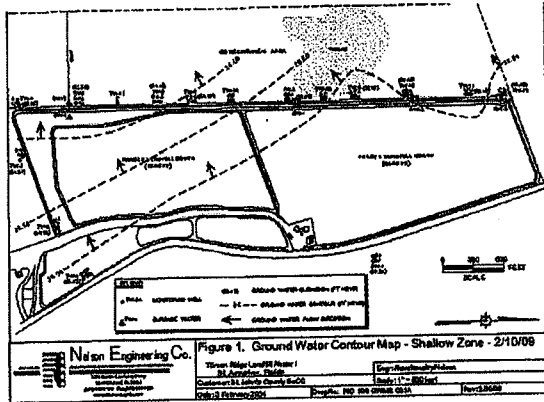


1.1.2 Biennial Water Quality Reports

To comply with permit requirements specified by the Florida Department of Environmental Protection, both the Tillman Ridge Phase I and II landfills must prepare and submit a biennial water quality monitoring report every two (2) years. The purpose of the biennial report is to summarize and interpretation of water quality data and water level measurements

collected during the past 2 years (4 semiannual monitoring events) to ascertain whether any data trends exist which may indicate contamination or other problems.

Nelson Engineering Co. has diligently performed this work in an efficient and timely manner, and in compliance with all permit requirements, schedules and deadlines beginning in 1999. The project required the following scope of work:



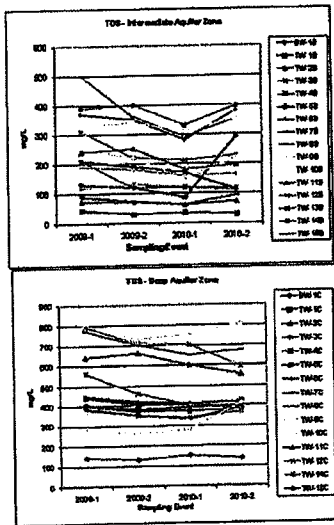
- determine total well depth measurements from approximately ninety (90) monitoring wells and hydrographs for forty-nine (49) monitoring wells;

- tabulate & graph data for approximately fifty (50) field and laboratory parameters for approximately sixty (60) water samples;
- perform trend analyses for all parameters for all samples including comparative and correlative analysis;

- determine ground water flow direction and rate evaluations for three (3) aquifer zones over two (2) years compared to benchmark data;

- summarize regional and site geology and hydrogeological conditions, discussions and recommendations;

- provide the biennial water quality monitoring report for each landfill, signed/sealed/dated by a P.E., with experience in preparing water quality monitoring data and ground water flow maps.



The reduction of monitoring wells and monitoring frequency we were responsible for as described in Section 1.1.1 also had a direct positive effect on reducing the scope of work required for the producing the biennial reports (less wells equal less work). Because of this reduction in work, it is estimated Nelson Engineering Co. saved St. Johns County tens of





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thousands of dollars in reporting costs (i.e. 30-50% reduction in monitoring translates to \$5,000 per year x 10 years = \$50,000 thus far). The biennial water quality monitoring project required coordination only with St. Johns County Solid Waste Management and Florida Department of Environmental Protection. Nelson Engineering Co. has met and/or exceeded all permit deadlines (perfect record) associated with the biennial water quality reporting requirements. The project is on-going with a biennial total cost of \$4,950. Nelson Engineering Co. has never raised our costs or rates since we first officially began working for the County in 2003.

Organization Name	St. Johns County
Client Project Manager	Ms. Wendy Manucy (904) 827-6982
Date of Project	On-Going
Original and Final Fee (biennial event)	Original: \$4,950 Final: \$4,950 (per biennial event)

1.1.3 Storm Water System Inspections & Certifications

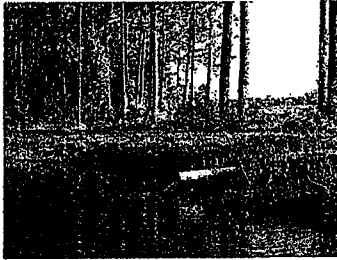
To comply with permit requirements specified by the Florida Department of Environmental Protection, the Tillman Ridge Phase I and II landfills and Stratton Road and Tillman Ridge Transfer Stations must have their storm water systems inspected every year to ensure each system is functioning properly in accordance with the original design.



Nelson Engineering Co. has diligently performed this work in an efficient and timely manner, and in compliance with all permit requirements, schedules and deadlines beginning in 2002. The project required the following scope of work:

- Perform an annual physical inspection of each of the components of the storm water 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 permit requirements (by Florida Registered Professional Engineer);
- Prepare and submit an annual storm water system inspection and certification report which describes each storm water system and its components, with applicable maps identifying each system and





components, areas of repairs (if applicable), listing permit requirements and providing an evaluation of each system and its components;

- The report is signed/sealed/dated by a P.E. with experience in designing, inspecting, and certifying storm water systems.

The storm water systems inspections and certifications project required coordination only with St. Johns County Solid Waste Management and FDEP. Nelson Engineering Co. has met and/or exceeded all permit deadlines (perfect record) associated with the storm water inspections and certification reporting requirements. The project began in 2002 with an annual total cost of \$3,500. The scope of work was increased in 2008 with the addition of the Stratton Road Transfer Station.

Organization Name St. Johns County

Client Project Manager Ms. Wendy Manucy (904) 827-6982

Date of Project On-Going

Original and Final Fee Original: \$3,500 Final: \$5,250 (w/ Stratton added) (annual)

1.1.4 Financial Assurance - Closure and Long-Term Care Cost Estimates

To comply with permit long-term care requirements specified by the Florida Department of Environmental Protection, both the closed Tillman Ridge Phase I and II landfills must have their respective financial assurance cost estimates reviewed and adjusted on an annual basis by the engineer of record.

Nelson Engineering Co. has diligently performed this work in an efficient and timely manner, and in compliance with all permit requirements, schedules and deadlines beginning in 2003. The project required the following scope of work:

- Review and determine the financial assurance cost estimates for long-term care for the closed Tillman Ridge Phase I and Phase II landfills on an annual basis;



- Prepare and submit a long-term care cost estimate report which shall describes and lists the regulatory long-term care requirements including start dates and years remaining, with applicable maps for each landfill area cover in the estimates and adjustments, and includes tables summarizing past and present cost estimates and adjustments. The results are compiled on FDEP forms detailing cost estimates and adjustments with respect to monitoring, control, maintenance, materials, landscaping, security, utilities, and administrative long-term care where/if applicable;

Table 2
 Summary of Long-Term Care Cost Estimation
 Closed Tillman Ridge Phase I and II Landfills
 St. Johns County

Description	Estimate @ 1997	Adjusted Estimate @ 2003	Adjusted Estimate @ 2009
Phase I Annual Long-Term Care (P1A)	\$1 07,000	\$713,000	\$519,270
Phase I Total Long-Term Care @ yrs remaining Final Present		\$1,000,000	\$677,070
Phase II Annual Long-Term Care (P2A)	\$117,100	\$202,241	\$227,208
Phase II Total Long-Term Care @ yrs remaining Final Present		\$6,134,811	\$1,000,000
Total Estimated Amount		\$7,134,811	\$1,677,070

- The report is signed/sealed/dated by a P.E. with experience in performing financial assurance cost estimates, adjustment, and certifications for solid waste landfills in Florida.



The financial assurance cost estimating, adjustments, and certifications project required coordination with St. Johns County Solid Waste Management, Administration, and Finance Departments as well as FDEP. Nelson Engineering Co. has met and/or exceeded all permit deadlines (perfect record) associated with the storm water inspections and certification reporting requirements. The project began in 2003 with an annual total cost of \$3,500.

Organization Name St. Johns County
 Client Project Manager Ms. Wendy Manucy (904) 827-6982
 Date of Project On-Going
 Original and Final Fee Original: \$3,500 Final: \$3,500 (annual)

1.1.5 Contamination Assessment and Remedial Action

The northern 80 acres of the Tillman Ridge Phase I landfill operated from 1976 and closed prior to 1985 when landfill regulations allowed these types of disposal areas to be constructed without landfill liners. Unfortunately, the unlined Phase I landfill allowed leachate (the result of rain water percolating downward through the waste) to enter the aquifer below and contaminate the ground water. The leachate contained residual amounts of gasoline, solvents, and refrigeration products which first appeared in the ground water during routine monitoring in 1986.

The ground water contamination lingered from 1986 to 1998 as it slowly



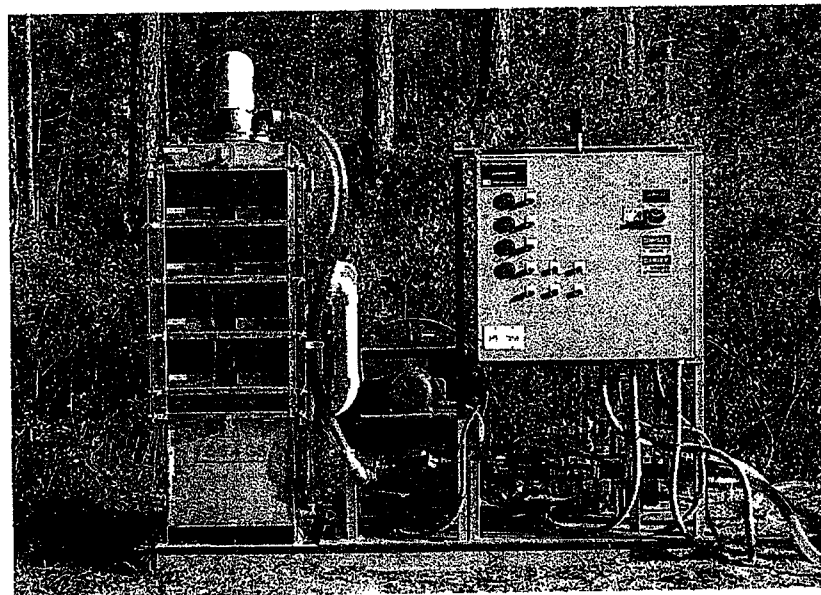


made its way to the western property boundary of the landfill at which time the Florida Department of Environmental Protection mandated the installation of assessment monitoring wells on an additional 96 acre adjacent property the County had previously acquired. To make things worse, the County's public supply well field located one and a half miles to the north was discovered by Nelson Engineering Co. to be pulling the contaminated ground water from the landfill onto the neighboring private property to the north.

St. Johns County was naturally very concerned and wished to avert the situation and possibly avoid a potential lawsuit from an adjacent private property owner. Nelson Engineering Co. immediately performed numerical ground water modeling which allowed us to recommend a cost-effective remedial strategy (install a site-specific pump and treat system) to hydraulically contain and eliminate at least the leading portions of the contaminated ground water.

The pump and treat system was sized and conceptually designed by Nelson Engineering Co. who located a manufacturer to build it to specifications and sell it directly to the County which realized thousands of dollars in savings.

The ground water treatment system was installed in June 2008 and was 100% effective in removing and eliminating the ground water contamina-



Tillman Ridge Phase I Pump and Treat System





tion previously pulled offsite toward the County's public supply well field. The ground water treatment system continues to operate and continues to be very effective in containing and eliminating the leading portion of the ground water emanating from the contaminated landfill.

This combined assessment and remediation project required sensitive, confidential, and detailed communication and coordination between St. Johns County Solid Waste Management, Administration, Utilities, Real Estate, Facilities Maintenance, Purchasing, and Public Works. The project also required expedited permitting and coordination with both the Solid Waste and Environmental Resource Sections of the Florida Department of Environmental Protection.

Due to the nature and urgency of the project, Nelson Engineering Co. proved to be properly and efficiently staffed, and demonstrated to St. Johns County that we could meet the most complex and morphing schedules even during unexpected adverse and critical situations.

The joint and culminated effort between Nelson Engineering Co., the St. Johns County Solid Waste Management Department and St. Johns County Administration, **saved St. Johns County hundreds of thousands of dollars in potential property damage and monitoring & cleanup costs.** The project began in 2006 and was completed in 2008 with a total cost of approximately \$100,000.

Nelson Engineering Co. has done more than just "successfully perform" routine projects for the St. Johns County closed Tillman Ridge landfills. We have repeatedly and consistently demonstrated our ability to meet all extra and ancillary engineering objectives demanded by the County, and will continue to do so, if we are selected to continue to represent St. Johns County Solid Waste Management.

Nelson Engineering Co. has always appreciated the relationship and challenging work provided by St. Johns County over the years, so much so that **we have never raised our costs or rates since we first officially began working for the County in 2003.**

Organization Name St. Johns County

Client Project Manager Ms. Wendy Manucy (904) 827-6982

Date of Project On-Going

Original and Final Fee Original: \$69,000 (est) Final: \$69,000 (est)





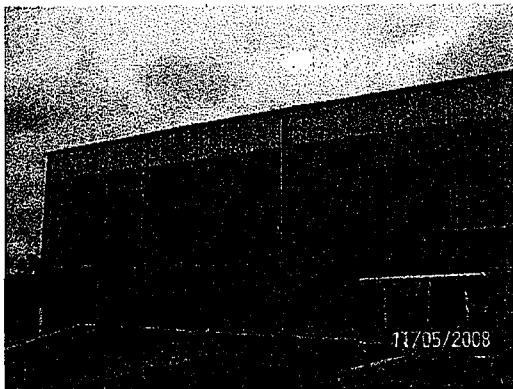
1.1.6 Tillman Ridge Transfer Station Repair – Design and Construction Title II Services

The Tillman Ridge Waste Processing Facility (TRWPF) resides within the Tillman Ridge Landfill, located at 3005 Allen Nease Road, St. Augustine, Florida.



The original 10,000 square foot facility, built in 1998, had a concrete foundation and floor, perimeter concrete walls to an approximate height of 10 feet, and metal panel walls from the top of the perimeter walls to a corrugated metal roof. The concrete walls were too low and allowed operating equipment (front end loaders) to extend above the 10' push wall and damage the metal wall panels. Nelson Engineering Co. was retained to perform design engineering services for a repair package that included the following scope:

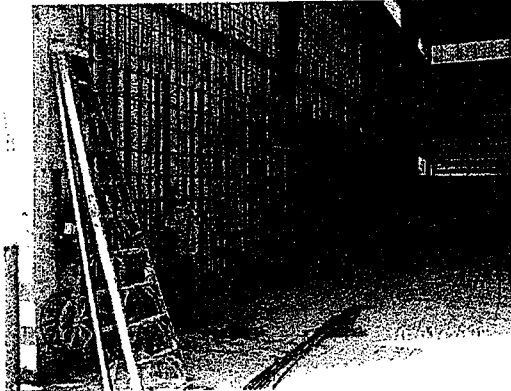
- constructing new 15' high concrete push wall which was reinforced with #5 rebar which shall be tied in to former 10' push wall;
- drilling holes in the concrete wall where new push wall was tied in with rebar and preparing existing push walls by high pressure water cleaning (or equivalent method) to ensure the walls were clean just before concrete was poured for the new push wall;
- installing new 1/2 steel armor plating to 8" high on the new concrete push wall



- removing damaged metal wall panels, as was indicated on the Contract Drawings;
- installing new metal wall panels to match existing panels;
- removing the existing tipping floor topping and associated welded wire mesh reinforcement mat down 4 inches to the concrete substrate;
- preparing the concrete substrate by high pressure water cleaning (or equivalent method) and profiling the concrete surface;
- installing a new tipping floor granite-aggregate concrete surface;



- properly setting the new leachate collection system grates over the tipping floor trenches,



- removing existing metal curb barrier and bolts from curb in tunnel and replacing with new curb barrier once concrete curb was replaced;
- removing and replacing concrete tunnel curbs; and
- sealing the joint between tipping floor and outdoor concrete pad with joint sealant.

The design was primarily civil and structural in nature and consisted of full engineering plans and specifications.

Once the construction contract was awarded, Nelson Engineering Co. performed Construction Title II Services as the engineer of record on the project.

The project required coordination with St. Johns County Solid Waste, Purchasing and the Construction Services Department. The total construction cost of the project was \$276,000.

Organization Name St. Johns County

Client Project Manager Ms. Wendy Manucy (904) 827-6982

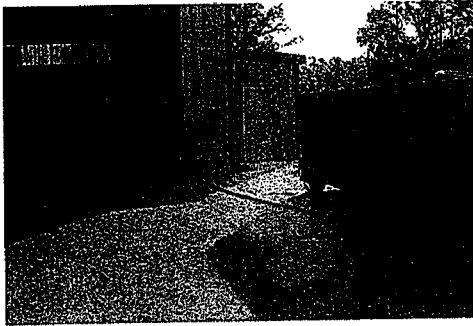
Date of Project January 2008 – January 2009

Original and Final Fee Orig: \$12,294 Final: \$12,294

1.1.7 Stratton Road Transfer Station Leachate System Redesign

The St. Johns County Stratton Road Transfer station was designed by others and constructed in the 2009 timeframe. From the outset the way the leachate collection system was designed, it allowed too much particulate and other materials into the leachate system so that the discharge was not able to meet pretreatment standards of the public owned treatment works (POTW) – St. Johns County Utilities. St. Johns County Solid Waste retained Nelson Engineering Co. to assist the Solid Waste Department navigate through and comply with the consent order. The entire project consisted of:





- revising the trench and grate system to allow less particulate material to enter the leachate system
- revising the metal screened filtration system to allow for incremental screening of material
- designing the installation of a passive grease interceptor and oil water separator
- preparing a permit modification package for the Transfer Station leachate system for the Florida Department of Environmental Protection (FDEP)

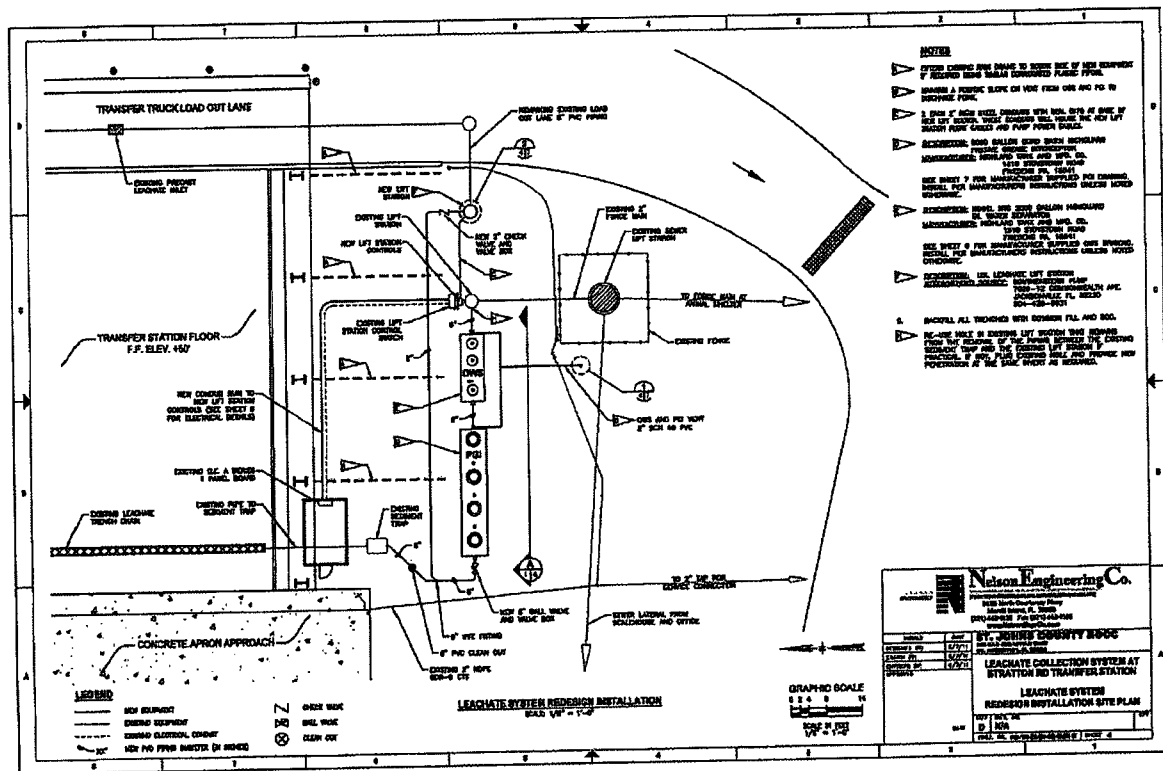
- ensuring the revised leachate collection and handling system was significantly more operable than the previous system which was labor intensive for the operations staff.

Organization Name St. Johns County

Client Project Manager Ms. Wendy Manucy (904) 827-6982

Date of Project June 2009 – October 2011

Original and Final Fee Orig: \$22,500 Final: \$22,500



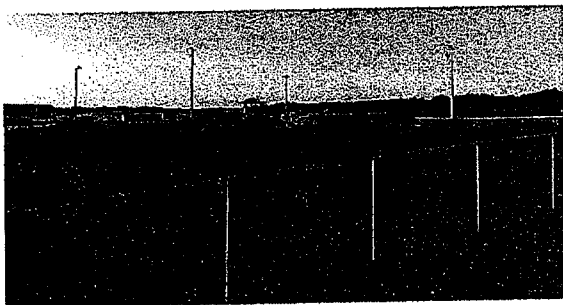


1.1.8 Tillman Ridge Landfill Secondary Use

As the solid waste engineering consultant for St. Johns County for the past 10 years, we have assisted the County in pursuing secondary use opportunities. Both Tillman Phase I and II were closed early before their initially permitted capacity and allowable height. As such they are relatively flat in topography as compared to many vertical landfills often seen in Florida. The relatively flat topography allows Tillman great potential to find secondary use opportunities as compared to many closed landfills. Over the past years we have pursued three (3) secondary use opportunities with the County. These include:

- Developing a portion of the Tillman Phase I site as a BMX Track
- Developing all of Tillman Phase I into a Soccer Complex
- Developing Tillman Phase I into a solar farm

The Bicycle Motocross (BMX) Track was the first major secondary use project for the closed Tillman Ridge Phase I North Landfill. The track was constructed by the St. Johns County Parks and Recreation Department between June 2004 and December 2007 on approximately 6 acres of the closed Landfill adjacently north of the Solid Waste Management Administrative Office. The BMX Track consists of a starting gate and circular dirt race course made of various jumps, with both banked and flat corners, and includes a finish line.



Nelson Engineering Co. assisted with the project by first obtaining secondary use approval from the Florida Department of Environmental Protection which maintains jurisdiction over closed landfills in Florida. Nelson Engineering Co. provided oversight during track construction on behalf of the Solid Waste Management Department to ensure compliance with the environmental and engineering controls associated with the closed landfill.

Nelson Engineering Co. successfully provided as-needed support and oversight for the following scope of work:

- Topographic analyses and recommendations, limited storm water study, fill materials selection and staging, electrical and lighting installation analyses and approvals, water (non-potable) for



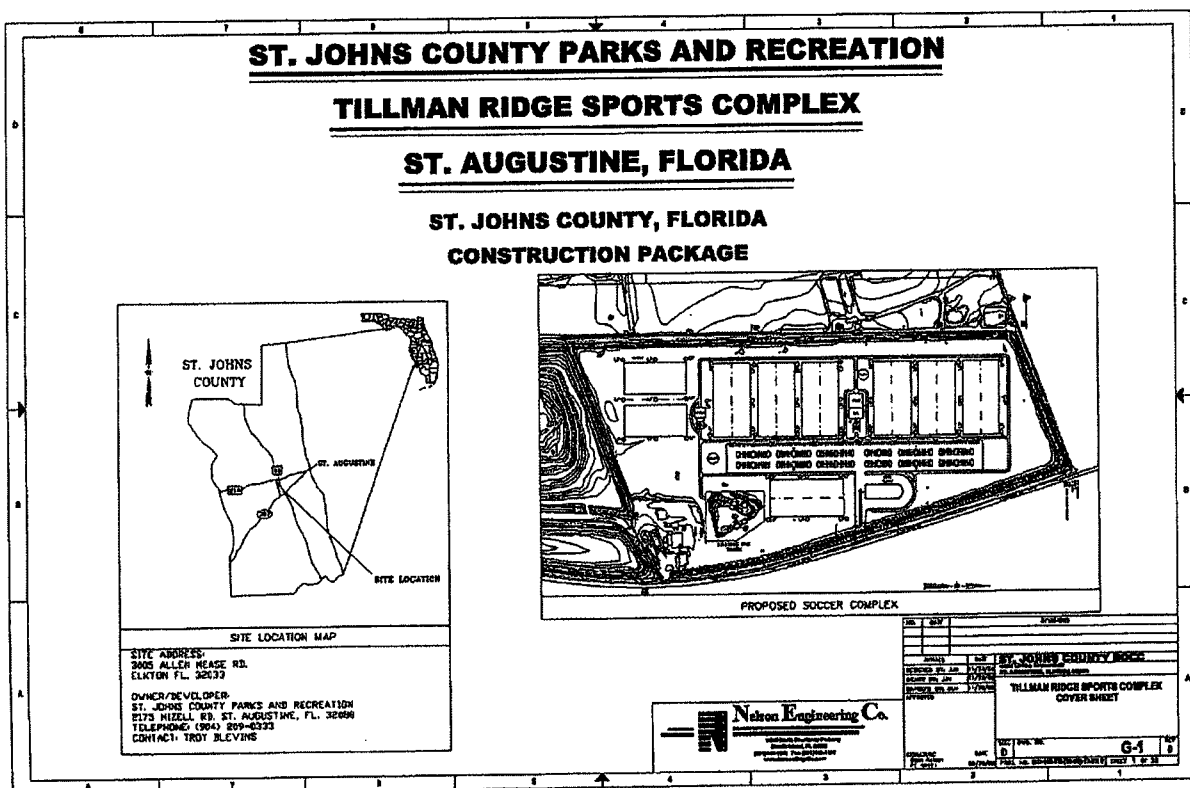


irrigation, parking study and recommendations, concessions and restrooms analyses and recommendations, site access/security analyses and recommendations.

The secondary use project for the BMX Track required coordination with St. Johns County Solid Waste Management, Parks and Recreation, Public Works, as well as the National Bicycle League, St. Augustine BMX, and the Florida Department of Environmental Protection. Nelson Engineering Co. met and/or exceeded all permit and construction deadlines associated with the project which began in 2004 and ended in 2007.

In the Spring of 2007 St. Johns County decided to consider developing the landfill into a soccer complex. Nelson Engineering Co. was initially retained to perform a feasibility study and preliminary site layout. The project had excellent feasibility and Nelson Engineering Co. was retained in August 2007 to perform the complete design and permitting of the conversion of Tillman Phase I into a Soccer Complex. The design included:

- A soccer complex of nine fields that were properly drained and sloped for maximized turf maintenance





- Paved parking for over 500 vehicles and busses
- Pavilions for park management, concessions and restrooms
- Electrical power distribution for the complex and night lighting for soccer fields
- Irrigation for the fields that was achieved by taking the effluent from the ground water treatment system (designed as installed by Nelson Engineering Co. as a separate project for St. Johns County - see section 1.1.5)
- Potable water and sanitary sewage connections for the improved areas and facilities
- A revised stormwater management system for the site that included new drainage structures, conveyances, and treatment areas
- A 30 sheet engineering design that included civil, structural, landscaping and electrical sheets with accompanying construction specifications.

Designing any secondary use project on a landfill is an engineering challenge since the cover of the landfill needs to remain intact and not be compromised by the secondary use activity. Designing buried utility improvements and lighting systems for the fields that have substantial subgrade structural needs is complicated. Our engineering team was able to complete the design on schedule and obtain all project permits and approvals which included:

- St. Johns County Development Review approval of all aspects of the project
- FDEP solid waste permitting approval for use of the landfill as a secondary use soccer complex
- FDEP permit for potable water connection and service to the site
- FDEP permit for the sanitary sewer connection and installation of new lift stations for the site
- FDEP Environmental Resource Permit (ERP) for the new stormwater management system [Note: FDEP has ERP permitting responsibilities for landfill sites instead of the St Johns River Water Management District]

In addition to the permitting coordination the project also required coord-

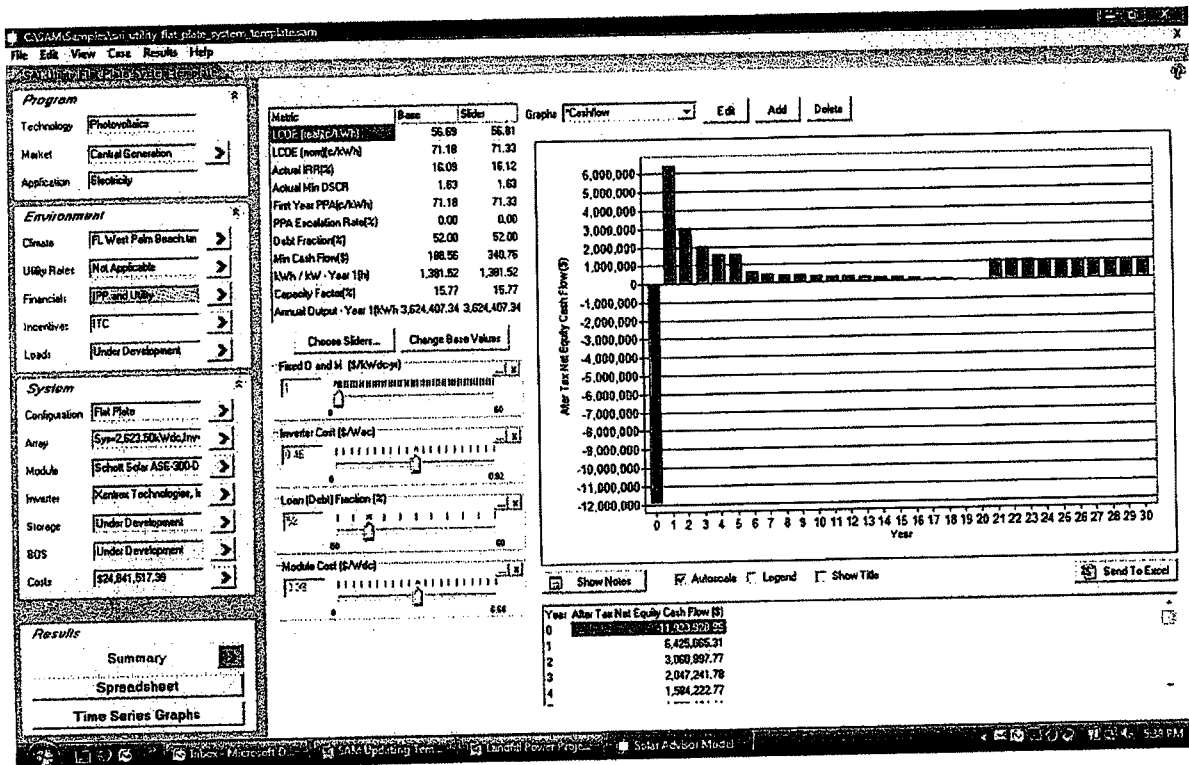




dination with St. Johns County Parks (which was the actual client), St. Johns County Development Review for the entire project, St. Johns County Utilities and Public Works for utility connections, St. Johns County Road and Bridge for the connection of the roadway to the new soccer complex and St. Johns County Construction in order to prepare the construction documents with which they could bid the project.

Subsequent to completing the project, the economy took its current downturn and the County did not have the funds to complete the project. As such the engineering has been shelved currently until Parks' finances are such that a significant capital project like this can be executed.

Nelson Engineering Co. has been a leader in considering secondary use of landfills as solar farms. Nelson Engineering Co. was working with a different client on a project in early 2009. Once it looked like the soccer complex was not going to get funded (at least temporarily) we adapted the data from that project to St. Johns County's Tillman Ridge site. The feasibility study included cost estimates for installation as well as cash flow and return on investment analyses. The study report was presented to St. Johns County's Solid Waste manager. The project has not pursued because the



Projected Cash Flow for 2.6MW Solar PV System



long term plan is to still use the site for a soccer complex at some point in the future.

Organization Name St. Johns County
Client Project Manager Ms. Wendy Manucy (904) 827-6982
Date of Project April 2006 – May 2009
Original and Final Fee Orig: \$105,000 Final: \$105,000

1.1.9 Miscellaneous As-Needed Solid Waste Engineering Support

Old Dumps Assessments



The former Ravenswood Dump first became a project for St. Johns County Solid Waste Management in August 2000 when excavation contractors for the adjacently located Royal St. Augustine Golf Course discovered waste encroaching onto their property. St. Johns County appropriately responded by excavating, removing, and properly disposing the waste. Nelson Engineering Co. was asked to provide environmental and hydrogeological support of the project. Our assessment consisted of determining the area's site-specific ground water hydraulic conditions (flow directions) and ground water quality. Nelson Engineering Co. was again contracted from 2005 to 2008 to provide additional environmental and hydrogeological support by determining the ground water hydraulic conditions (flow directions) and ground water quality of the entire dump. The work included the preparation and submittal of site assessment and water quality monitoring reports to the Florida Department of Environmental Protection.

The Mizell Road dump was a former open dump which operated between approximately 1960 and 1977. St. Johns County Solid Waste Management was tasked to assess reports of illegal dumping and waste encroachment in 2005. Nelson Engineering Co. was immediately asked to perform an assessment and prepare/submit a contamination assessment report to the Florida Department of Environmental Protection. Our assessment consisted of determining the site history, limits of waste, hydrogeological conditions, ground water and surface water quality as well as an engineering plan for supplemental closure requirements including provisions for storm water.



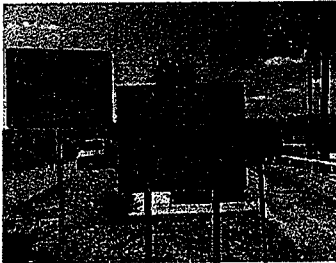


Waste Tire Permitting Support

Nelson Engineering Co. provided as-needed waste tire assessments and permitting support (new permits and renewals) between 2003 and present including preparation of corresponding emergency response plans.

Full Cost Accounting Support

Nelson Engineering Co. provided as-needed full cost accounting support and training for solid waste staff in 2006 including proprietary spreadsheets used in the assessments and calculations to determine solid waste assessments and disposal fees.



Developments of Regional Impact (DRI) Support

Nelson Engineering Co. provided as-needed support and training for solid waste staff from 2004 through 2009 for all DRI projects submitted to St. Johns County Solid Waste Management and included our proprietary spreadsheets used in the assessments and calculations to determine solid waste capacity.

Contract Management Support

Nelson Engineering Co. provided as-needed contract management support between 2003 and present for municipal solid waste hauling franchise operations, C&D franchise operations, disposal contracts, and transfer stations operations.

Hurricane Cleanup Cost Recovery Support

Nelson Engineering Co. provided as-needed hurricane cleanup cost recovery effort in 2004 including assessments and calculations for storm debris cleanup of roads under the jurisdiction of Federal Highway Administration. Also included as-needed support in preparing a storm debris management plan designed to reduce disaster impact on the County and improve recovery of Federal Emergency Management Agency (FEMA) Disaster Funds.

Architectural and Engineering (A&E) Support for New Solid Waste Administrative Building

Nelson Engineering Co. provided as-needed A&E support during the initial and early stages of the project and included the conceptual layout for the new Solid Waste Administrative Building.



Many of the as-needed solid waste engineering supports project required





sensitive and detailed communication and coordination between St. Johns County Solid Waste Management, Administration, Utilities, Real Estate, Public Works, Surveying, Purchasing, and Facilities Maintenance department.

Nelson Engineering Co. has done more than just "successfully perform" special support projects for St. Johns County. We have proved to be properly and efficiently staffed, for even the most urgent and sensitive support projects, and demonstrated to St. Johns County that we could meet ever-changing schedules during unexpected adverse and critical situations. Nelson Engineering Co. has met and/or exceeded all project deadlines associated with the as-needed support requirements. The as-needed support project began in 2004 with an estimated annual budgeted cost of \$100,000.

We have worked diligently and cost-effectively to ensure our client is properly supported and will continue to do so if we are selected to continue to represent St. Johns County. Nelson Engineering Co. has always appreciated the relationship and challenging work provided by St. Johns County over the years, so much so that **we have never raised our costs or rates** since we first officially began working for the County in 2003.

Organization Name St. Johns County

Client Project Manager Ms. Wendy Manucy (904) 827-6982

Date of Project On-Going

Original and Final Fee Original: \$100,000 (annual) Final: \$70,000 (annual)

1.2 City of Daytona Beach Solid Waste Support

For 14 years in a row (since 1997), the City of Daytona Beach has retained Nelson Engineering Co.'s environmental engineering services at the Clyde Morris Boulevard Landfill. We have diligently and cost-effectively been performing the *same* scope of services required by RFQ #12-06 as summarized below:

- Semiannual water quality monitoring
- Biennial water quality reporting
- Financial assurance cost estimating, adjustments, & certifications





Nelson Engineering Co. continues to perform these services, and over the past 14 years have also provided the City of Daytona Beach additional solid waste engineering services including annual landfill capacity determinations, contamination assessments, permit renewals, landfill expansion design and permitting, feasibility study, storm water system design and permitting, and contract writing.

We have consistently met and/or exceeded all applicable permit conditions for monitoring and reporting services which have provided the City of Daytona Beach with an excellent reputation in the eyes of the Central District Office of the Florida Department of Environmental Protection.

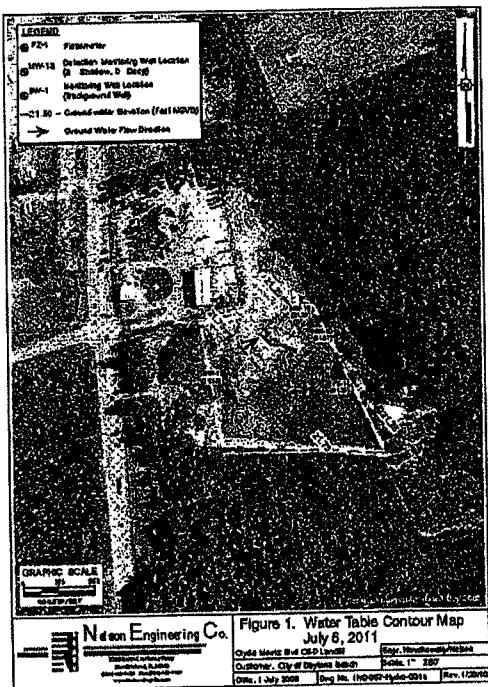
1.2.1 Clyde Morris Boulevard Landfill

The Clyde Morris Boulevard C&D landfill in Daytona Beach, Florida is government owned/operated and was established in the early 1990's with a total of nearly five (5) acres of disposal area partially filled with construction and demolition debris and land clearing debris.

Nelson Engineering Co. first began *semiannual water quality monitoring* for the landfill in 1998 and has diligently and cost-effectively produced a total of twenty-six (26) monitoring reports through 2011. We first began *biennial water quality monitoring reporting* in 1999 and have produced the seven (7) required reports with the most recent report produced in 2011. Based on our quality work and attention to detail, the client has contracted us to continue to provide these services today.

On regular bases, Nelson Engineering Co. has also successfully performed the required *financial assurance cost estimating, adjustments, and certifications* for the landfill due at each 5-year permit renewal interval. In addition, a landfill capacity study (air space determination) and certification is performed annually for the client.

In 2010, we determined bacteria and filamentous growth within the well screen of Monitoring Well MW-1S was the cause of false-positive Iron, Ammonia, and TDS levels above state standards. This attention to detail and problem solving skills prevented the client from having to install additional assessment wells and perform additional and expensive evaluation monitoring. As a result of our careful work, Nelson





**Engineering Co. saved the client thousands of dollars in additional
assessment well installation and monitoring costs.**

Organization Name City of Daytona Beach, Solid Waste Division

Client Project Manager Mr. Tim Fauvelle (386) 671-8675

Date of Project 1997 – Present (on-going)

Original and Final Fee Original: \$205,000 Final: \$205,000

1.2.2 City Of Daytona Beach Landfill Expansion Design

The City of Daytona Beach operates the Clyde Morris Road construction and demolition (C&D) debris landfill. Nelson Engineering Co. has been performing all the solid waste engineering work for the City consecutively since 1997. During this 14 year performance period we have worked with three (3) different solid waste managers within the City. This length of performance with essentially three different end clients is a testament to our superior performance in achieving cost effective performance and providing client satisfaction. In February 2008 the City elected to pursue a lateral permit expansion of the landfill and retained Nelson Engineering Co. to provide the design and permitting. As part of the effort Nelson Engineering Co.:

- Performed the geotechnical and hydrogeological investigation of the area to be permitted
- Performed natural resource and wetlands investigations of the area of the permit expansion
- Completed a revised site design and fill schedule for the landfill that was integrated with the existing permitted site
- Prepared the FDEP permit application documents for the lateral expansion
- Revised the entire site stormwater management system (conveyance and treatment areas) to maximize the combined landfill air space of the existing site and the portion of the lateral expansion
- Prepared the environmental resource permit (ERP) application documents for the revised landfill configuration.





- Coordinated with the FDEP Central District during the permit application review process.

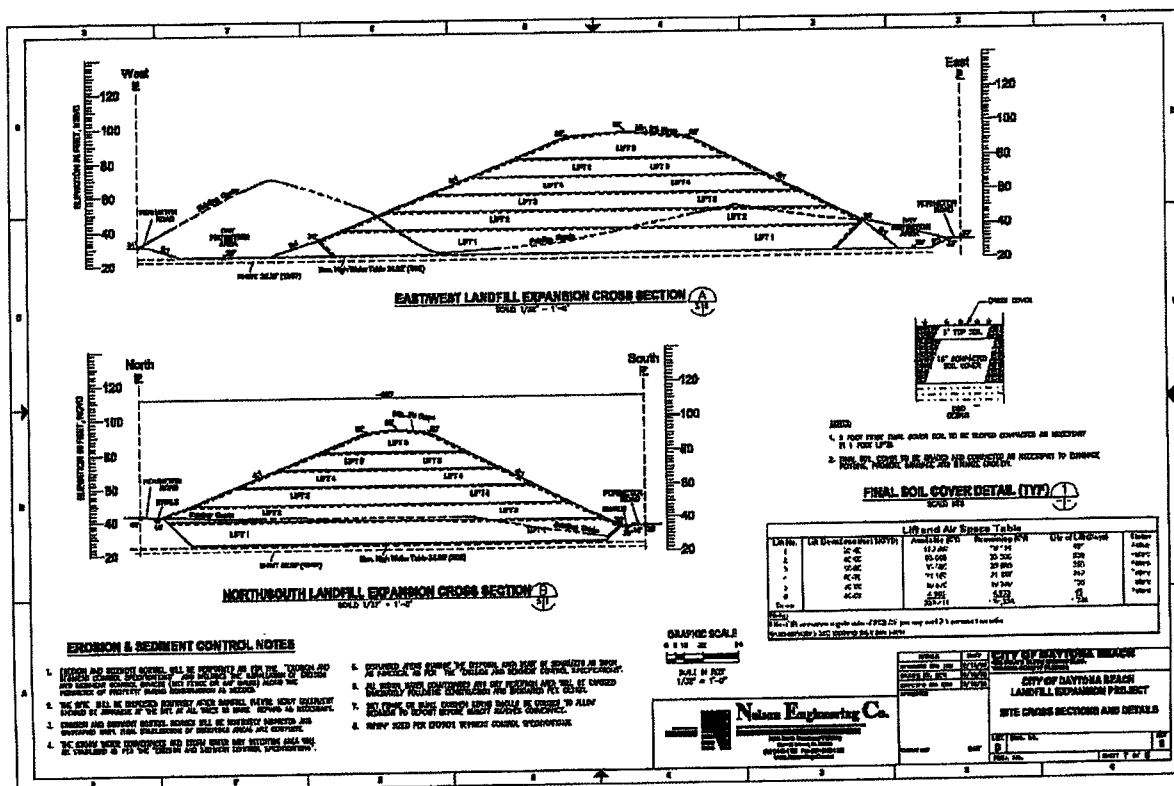
As part of the effort Nelson Engineering interfaced with City of Daytona Beach Solid Waste and Public Works staff and FDEP solid waste and ERP staff.

Organization Name City of Daytona Beach

Client Project Manager Mr. Tim Fauvelle (386) 671-8675

Date of Project Feb 2008 – May 2010

Original and Final Fee Orig: \$57,906 Final: \$57,906





1.3 Coastal Landfill - Introduction

For 12 years in a row (since 1999), Coastal Landfill Disposal of Florida, LLC has retained Nelson Engineering Co.'s environmental engineering services at the Coastal C&D Landfill in Pasco County, Florida. We have diligently and cost-effectively been performing the *exact* scope of services required by RFQ #12-06 as summarized below:

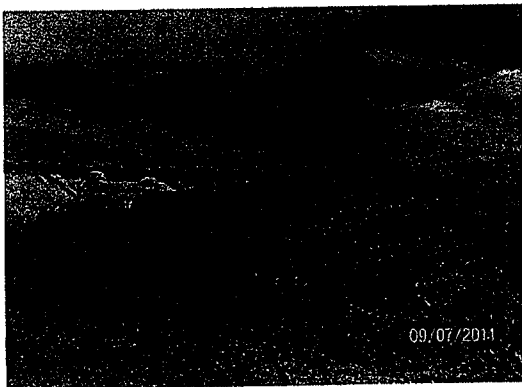
- Semiannual water quality monitoring
- Biennial water quality reporting
- Storm water system inspections and certifications
- Financial assurance cost estimating, adjustments, & certifications

Nelson Engineering Co. continues to perform these services, and over the past 12 years have also provided Coastal Landfill Disposal of Florida, LLC additional solid waste engineering services including annual landfill capacity determinations and topographic maps, landfill expansion design and permitting, landfill permit renewals, minor and substantial permit modifications, operations plans, disposal cell certifications, disposal cell closure certifications, and contamination assessments.

We have consistently met and/or exceeded all applicable permit conditions for monitoring, reporting, and certification services which have provided Coastal Landfill Disposal of Florida, LLC with an excellent reputation in the eyes of the Southwest District Office of the Florida Department of Environmental Protection.

1.2.1 Coastal Landfill

The Coastal C&D landfill in Hudson, Florida (Pasco County) is privately owned by Coastal Landfill Disposal of Florida, LLC. The landfill was established in the early 1990's first as a sand mine, and presently consists of 21 closed acres and 42 active acres of disposal area partially filled with construction and demolition debris and land clearing debris.



Nelson Engineering Co. first began *semiannual water quality monitoring* for the Coastal Landfill in 1999 and has diligently and cost-effectively produced a total of twenty-four (24) monitoring reports through 2011. We first began *biennial water quality monitoring reporting* in 2002 and have produced the five (5) required reports with the most recent report produced in 2011.





Based on our quality work and attention to detail, the client has contracted us to continue to provide these services today.

We have also successfully performed all required *storm water system inspections* and all *certifications* required by the Southwest Florida Water Management District. When Nelson Engineering Co. expanded the landfill for the client in April 2000, we also designed and permitted the storm water system.

On a regular basis, Nelson Engineering Co. has also successfully performed the required *financial assurance cost estimating, adjustments, and certifications* for the landfill due at each 5-year permit renewal interval. The related landfill capacity determination study and certification is performed annually for the client.

In 2001, we determined bacteria and filamentous growth within the well screen of Monitoring Well MW-6 were the cause of false-positive Nitrate levels above state standards. In 2010, we determined bacteria and filamentous growth within the well screen of Monitoring Well MW-10 were the cause of false-positive Nitrate levels above state standards. Our constant attention to detail and problem solving skills prevented the client from having to install additional assessment wells and perform additional and expensive evaluation monitoring. As a result of our careful work, **Nelson Engineering Co. saved the client thousands of dollars in additional assessment well installation and monitoring costs.**

Organization Name Coastal Landfill Disposal, LLC

Client Project Manager Mr. Eric Cash (404) 915-1310

Date of Project 1997 – Present (on-going)

Original and Final Fee Original: \$420,000 Final: \$420,000

1.3.2 Coastal Landfill C&D Disposal Facility Landfill Expansion Design

Coastal Landfill C&D Disposal (Coastal) operates a private construction and demolition (C&D) debris landfill located in Pasco County, Florida. Nelson Engineering Co. has been performing all the solid waste engineering work for Coastal consecutively since June 1999. We have worked



- Completed a revised site design and fill schedule for the landfill that was integrated with the existing permitted site. This included optimizing the cells and fill sequence to obtain the maximum air space for the client while working within FDEP as well as Pasco County regulations - which were conflicting.
- Prepared the FDEP permit application documents for the lateral and vertical expansion for both the County and FDEP
- Revised the entire site stormwater management system (conveyance and treatment areas) to maximize the combined landfill air space of the existing site and the portion of the lateral expansion
- Prepared the environmental resource permit (ERP) application documents for the revised landfill configuration.
- Coordinated with the FDEP Southwest District and Pasco County Land Development and Code Enforcement during the permit application review process.

As part of the effort Nelson Engineering interfaced with the client, the client's legal counsel, County staff and FDEP solid waste and ERP staff.

Organization Name Coastal Landfill and Disposal

Client Project Manager Mr. Eric Cash (770) 433-2484

Date of Project Jun 1999 – Present

Original and Final Fee Orig: \$44,682 Final: \$44,682

1.4 Waste Pro USA

For 8 years in a row (since 2004), Waste Pro of Florida, Inc. has retained Nelson Engineering Co.'s environmental engineering services at the Interlachen Landfill in Putnam County, Florida. We have diligently and cost-effectively been performing the *exact* scope of services required by RFQ #12-06 as summarized below:

- Semiannual water quality monitoring
- Biennial water quality reporting
- Storm water system inspections and certifications
- Financial assurance cost estimating, adjustments, & certifications

Nelson Engineering Co. continues to perform these services, and over the





past 8 years have also provided Waste Pro of Florida, Inc. additional solid waste engineering services including annual landfill capacity determinations and topographic maps, landfill expansion design and permitting, landfill permit renewals, minor and substantial permit modifications, operations plans, disposal cell certifications, disposal cell closure certifications, and contamination assessments.

We have consistently met and/or exceeded all applicable permit conditions for monitoring, reporting, and certification services which have provided Waste Pro of Florida, Inc. with an excellent reputation in the eyes of the Northeast District Office of the Florida Department of Environmental Protection.

1.4.1 Interlachen Landfill

The Interlachen C&D landfill in Putnam County is privately owned by Waste Pro of Florida, Inc. The landfill was established in the November 1994 first as a sand mine, and presently consists of 26 acres of disposal area partially filled with construction and demolition debris and land clearing debris.

Nelson Engineering Co. first began *semiannual water quality monitoring* for the Interlachen Landfill in 2001 for NOVA Environmental Services, Inc. then again in 2004 for Waste Pro of Florida, Inc. Nelson Engineering Co. has diligently and cost-effectively produced a total of twenty (20) monitoring reports through 2011. We first began *biennial water quality monitoring reporting* in 2003 and have produced the five (5) required reports with the most recent report produced in 2011. Based on our quality work and attention to detail, the client has contracted us to continue to provide these services today.



We have also successfully performed all required *storm water system inspections* and all *certifications* required by the Florida Department of Environmental Protection. Besides having designed and permitted the storm water system, Nelson Engineering Co. completed the installation inspections and certifications in 2001, 2006, and 2008. Based on our quality work and attention to detail, the client has contracted us to continue to provide these services today.

On regular basis, Nelson Engineering Co. has also suc-





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cessfully performed the required *financial assurance cost estimating, adjustments, and certifications* for the landfill due every 5 years during permit renewals. The related landfill capacity determination study and certification is performed annually for the client.

In 2010, we identified an internal drainage problem which caused storm water runoff, ponding, infiltration, and concentrate to impact several adjacent monitoring wells with parameters above ground water quality state standards. We designed improvements to eliminate the problem before a formal site assessment was required. Our constant attention to detail and problem solving skills prevented the client from having to install additional assessment wells and perform additional and expensive evaluation monitoring. As a result of our careful work, **Nelson Engineering Co. saved the client thousands of dollars in additional assessment well installation and monitoring costs.**

Organization Name Waste Pro of Florida, Inc.

Client Project Manager Mr. Bob Hyres (407) 936-2751

Date of Project 2001 -- Present (on-going)

Original and Final Fee Original: \$355,000 Final: \$355,000

1.4.2 Waste Pro's Landfills in the Florida Panhandle

In April 2011 Waste Pro of Florida, Inc. purchased seven (7) additional landfills in the Florida Panhandle and contracted Nelson Engineering Co. to be the Engineer of Record for each site. The landfills consist of the Blountstown C&D Landfill (69 acres), Crestview C&D Landfill (47 acres), Freeport C&D Landfill (66 acres), Lynn Haven C&D Landfill (38 acres), Panama City Beach C&D Landfill (123 acres), Southport C&D Landfill (69 acres), and the West Bay C&D Landfill (34 acres).

Nelson Engineering Co. first began *semianual and quarterly water quality monitoring* for the seven (7) panhandle landfills in 2011 for Waste Pro of Florida, Inc. Nelson Engineering Co. has diligently and cost-effectively produced a total of nineteen (19) monitoring reports through 2011 alone. We first began *biennial water quality monitoring reporting* in 2011 and have produced the seven (7) required reports. Based on our quality work and attention to detail, the client has contracted us to con-





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tinue to provide these services today.

Although not yet required to be performed this year, Nelson Engineering Co. will also be responsible for completing the required *storm water system inspections* and *financial assurance cost estimating, adjustments, and certifications* for each of the landfills, including the related landfill capacity determination study and certifications when required.



The majority of the landfills were required to perform assessment evaluation monitoring when Waste Pro purchased them due to ground water quality impacts, some of which were false positive from Iron bacteria. Within the previous six (6) months, we have been able to reduce the monitoring frequency from quarterly to semi-annual at the Freeport C& Landfill, negotiated with the regulatory agency to acquire a shorter evaluation monitoring period for the Blountstown C&D Landfill, and a

request for a remedial action plan for the Crestview C&D landfill. Our attention to detail and problem solving skills **have saved the client thousands of dollars in additional assessment well installation and monitoring costs.**

Organization Name Waste Pro of Florida, Inc.

Client Project Manager Mr. Vic Williams (850) 428-1046

Date of Project 2011 – Present (on-going)

Original and Final Fee Original: \$125,000 Final: \$125,000





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1.5 Other Company Work Experience

As indicated previously in the Company Introduction section, Nelson Engineering Co. is a full service engineering company with 47 professionals on staff. In addition to solid waste engineering performed on behalf of our clients we also perform design engineering, facility operations maintenance engineering, environmental engineering and compliance and other engineering services. Having significant experience on other projects and with other engineering provides St. Johns County with the full breadth and depth of our engineering capability and expertise. All personnel are home based in our central Florida office which is approximately 90 minutes drive time from the County's Solid Waste Manager's office. This provides significant responsiveness as compared to other consulting companies that do not have as large of a local Florida staff.

The following narratives, while not solid waste engineering related, are provided to show some of the depth and breadth of work Nelson Engineering Co. performs.

United Launch Alliance Environmental Programs

Boeing developed the Delta IV vehicle and Space Launch Complex 37 (SLC-37) at Cape Canaveral Air Force Station (CCAFS), FL for the United States Air Force Evolved Expendable Launch Vehicle Program. Nelson Engineering Co. (NE) has provided multimedia environmental support for Delta IV CCAFS since ground facility construction began in 1997. In 2006, Boeing and Lockheed Martin formed United Launch Alliance (ULA), a joint venture that brought together the Delta and Atlas Programs to provide space launch services for the U.S. Government. Since that time, NE has provided multimedia environmental services to both the ULA Delta and Atlas Programs.

NE developed and signed and sealed separate Spill Prevention Control and Countermeasures (SPCC) Plans for Delta IV and Atlas and audited plan implementation. NE then updated the SPCCs Plan to a single Integrated Contingency Plan covering both Delta IV and Atlas V launch facilities. NE also developed the SPCC/ICP training program.

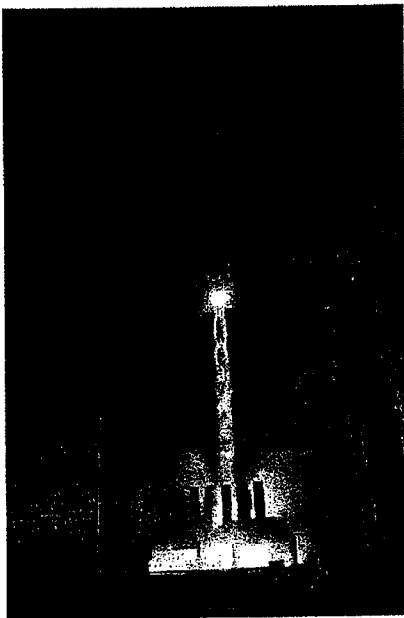
NE designed and permitted five of the six Delta IV stormwater area systems. The storm water management system at the 95 acre SLC-37 contains 3 wet detention ponds (5.3, 4.1 and 1.8 acres) with dry conveyance swales designed to meet Florida's strict storm water quality and quantity





requirements. We designed one wet detention pond and seven dry retention areas for supporting facility areas. NE provided permit modifications and redesigns to address mission changes, developed storm water inspection procedures, performed field inspections and corresponded with regulatory personnel. NE developed the storm water procedures and training that cover permit compliance, best management practices and good housekeeping practices.

Delta IV had a permit to operate its launch pad industrial waste water treatment system. NE certified the Completion of Construction, developed the Operating and Maintenance manual, and developed a procedure for permit compliance. NE provided quarterly ground water sampling analytical services required by the permit. As a cost savings, NE completed a study including sampling and analysis to allow permit retirement. NE designed the system to pump to the existing CCAFS Waste Water Treatment Plant (drawings and specifications) and oversaw construction (inspection services and preparing construction record drawings) and startup.



NE developed an Industrial Wastewater permit application for Atlas V ground operations at SLC-41 to allow controlled washdowns to remove acidic compounds from interior pad facilities and support equipment after launches using solid propellants. We supported discussions with FDEP and performed analyses that ultimately resulted in an alternate method for washdowns.

Groundwater at SLC-37 contains chlorinated hydrocarbon contamination from previous 1960s operations. A subcontractor dewatered construction areas without prior evaluation of effects on known groundwater contamination plumes. NE conducted a study to determine if dewatering caused contaminated groundwater migration and to evaluate any impacts of discharging potentially contaminated groundwater onto the ground surface. Field screening evaluation and groundwater modeling supported the conclusion that dewatering did not impact the existing plume. Soil sampling and analysis conducted in the area of dewatering discharge indicate no impacts to subsurface soils. Both EPA Region IV and the FDEP accepted our conclusions.

NE developed an Environmental Management Plan (EMP) that documents the environmental requirements applicable to Delta IV and an audit





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system that reviews multimedia environmental compliance. The EMP was developed in compliance with ISO 14001 requirements.

United Space Alliance Environmental Programs

The United Space Alliance is a 50%-50% joint venture of Lockheed Martin and Boeing. They are NASA's prime contractor for the Space Shuttle program. Nelson Engineering Company has been performing environmental management and compliance duties for United Space Alliance (USA) since 1995. Our services have helped:

- Maintain good environmental stewardship of assets at Kennedy Space Center (KSC) and the USA Environmental Management System (EMS)
- Promote USA's environmental goals and objectives
- Identify all environmental aspects and applicable regulations
- Ensure USA processes protect resources and comply with requirements
- Monitor operations to ensure process controls are effective
- Continually evaluate and improve USA's environmental performance



Specific responsibilities have included:

- Evaluating environmental requirements to ensure USA processes comply with all KSC, NASA, federal, and state requirements
- Providing environmental support to operations by maintaining, reviewing and updating existing policies and procedures derived from applicable KSC and NASA requirements and guidance, the KSC EMS, and federal, state and local regulations.
- Conducting walk downs of USA operated hazardous waste, controlled waste and Spill Prevention Control and Countermeasures (SPCC) sites including container (drum) and bulk (tank) accumulation.



- Accompanying Florida Department of Environment Protection (FDEP) and NASA on USA site audits and inspections.
- Evaluating USA processes and facilities to determine ways to minimize hazardous waste generation, air and water emissions and promote recycling and energy saving opportunities.
- Supporting NASA and USA waste and pollution reduction goals, particularly hazardous waste generation.
- Identifying permit strategies (including consolidation of waste generation and emission sources), submitting permit application, and performing Florida Licensed Professional Engineer (PE) review and certification as required by law.
- Performing Pollution Prevention (P2) assessments, investigating opportunities to transition operations to non-toxic or less hazardous alternatives and evaluating waste minimization, energy and water efficiencies, and recycling and waste diversion opportunities.
- Providing environmental support to USA-led design and construction management projects including reviewing environmental checklists, verifying compliance with environmental controls, and conducting oversight inspections.
- Performing annual KSC SPCC Site Specific Plan Updates. Providing Florida Licensed Professional Engineer (PE) review and certification of proposed revisions to the KSC SPCC Site Specific Plan.
- Evaluating USA requisitions for prohibited chemicals and reporting chemical usage to the constituent level at any threshold requested by NASA for specific time periods.
- Providing environmental support to USA's hazardous material reutilization program.
- Soliciting and evaluating environmental risk reduction inputs from the USA workforce and NASA.
- Maintaining the USA Environmental Management, FL web site content and databases.

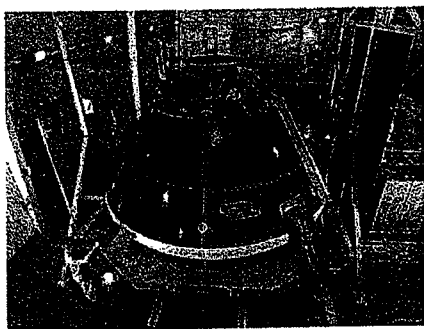




Kennedy Space Center Engineering Services Contract

Nelson Engineering Co. is teamed with QinetiQ North America (QNA) on the Engineering Services Contract (ESC) to provide engineering products and services for the National Aeronautics and Space Administration (NASA) at the Kennedy Space Center (KSC), Florida. The ESC is a 5 year base contract with 3 one-year options that extends through March 2019. Nelson Engineering has a diverse group of engineers providing the following services for the ESC:

- Environmental Compliance – Responsibilities include: develop and maintain the Environmental Management Plan (EMP); support NASA’s Environmental Management System; ensure employees receive annual training; incorporate sustainable elements and practices into operations; identify, interpret, and apply new and existing environmental requirements; provide chemical usage, storage records and other data calls; support inspections and audits; provide permit applications; perform waste minimization and pollution prevention opportunity assessments; and other requirements as required to ensure environmental compliance.
- Occupational Safety – Responsibilities include: protect employees from workplace injury or illness; develop, implement and maintain a safety and health program; report and investigate mishaps; and submit safety statistics records.
- Operational Safety – Responsibilities include: assess testing, operations, and maintenance activities for hazards; perform hazardous operation assessment, surveillance, procedure review, and risk assessments associated with deviations from procedures or safety and health requirements; very work is performed by trained, certified and licensed personnel; verify work is performed per written procedures; and assure tools and resources are appropriate for the activity.
- Systems Safety and Reliability – Responsibilities include: ensure the identification of hazards, elimination or risk reduction of hazards, and updates of hazard documentation throughout the life cycle of systems, equipment and operations.
- Mechanical, Fluids and Electrical Design Engineering – Responsibilities include: provide engineering services for NASA





programs, primarily operational ground systems and ground support equipment used in vehicle processing, payload processing, launch and recovery, and supporting activities. Perform development tasks to include: requirements definition and management, technology assessment, trade studies, concept development, design, analyses, and sustaining engineering.

US Navy Atlantic Undersea Test and Evaluation Center (AUTEK)

Nelson Engineering Co. (NE) is teamed with Computer Science Corporation (CSC) who since March 2005 has held the Atlantic Undersea Testing and Evaluation Center (AUTEK) base operation and maintenance contract in Andros Island, Bahamas. As CSC's team member Nelson Engineering operates the AUTEK Facilities Engineering department, supporting both design and operations and maintenance (O&M) engineering. The contract value including all option years is approximately \$9M and extends until 2020. Per contract requirements, NE provides the following services:

- Ongoing design engineering support for base sustainment, restoration and modernization (SR&M) and other customer-funded construction projects. Specific responsibilities include architectural, structural, mechanical, and electrical design; procurement specification development; and cradle to grave project management. NE conducts regular planning and estimating functions for both in-house and subcontracted construction projects. Microsoft Project schedules are developed and maintained through project completion. Construction cost estimates are developed using RSMMeans CostWorks and competitively priced cost data from vendors.
- Ongoing construction management on SR&M projects, including daily interaction with indigenous Bahamian labor, U.S. Government civil service, the US Navy's Naval Mobile Construction Battalion (Seabees), and CONUS based general contractors. Maintain construction logs and





perform all levels of quality control and quality assurance. Oversee equipment startups and commissioning, working directly with equipment vendors to assure proper installation procedures are followed.

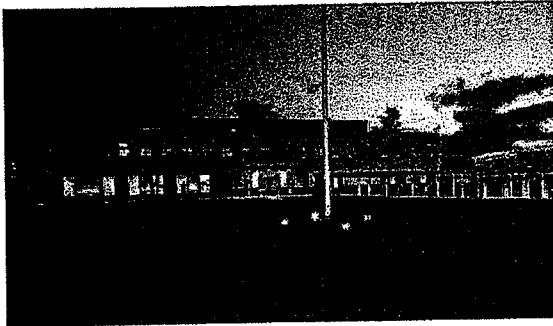
- Long Range Maintenance Planning including development and support of the AUTECH Long Range Housing Plan, and the AUTECH Five-Year Plan for construction and repair projects, created for the Naval Undersea Warfare Center (NUWC) customer to facilitate planning of funding and subcontracted construction activities.
- Conducted a comprehensive initial Facility Condition Assessment (FCA) effort in 2005 on all facilities and associated systems at contract start. The task included a total of 792 system level condition inspections and was used to generate the Fiscal Year 2005 Annual Inspection Summary (AIS), which represented facility conditions based on validated requirements and a systematic inspection program. This effort resulted in a 400% increase in the reported BMAR compared to previously reported data. Provide continuation of the FCA effort consistent with MO-322 guidance, including annual generation of the AIS, which provides continued funding justification and populates the Maintenance Action Plan (MAP) for Base Public Works.
- Initial development of the Preventive Maintenance Database in the Maximo computerized maintenance management system (CMMS), including field inventory of all assets, creating new and modified preventive maintenance job plans using Engineering Performance Standards (EPS) and assigning to appropriate equipment using sound engineering judgments based on mission and criticality. Maintain the database through regular updates and validate at every project closeout to ensure the work steps properly align with the new or modified equipment installed and any changes to mission or requisite availabilities.

US State Department New Embassy Program

Nelson Engineering (NE) has performed professional Commissioning (Cx) and Operations and Maintenance (O&M) services for U.S. Department



of State since 2006 on Embassy and Consulate construction projects in Johannesburg, South Africa, Addis Ababa, Ethiopia, Kyiv, Ukraine, Mumbai, India and Monterrey Mexico. The combined construction costs for these projects is approximately \$600M+. Each project included all systems and equipment required to operate a self-contained campus including standard building shell and services, emergency power generation and transmission and water/sewage treatment and distribution systems. Constructed chilled water HVAC systems included chiller plants, distribu-



tion piping, water treatment, and multiple pumps, variable frequency drives and air handlers. The building automation system (BAS) controls the entire complex including the HVAC, electrical distribution, fuel control and distribution, access control and security systems.

NE acted as the Commissioning Authority with responsibilities including Commissioning Plan development, design reviews, progress meetings, scheduling, test plan development, onsite witnessing and support of commissioning testing, quality control document review, record keeping, the turnover process, closeout and Commissioning Report development. NE successfully developed and executed the commissioning program to satisfy the Bureau of Overseas Buildings Operation's (OBO) stringent commissioning requirements and qualify for LEED™, New Construction certification.

NE acted as the O&M Agent with responsibilities including reliability analysis during design phase, design reviews, submittal reviews, O&M manual development, training record development, preventive maintenance program development, warranty management development, and computerized maintenance management program programming.

National Institute of Standards and Technology (NIST) Capital Asset Management

In October 2010, Nelson Engineering Co. (NE) was awarded a \$1.2M contract to develop a Capital Asset Management System and perform Facility Condition and Sustainability Assessments for the National Institute of Standards and Technology (NIST) per Contract SB1341-10-CN-0132. The scope of the contract includes





- Developing a facilities capital planning and asset management system to store asset data and provide capital planning, forecasting and management tools.
- Migrating existing facilities data into the new asset management system.
- Interfacing with the existing product asset lifecycle and computerized maintenance management system (Maximo).
- Performing a detailed facility condition assessment and a sustainability assessment of all the buildings (including laboratories and office space), mechanical/electrical utilities from on-site central plan generation sources, and horizontal and vertical infrastructure at the NIST campus in Gaithersburg, MD.

The five (5) year contract consists of a base year and four (4) one (1) year options. The content is structured such that 100% of the Gaithersburg facilities measuring 3,400,000 square feet over 580 acres are to be assessed during the base year in addition to deploying the capital asset management software. Starting in Option Year 2, the FCA program will consist of triennial assessments such that one-third (1/3) of the campus will be reassessed each year.



Nelson Engineering Co. deployed a web-based software application that performs capital planning and management functions based on facility/sustainability assessment findings and horizontal infrastructure condition. All building and horizontal infrastructure condition and sustainability assessment data is stored in an SQL database. Software modules include asset, equipment inventory, recommended deficiency repairs, work package, maintenance analysis and detailed reports.

Plans for 2012 include incorporation of the Boulder, CO campus, which is comparable in size to the Gaithersburg, MD campus.

NASA Kennedy Space Center Institutional Engineering

Nelson Engineering Company has been directly supporting NASA Center Operations Institutional Facilities and Infrastructure Branch at Kennedy Space Center (KSC) since April, 2009. This NASA branch is respon-





sible for overseeing the Institutional Services Contract (ISC) which supports operations, maintenance, and cost reporting of all NASA owned facilities at KSC. Our project team has consisted of two (2) full time specialists: a program analyst and a system maintenance engineer.

Our program analyst has been charged with developing an integrated cost model to track and forecast facility operations and maintenance costs across all NASA-owned facilities at KSC. The knowledge incorporated in the model has been used to develop yearly operating plans, capital investment program plans, commercial customer pricing guides, and planning, programming, budgeting & execution (PPBE) submittals. Our program analyst has also helped develop and lead a project integration review board (IRB) across NASA KSC program customers including 21st Century Ground Systems Program, International Space Station, Launch Services Program, and Orion / Multi-Purpose Crew Vehicle. The IRB charter assembles government and contractor parties to discuss project planning, programming, and execution. Annual and long range work plans, baseline operations and maintenance cost reports, project support requests, and reactive maintenance metrics are reviewed with each NASA customer to improve overall budget tracking, project awareness, integration, and communication.

Our system maintenance engineer has rotated technical disciplines throughout the contract to meet NASA's needs as workloads fluctuate between electrical, mechanical, and fire protection systems. We have performed facility condition assessments, conducted property turnover assessments, supported design reviews, reviewed maintenance plans, and accomplished numerous documentation, preventative maintenance, and maintenance management system audits.

Electrical System Arc Flash Analyses

NE provides Arc Flash, Fault, Coordination and Equipment Evaluation analyses for client's facility electrical power distribution systems. The analyses provide the client with an increased awareness of the facility's electrical system's safety for their investments in both personnel and equipment. NE has surveyed and analyzed a wide variety of facility electrical systems for their clients, ranging from space launch complexes to data centers, military complexes to garages and laboratories to courthouses. This has





provided NE with exceptional exposure to a wide variety of facilities and equipment, from complex to simple, new to outdated, this experience and knowledge translates to a superior product. Arc Flash analysis enhances the safety of anyone working on the customer's facility electrical system by providing them with information on the Voltage present, Arc Flash Incident Energy, Arc Flash and Shock Hazard Boundaries and the proper



level of personnel protective equipment that will provide protection from the dangers present. Fault, Coordination and Equipment Evaluation analyses provide the customer with an evaluation of the electrical system which determines if it can properly interrupt and safely withstand an electrical fault; validating the safety of the facilities electrical distribution system investments. A detailed report and a software model of the client's electrical system is another product of the analyses. The report and model offer the client a configuration management tool that can be used for maintenance of and for future modification of their electrical distribution system. NE also provides clients with cost estimates to

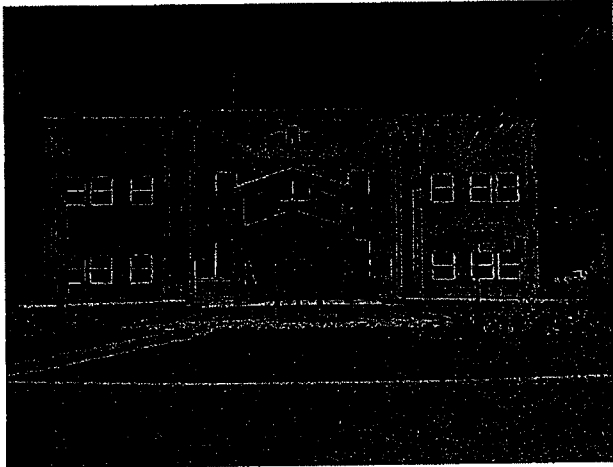
improve their facility electrical systems safety or to eliminate existing code violations. NE has active projects performing all the electrical studies and arc flash analyses for GSA Region 8 facilities in Colorado, Montana, Utah, South Dakota, North Dakota, and Wyoming as well as for the US Department of Energy facilities in West Virginia, Pennsylvania and Oregon.





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2.0 Staff Qualifications and Project Team

Firm information:

Name: Nelson Engineering Co.

Website: www.NelsonEngrCo.com

Address: 5335 North Courtenay Parkway,
Merritt Island, FL 32953

Phone/Fax: (321)449-1128/(321)449-1195

Types of Services Offered:

Complete multi-disciplined engineering services that include solid waste engineering, design engineering, construction management, and facility operations and maintenance engineering.

Number of Years in Business:

Nelson Engineering Co. has been in business since May 1993 – 18 years. Environmental engineering and solid waste engineering has been a part of the company's business lines since its founding.

Number of Employees:

Nelson Engineering Co. has 47 professionals. Of those 13 have worked environmental projects and can be considered to be in the environmental engineering group (Nelson Engineering Co. is not however organized around various engineering "groups").

Location of office to perform work:

The work in support of St. Johns County would be performed from our main company office located in Merritt Island, FL.

Statement of Firm's background for this RFQ:

Nelson Engineering Co. is the incumbent for this work and has been providing the services requested by this RFQ to St. Johns County and other clients for many years.

Nature and Extent of Private Development work in the County:

Nelson Engineering Co. has not performed private development work within the County over the last five years and does not project to perform



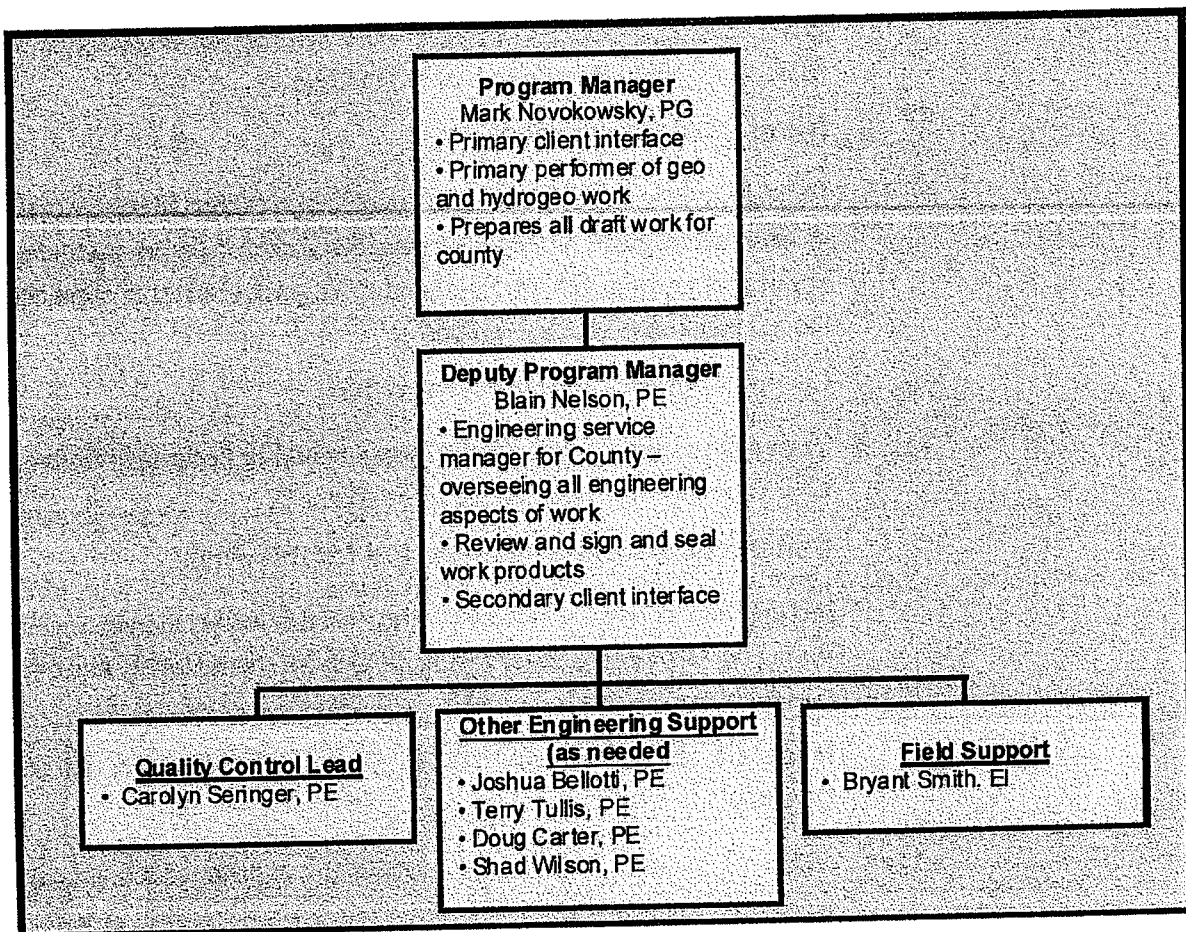


any over the next 2 years.

Nature and Extent of Solid Waste work:

Over the past five (5) years environmental engineering services has averaged between 12-15 % of the company's total work base. Of this environmental engineering work, it is estimated that solid waste work (as described in section 1) has accounted for approximately 75-80% of the total environmental work. As such solid waste work has represented approximately between 9-12% of total business of the firm

This project will be lead by Mr. Mark Novokowsky who will be the day to day interface to the County staff for performance on this contract. He will operate out of our main company office in Merritt Island, FL. He will be supported by the company president, Mr. Blain Nelson, who leads the company's environmental practice. Our project organization chart is provided below. The qualifications of the staff members are shown on their resumes provided on the following pages.



Blain L. Nelson, P.E.

Experience

President Nelson Engineering Co.

May 1993 - Present

Perform technical consulting and business development for engineering company. Perform investigations and analyses, calculations, permit applications, field surveys and testing, and technical report preparation. Coordinate with clients on design and implementation matters. Perform regulatory agency coordination and operational compliance auditing.

Lead solid waste and environmental engineering lines of business within the company.
Engineer of Record for:

- All past St. Johns County work for Tillman Ridge Landfill and Transfer Station, Stratton Road Transfer Station and past illegal dump investigations
- Coastal Landfill and Disposal, LLC landfill expansion design (40 acres)
- City of Daytona Beach landfill expansion and design (5 acres)
- Boeing and United States Air Force Launch Complex 37 Environmental Engineering Resource Permit (137 acres)
- United Space Alliance (Space Shuttle) air permits, industrial wastewater permits, SPCC compliance and management
- Potable water investigation and salt water intrusion study for US Navy base located at Andros Island, Bahamas
- Routine solid waste engineering for clients including – ground water monitoring, compliance investigations, permit renewals, biennial reporting, third party financial assurance cost estimates
- Domestic Wastewater Treatment Plant permit renewals for four (4) clients
- Air permits for hazardous air pollutants (HAPS) for six (6) boat builder clients

Environmental Manager/Facility Design Engineer/Business Development/ Lockheed Space Operations Company

1985 - 1994

Developed and implemented a variety of programs for Lockheed at Vandenberg AFB, CA and at KSC and Cape Canaveral Air Station in Florida. Performed environmental and facility development work in support of the Space Shuttle, Titan IV-Centaur, Iridium, Lockheed Launch Vehicle, Atlas, and National Launch System programs at VAFB and KSC. Performed environmental support for new launch vehicle programs and operational activities at both the Eastern and Western Ranges. Performed new business development, marketing and proposal development.

Environmental Manager of Titan Centaur Launch Complex. Responsible for complete environmental compliance for permitting and operations of all launch pad systems. Regulatory agency coordination on behalf of Lockheed and the US Air Force. Performed National Environmental Policy Act (NEPA) compliance during launch pad planning, design and construction.

Alpha Company Commander (U.S. Navy Active Reserve) Reserve Naval Mobile Construction Battalion 17

1984 - 1988

Managed a 140-man company of heavy equipment operators and mechanics. Planned and directed the company's long-term goals and short term operations. Performed training and operational exercises to ensure combat readiness.

Test Operations Engineer Martin Marietta Company **1984 - 1985**
Supervised technicians in the assembly and test of Peacekeeper missiles. Performed missile assembly, and pre-flight check-out operations.

U.S. Navy Civil Engineer Corps - Active Duty
Public Works Officer, Naval Facility Point Sur **1980 - 1984**
Engineering Coordination Officer, Camp Pendleton
Supervised employees in operations, maintenance, repair, and construction of structures and utilities. Performed all environmental and energy operations, compliance and permitting for utility systems with the State of California. Performed as military project manager during design phase of over 40 Military Construction projects representing \$120 million of construction.

Education Webster University; St. Louis, MO
MA Business Administration - 1983: *Graduate with Distinction*
University of California, Los Angeles
BS Engineering - 1980: *Cum Laude*

Certifications/ Florida Professional Engineer P.E. 46471, California Civil P.E. 36945, Georgia P.E. 26964

Licenses California Community Colleges Instructor Credential (1982 - present)

Associations Florida Association of Environmental Professionals (FAEP) - 1994 - present
American Society of Civil Engineers (ASCE) - 1980 - present
Society of American Military Engineers (SAME) - 1977 - present

Mark A. Novokowsky, P.G.

Experience

Vice President - Solid Waste Operations Nelson Engineering Co.

May 1993 - Present

Senior hydrogeologist and solid waste project manager and consultant specializing in landfill and transfer station consulting, operation, management, and maintenance at over seventy (70) Municipal Solid Waste landfills (Class I & II), Class III landfills, construction and demolition debris (C&D) landfills, and MSW and C&D transfer stations, located throughout Florida and operated by both government and private entities.

Professional consulting services include transfer station and landfill siting, design, permitting, construction management, operation, closure, and long-term care maintenance including financial assurance calculations and certifications, landfill gas systems, leachate collection systems, and storm water system inspections and certifications. Specialized professional consulting services include disaster recovery, environmental risk and liability assessments of closed dumps and landfills.

Landfill operation and management services including contract management and writing, bid specification preparations, full cost accounting, tipping fee analyses, rate studies, secondary use studies, operation and safety training, operation and maintenance plans, communications and interfacing with Boards of County Commissioners and regulatory agencies. Landfill maintenance services include leachate collection systems testing and certifications, monitoring well retrofits, and greenhouse gas emissions testing and reporting.

Professional environmental services include hydrogeological and geotechnical investigations, water quality monitoring system design and installations, monitoring well design and installations, 2-D and 3-D numerical computer modeling including coastal and island setting salt water intrusion modeling (Visual MODFLOW, SEAWAT, MT3D99, EPA's HELP, and Flowpath), surface water, ground water, and waste water quality monitoring and reporting, landfill gas monitoring and reporting, contamination site assessments, and remediation system design and installations. Also a previous landfill owner and operator from 2001-2004.

Project Geologist Environmental Solutions, Inc.

1994 - 1996

Project geologist specializing in and responsible for performing hydrogeological assessments at over thirty (30) Florida Class I, II, III and C&D landfills, over fifty (50) petroleum sites, over twenty (20) industrial facilities including metal plating facilities, and over 200 dry cleaning facilities all across Florida. Landfill services included operation and management services including full cost accounting, rate studies, safety training, and operation and maintenance plans.

Professional services included landfill siting, design, permitting, construction management, operation, closure, and long-term care maintenance including financial assurance calculations and certifications, and storm water system inspections and certification. Other services included the collection, interpretation and evaluation of air, soil and ground water data and laboratory analytical results.

Performed numerous Phase I and II Environmental Site Assessments throughout Florida. Specific duties included the performance of exploratory borings, monitoring well design and installation, surface water, ground water, and waste water quality monitoring and reporting, pumping and slug test design and implementation, infiltration and permeameter tests, soil vapor studies, geologic logging, preparation of ground water monitoring plans, numerical 2-D modeling, recovery well design/installation, soil vapor extraction system designs and installations.

**Geological Consultant
Freelance**

1992 - 1994

Provided geological and hydrogeological consulting and subcontracting services to a wide variety of clients ranging from environmental consulting and engineering firms to individual property owners and homeowners. Specialized in sinkhole investigations and exploratory borings, ground water computer modeling, ground water and surface water monitoring and reporting, monitoring well design and installations, environmental and water resource drilling and supervision, aquifer testing, contamination assessments and remediation design all conducted at numerous Florida Class I, III and C&D landfills, numerous petroleum and industrial facilities, and at numerous private properties. Performed air, soil, sediment, surface water, ground water, and wastewater testing, monitoring, and reporting. Performed numerous Phase I and II Environmental Site Assessments throughout Florida.

**Field Supervisor
Envirolab, Inc.**

1990 - 1992

Responsible for supervision of field staff and project activities for routine air, soil, sediment, surface water, ground water, and wastewater monitoring and reporting, surface water and ground water site investigations at numerous Florida Class I, III and C&D landfills and both hazardous and non-hazardous industrial facilities including Superfund sites. Other duties included the collection, interpretation and evaluation of air, soil, and surface water, ground water, and wastewater data and review of laboratory analytical results.

Education University of South Florida, Tampa, Florida
Graduate Coursework in Hydrogeology - 1994
University of South Florida, Tampa, Florida
B.S. Geological Sciences - 1994

Certifications/ Licenses Florida Professional Geologist P.G. #2098

Associations Solid Waste Association of North America (SWANA) - 1994 - present
American Institute of Professional Geologists (AIPG) - 1994 - present
National Ground Water Association (NGWA) - 1996 - present
Florida Association of Professional Geologists (FAPG) - 1998 - present

Carolyn S Seringer, P.E.

Experience

Vice President – Nelson Engineering Co.

1995-Present

Ms. Seringer performs technical and program and project management functions for the environmental, facilities maintenance, and aerospace business sectors. This includes environmental auditing, environmental management system implementation, Phase I and II Environmental Assessments, environmental permitting, engineering analyses, pollution prevention programs, program oversight, technical and maintenance evaluations, calculations, field studies, and technical reports. Programs include:

- Comprehensive environmental support for United Launch Alliance Delta IV and Atlas V programs at Cape Canaveral Air Force Station, including permitting, environmental management system development and implementation and comprehensive audit program for industrial and hazardous waste, water resources, Integrated Contingency Plan development, air resources, Environmental Baseline Surveys, natural resources, hazardous materials, risk management and emergency planning. Designed and permitted five of the six Delta IV program storm water systems that included Outstanding Florida Waterway receiving water considerations. The storm water management system at the 95 acre Launch Complex (LC-37) contains 3 wet detention ponds (5.3, 4.1 and 1.8 acres) with dry conveyance swales designed to meet Florida's strict storm water quality and quantity requirements.
- Comprehensive environmental assessment of the Kashagan (Caspian Sea, Republic of Kazakhstan) oil and gas exploration and development program and the Yashlar Natural Gas Exploration Area in the District of Mary, Turkmenistan for Ryder Scott Company.
- Environmental Site Assessments in accordance with American Society of Testing and Materials (ASTM) Standard Practice E1527 for a variety of companies including SMI Steel, United Space Alliance, United Launch Alliance, Brevard County Environmentally Endangered Lands program and R. J. Dougherty Associates, Inc.
- Air and water resource and hazardous waste consulting for United Space Alliance at Kennedy Space Center, including RCRA permitting, complete emissions inventories, permit and rule compliance plan preparation, Annual Operating Report preparation, air and water source audits, refrigeration equipment certification, and equipment permitting.
- Comprehensive environmental services for Lockheed Martin's X-33 Space Shuttle replacement program in California, including environmental site assessments, air and water source permitting, risk management and emergency response planning, federal regulation compliance, environmental management planning and training.

E.I. DuPont de Nemours and Co., Inc.

1980-1994

Environmental, Health, and Safety Manager, DuPont Fluoroproducts

1990-1994

- Responsible for environmental, safety and health policies, compliance programs and performance for Fluoroproducts, which included four major businesses (\$1.5B sales) and 21 plants in 8 countries. Programs included safety and environmental auditing and management of highly hazardous chemicals. Planned permit strategies, prepared permits, reviewed applications prepared by other engineers, and negotiated permits with regulatory agencies for all media (air, water, and solids) in 10 states. Managed groundwater remediation programs and budgets for 21 facilities in 8 countries. Obtained extensive experience in environmental and safety audits, risk assessments and litigation support. Consulted extensively with EPA on their Report to Congress on HF Safety mandated by the Clean Air Act Amendments of 1990. Led pollution prevention effort resulting in 60% waste reduction and \$1M annual savings.

Engineer/Supervisor (Variety of Locations)

1980-1990

- Responsible for operations and maintenance management of highly hazardous chemical operations, process design, safety, health and environmental compliance and research and development.

Education University of Notre Dame, BS Chemical Engineering – 1980

Licenses Professional Engineer Florida License #52097

Associations American Institute of Chemical Engineers

Shad P. Wilson, P.E.

Experience

Professional Engineer, Nelson Engineering Co.

September 2001 – Present

Develop Operation Plan and permit renewal application for class 3 landfill at Kennedy Space Center (KSC). Design and obtain permit for stormwater retention system adjacent to protected wetlands at KSC. Prepare Annual Operating Reports & Compliance Certifications for a variety of commercial hazardous air pollutant sources. Perform DEP file reviews & investigations for class 1, 2 & 3 landfills. Develop Engineering Reports & Operation Plans to obtain permits required for construction, modifications & operations for commercial clients that produce hazardous material and air pollutants. Develop & implement Groundwater Monitoring Plans. Manage geological testing of contaminated areas. Perform general hazardous waste consultation for facility operations.

Commissioning Authority for U.S. Embassy and Consulate construction projects totaling over \$400M. Managed commissioning program and developed equipment specifications, testing procedures and quality control for classified equipment in secure areas including, AHUs, chiller systems, BAS controls, pumps, potable water systems, electrical distribution, technical security, communication and fire protection systems. Schedule control and project management for entire program. Additional duties include project execution scheduling, design reviews, construction management and equipment inspections.

Operation and Maintenance (O&M) Authority for U.S. Embassy and Consulate construction projects totaling over \$600M. Responsibilities include reliability analysis during design phase, design reviews, submittal reviews, scheduling, O&M manual development, training record development, preventive maintenance program development, warranty program development, and computerized maintenance management program programming.

Construction Manager for Facility Engineering Department at U.S. Navy Atlantic Undersea Test and Evaluation Center (AUTEK) as a subcontractor to Computer Sciences Corporation (CSC). Perform Construction Management, design, cost estimation, scheduling, inspection, and engineering services for construction projects including military housing/barracks, interior remodeling and renovations, exterior military support structures, sanitary sewage distribution and treatment, and a boat ramp.

Perform Facility Condition Assessments of KSC and CCAFS facilities to identify maintenance requirements under subcontract to Space Gateway Support (SGS) as the KSC/CCAFS Joint Base Operations Support Contractor. Perform Navy Atlantic Undersea Test and Evaluation Center (AUTEK) facility condition assessments on Andros Island, Bahamas. Inspect structural, electrical, mechanical, plumbing and protective systems for critical and non-critical facilities. Perform Deferred Maintenance (DM) assessments of NASA owned facilities and equipment to assist in BMAR calculation and Congressional funding allocation. Perform DM assessments at KSC, Michoud Assembly Facility and Goddard Space Flight Center. Analyzing BMAR data to ensure recommended repair estimates are in proper relation to the Current Replacement Value of the assessed facilities.

Education University of Florida; Gainesville, FL
MS Business Management - 2001
BS Industrial and Systems Engineering - 2000: *Honors*

**Certifications/
Licenses** Florida Professional Engineer P.E. 67771, Secret Clearance, Certified in RCM Strategies Plus
Analysis Software by Equipment Links, Inc., Trained in RCM 2 Toolkit Analysis Software by
Strategic Technologies Inc., Predictive Testing and Inspection (PT&I)

Associations American Society of Industrial Engineers (ASIE) - 2000 - present

Joshua A. Bellotti, P.E.

Experience

Engineer/Project Manager at Nelson Engineering Co.

Feb 2002 - Present

Program Manager for Facilities Engineering at Atlantic Undersea Test and Evaluation Center (AUTEC), Andros Island, Bahamas. Directed a staff of twelve engineers conducting all base facilities engineering functions. Performed technical oversight, review and quality control of all engineering products, services and customer deliverables including designs and specifications, cost estimates, project schedules. Conducted program financial management and reporting, and contract administration. Led capital planning and programming efforts including Control Inspections, Facility Condition Assessments, the Annual Inspection Summary (AIS), Five Year Plan and Long Range Housing Plan. Directed and managed construction subcontractor performance and conducted commissioning and final acceptance. Executed up to 50 concurrent projects, \$5M in construction projects annually, while consistently meeting cost/technical/schedule performance objectives and monthly customer deliverables.

Design Engineer for St Johns County Stratton Road Transfer Station Leachate Collection System. Produced conceptual design plan for additions/repairs to the system to reduce quantities of Total Suspended Solids (TSS) and oils and grease and ensure the levels remain below the permitted standard. Conducted field investigation, technical research, conceptual analysis and cost estimate for repairs. Delivered conceptual design plan report, which served as the basis for the detailed design development.

Capital Asset Management planning for U.S. Dept. of Commerce at the National Institute of Standards and Technologies (NIST) in Gaithersburg, MD. Conducted Facility Condition Assessments (FCA) on all building, facility and utilities assets, including detailed assessments of mechanical and electrical subsystems. Conducted Sustainability Assessments of each building asset, identifying opportunities to improve building system efficiency, including payback period calculations. Identified deficiencies, generated RS Means cost estimates for repairs, and provided capital asset management planning database using facilities management software.

Provided mechanical system design engineering services for new Direct Load Hypergolic Propellant Transfer System for the Boeing Delta II launch vehicle second stage. Conducted field investigation of existing launch complex and mobile service tower; safety evaluation, environmental review and air permitting; design of hypergolic, process and pneumatic piping and panels; construction specifications for fuel and oxidizer cooling units and vapor scrubbers; cost estimates and parts list; and reliability, fault tree and hazard analyses. \$117K Design.

Performed environmental study for the 45th Space Wing, assessing their compliance at Patrick Air Force Base and Cape Canaveral Air Force Station with the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Reciprocating Internal Combustion Engines (RICE). The study findings and recommendations were utilized in preparing the 45th Space Wing's Title V permit renewal application.

Project Manager for Title I and II Engineering Services for \$1.2M upgrade to SpaceX Falcon 9 Launch Complex 40 at Cape Canaveral Air Force Station. Performed construction management and inspection, functional testing and formal turnover. Commissioned new electrical, HVAC and controls systems and equipment.

Project Manager for construction management agent (CMA) and commissioning agent (CxA) services to U.S. General Services Administration (GSA) customer for \$0.8M cooling towers replacement and controls upgrade at Fort Myers Federal Courthouse. Conducted design reviews, submittal evaluations, field inspection, performance testing, final turnover. Commissioned two new 250-ton cooling towers, 150-ton water-cooled chiller, hydronic piping system, 2,000-gallon rainwater harvesting system, building automation system and variable frequency drives.

Education University of Central Florida; Orlando, FL
BS Mechanical Engineering - 2004: *Graduate with Honors*

**Certifications/
Licenses** Florida Professional Engineer P.E. 70649

Associations

Terry L. Tullis, P.E., LEED AP

Experience

Engineer Nelson Engineering Co.

September 2005 - Present

Perform design, engineering analyses, technical evaluations, field studies, cost estimates, and environmental consulting services. Programs and responsibilities include:

- Perform environmental engineering compliance services for the Engineering Services Contract (ESC) at Kennedy Space Center (KSC), Florida. Developed Environmental Management Plan to define environmental policies, procedures, and guidelines for environmental compliance. Interpret, apply and manage environmental requirements with respect to all ESC operations.
- Perform Exit Environmental Baseline Surveys for United Launch Alliance (ULA) on Atlas V facilities at Cape Canaveral Air Force Station (CCAFS). Perform site investigations, personnel interviews, and research historical documentation to determine environmental conditions associated with the subject property.
- Performed estimate of remaining life and site plan modifications of the 4-Jays Landfill in DeBary, Florida. Calculated remaining life and capacity of the existing, constructed landfill and remaining capacity and site life of other permitted areas not yet constructed. Revised site plan to add landscaping and delineate stormwater grading based on topographic survey.
- Created Spill Prevention, Control, and Countermeasures (SPCC) Site-specific Plans for the ESC and Space Program Operations Contract (SPOC) at KSC, Florida. Site-specific Plans identified the requirements for the prevention, preparedness, and response to oil discharges and ensure compliance with the SPCC rules (40 CFR 112).
- Performed environmental study to Assess Condition of the KSC Space Station Processing Facility (SSPF) and Orbiter Processing Facilities (OPF) 1, 2 and 3 at KSC, Florida. Assessed facilities to determine condition and feasibility of using for future spacecraft assembly, processing and hazardous processing.
- Performed environmental design of Modifications to the Multi-Payload Processing Facility for BRPH Architects-Engineers, Inc. in support of NASA's Constellation Program. Performed comprehensive audit for environmental impact compliance, including water, air and natural resource permit applications. Developed project specifications to ensure environmental compliance by the construction Contractor.
- Performed environmental design for the Vehicle Assembly Building (VAB) Platforms Demolition and Design Project for BRPH Architects-Engineers, Inc. in support of NASA's Constellation Program. Developed AutoCAD drawings to identify location and quantities of hazardous materials. Developed project specifications to ensure the proper handling, management and disposal of hazardous materials and wastes.
- Performed energy audits for 12 of the General Services Administration (GSA), Region 8 Portal Stations. Performed thorough on-site inspections of major mechanical, electrical and plumbing systems and recommended modifications to improve energy efficiency and decrease environmental impacts based on LEED® principles.

Education University of Central Florida; Orlando, FL
BS Engineering - 2005

**Certifications/
Licenses** Florida Professional Engineer P.E. 73146
Green Building Certification Institute, LEED AP 10372552

Associations U.S. Green Building Council, Brevard Chapter
National Space Club Florida Committee

James D. Miles, LEED AP BD+C

Experience

Senior Engineer, Project Manager Nelson Engineering Co.

2002 - Present

Perform systems engineering analyses of critical flight hardware processing and ground support equipment at Kennedy Space Center (KSC) and Cape Canaveral Air Force Station (CCAFS) facilities.

- Perform environmental and occupational safety engineering services for the Safety, Health and Environmental group on the Engineering Services Contract (ESC) at KSC. Interpret, apply and manage environmental and safety requirements with respect to ESC operations.
- Perform environmental management compliance for United Space Alliance (USA) at KSC. Provide comprehensive multi-media environmental support consisting of compliance inspections per Resource Conservation and Recovery Act (RCRA) requirements and waste stream characterizations to determine presence of hazardous commodities and appropriate disposal direction.
- Participated on the Boeing/Northrop Grumman Orion CEV Phase I Team that developed the Ground and Training Systems (G&TS) Integrated Product Team (IPT) Ground Support Equipment (GSE) and Facilities System Requirements Specification (SRS). Developed requirements and verification statements for GSE and facilities based on spacecraft and CEV Program constraints. Perform Failure Modes and Effects Analyses (FMEA) and Fault Tree Analyses (FTA) on critical aerospace and military systems including the Short-Range Air-Launched Target (SRALT) air launch umbilical pull system for Coleman Aerospace, propellant loading systems for Lockheed Martin Technical Operations (LMTO) and launch pad environmental control systems on space launch complexes for Boeing.
- Perform logistics and engineering studies on ground infrastructure and utility systems to accommodate requirements of new aerospace programs including NASA's Orion and Space Launch System (SLS). Perform System Assurance Analyses (SAA) on the C5 Substation Alternate 2A Configuration and Vehicle Assembly Building (VAB) High Bay 2 and 3 Ares Launch Platforms.
- Perform design engineering analyses of critical flight hardware processing and ground support equipment at KSC and CCAFS facilities.
- Conduct Facility Condition Assessments (FCA) of NASA, NIST and Dept. of Defense owned facilities. Generate reports detailing the condition of facility systems and recommended repairs. Evaluated the VAB, SLC-39A/B and SLC-40 in preparation for the Orion CEV.

Manufacturing Process Engineer Visteon Corporation

2000 - 2001

Managed the Ford Focus, Windstar and F-Series heavy duty trucks blow-molded co-extruded fuel tank programs including current and new model designs and prototype development. Primary tasks:

- Generated deliverables per QS/ISO-9000 and the Production Part Approval Process guidelines by performing specification testing to meet government regulations and Ford requirements.
- Led continuous improvement of manufacturing processes and executed changes to resolve warranty issues, reduce cost and improve throughput.
- Executed construction projects requiring customer investments in excess of \$300,000. Managed construction of state-of-the-art equipment upgrades requiring planning and coordination of United Auto Workers (UAW) trades within expedited timeframes.
- Re-designed F-Series and Ranger Short Wheelbase assembly lines incorporating lean manufacturing and Synchronous Material Flow strategies.

Education University of Florida, Bachelor of Science, Mechanical Engineering – 1999
Certifications/ Licenses Leadership in Energy and Environmental Design Accredited Professional (LEED AP), U.S. Green Building Council (USGBC)
Certified Reliability-centered Maintenance (RCM) Analyst and Facilitator.
Associations Brevard Branch Chairman, USGBC Central Florida Chapter
Member, American Society of Mechanical Engineers
Member, National Space Club Florida

Douglas O'Neal Carter, P.E.

Experience

Senior Electrical Engineer – Nelson Engineering Company (NE)

2011-Present

Provide technical direction to NE's customers and staff in the field of electrical engineering. Highly knowledgeable in project assessment, scheduling, verification of NFPA 70 and 70E compliance, design review, certification and modeling of low voltage power systems. Extensive experience in the analysis of fault current, arc flash, selective coordination and equipment evaluation for low voltage power systems, cost estimation, configuration management and engineering support of projects from implementation to completion.

Lead Low Voltage Power Design Engineer – United Space Alliance

2006-2011

Lead engineer for the Kennedy Space Center (KSC) Launch and Recovery Systems low voltage power systems. Led design effort for KSC facility compliance with NFPA 70E. Facilities low voltage power systems were modeled using SKM software and analyzed for short circuit current, arc flash, protective device coordination and equipment evaluation. Reviewed analyses for NFPA 70 compliance and subsequently developed recommendations for the resolution/mitigation of any NFPA 70 violations. Used configuration management processes to maintain accurate facility SKM models. Lead engineer for KSC Low Voltage design group, consisting of six engineers. Responsibilities included the design and analysis of new and modification of existing low voltage power systems, coordination of design changes with all other disciplines involved. Facility environments included office, computer centers, industrial, Space Shuttle maintenance, Space Shuttle and ARES I-X assembly and launch complexes. As Lead engineer of KSC Low Voltage design group, was instrumental in development of group engineering staff. Provided technical direction and support, including review of staff assignments, resolving technical issues, and serving as design interface with project management, subcontractors and customer.

Lead Hazardous Gas Detection Design Engineer - United Space Alliance

1990 – 2011

Lead design engineer for the Kennedy Space Center's Launch and Recovery hazardous gas and hydrogen fire detection systems. Provided project assessment, design, scheduling, requirements verification, design review and certification, project scheduling, configuration management and design engineering support of projects from implementation to completion.

Education

University of Central Florida - BS Electrical Engineering – 1989

Certifications/Licenses

Professional Engineer Florida License #53991

Bryant O. Smith III, E.I.

Experience

Engineer, Nelson Engineering Co.

October 2011- Present

Perform cost segregation studies, cost engineering, calculations, field surveys, and technical report preparation.

Staff Engineer, Environmental Services Group

Professional Service Industries, Inc.

May 2011-October 2011

Traveled to various sites to perform field work and collect environmental samples. Composed and reviewed reports detailing findings and remediation actions for customers. Carried out ground water monitoring programs, environmental site assessments, and soil-gas investigations. Gained a familiarization with various State environmental and health regulations and their project impact.

Construction Management Intern

Jacobs Engineering Group Inc.

June 2010-August 2010

Performed Independent Government Estimates (IGE) to verify general contractor's estimate by cost analysis. Compiled Field Observation Reports and Change Order Requests. Referenced Critical Path Method Schedule (CPM) to determine job progress and decision deadlines. Completed on-site inspections to verify actual construction with project specifications. Reviewed and posted Requests for Information (RFI) into corresponding plan locations.

Education University of Florida,
BS Civil Engineering – 2010

Certifications/ Engineering Intern, License Number: 1100015344
Licenses 40 Hour HAZWOPER

Associations American Society of Civil Engineers (ASCE) - 2008 - present



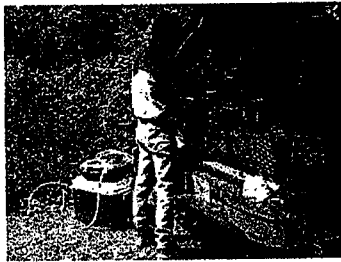
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3.0 Project Approach

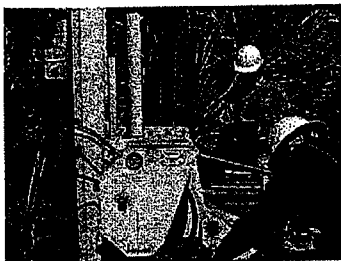
In general there are essentially two types of project work for the County that requires two separate types of project approaches. The first is field work, such as sampling and analyses, which requires preparation prior to going to the site. The second is engineering/analytical office work which requires data analyses and interpretation, design skills and software and the ability to prepare reports, permit applications and other documents such as construction drawings, specifications and cost estimates.



Field Methods

Nelson Engineering Co. has the field method expertise for the required scope of work in RFQ #12-06 through our previous work at the Tillman Ridge Phase I and II landfills and our 25 years of experience with identical landfill projects. We also have the most current hardware and software in the industry for to complete our field work because our field equipment and software is upgraded every 2 to 3 years to ensure we own the latest technology. Our most recent field equipment upgrade took place in October 2011 with the purchase of all new field monitoring and testing instruments for water quality monitoring. The software upgrades for the instruments, including AutoCAD, are kept current and automatically provide the required record keeping and calibration data used for all semiannual monitoring events.

The fundamental project approach Nelson Engineering Co. has successfully employed, and will continue to employ, for the required field work is as follows:



1. Perform a complete review of the previous field and laboratory results, and permits, and client needs to obtain a complete understanding of past history of the project, current issues, and client goals including budget.
2. Evaluate budget and job costs to identify any potential cost-savings for client that do not affect goals or quality of work.
3. Complete a field checklist, establish a schedule (including weather updates), and coordinate all required field activities with laboratories, well drillers, or other vendors required for the project. Assess and identify or anticipate possible problems, delays, or obstacles with respect to site access, testing locations, and plan accordingly with a backup plan if deemed necessary.





4. When laboratory analyses is required, requisition and coordinate receipt of all required field sampling kits with the County's laboratory vendor (currently Columbia Analytical Services, Inc.) by specifying the size and number of coolers, size and type of pre-preserved and pre-labeled sample bottles with monitoring well and surface water identifications. Kit requisitions by Nelson Engineering Co. are site-specific in order to minimize client costs.
5. Mobilize team members and equipment using the completed checklist. Complete the required calibration of all field equipment in the office. Conduct final coordination and meeting location with client and vendors as necessary. Check all sample kits for accuracy and adjust if necessary.
6. Travel safely to the site and the pre-established meeting location and perform a tailgate safety meeting to discuss work practices, objectives, requirements, machinery, tools, equipment, materials, attitudes and other items to promote a safe work place and foster the importance of placing SAFETY FIRST.
7. Conduct all required field work in accordance with the pre-established plans and specifications including all QA/QC requirements. Document all field work including any alternate or backup plans and/or change orders.
8. Safely demobilize all team members and equipment upon completion of all field work. Ensure the safe and proper handling and transport of all environmental samples in accordance with all QA/QC requirements.
9. Return safely to the office and perform required equipment maintenance, cleaning, and decontamination as necessary. Backup, file, and upload field data.
10. Implement engineering/analytical office work to analyze, interpret, and process all field data in accordance with Office Methods.

Office Approach

The fundamental project approach Nelson Engineering Co. uses for the engineering/analytical work is:





1. Obtain a complete understanding of past history of the project, current issues, and customer desires and objectives.
2. Analyze and interpret the existing data for reasonableness and data integrity. Data should not just be reported without a solid understanding of its contextual meaning.
3. Based on the data, prepare the draft engineering product that is needed (e.g. engineering report, permit application, design package, etc.).
4. Perform internal QA/QC process against the engineering product (see section 4.0)
5. Submit engineering product to customer, regulatory agency or others based on required delivery.

As an engineering company, item 2 above is very important on all projects. In the solid waste engineering business it is even more crucial. We have seen far too many other companies submit data to regulatory agencies, and others, without full comprehension of the meaning of the data. This has caused initiation of corrective actions by FDEP requiring solid waste entities to spend significant funds. Our history with St. Johns County is a classic example. Prior to the County retaining Nelson Engineering Co., the previous consultant company was not properly analyzing and interpreting the data relating to vertical flow rates of the groundwater at Tillman Ridge. As documented in Section 1.1.1 Nelson Engineering Co. saved the County hundreds of thousands of dollars by properly interpreting and analyzing the field data.

In preparing our engineering documents Nelson Engineering Co. uses the following software:

- MS Office (Word for reports, Excel for tables and graphs)
- Canvas (figures)
- AutoCAD (full size engineering drawings)
- SpecsIntact (construction specification development)
- RSMeans ® (cost estimation software)
- CREO (ProE) (mechanical design and modeling)
- MODFLOW (groundwater modeling software)





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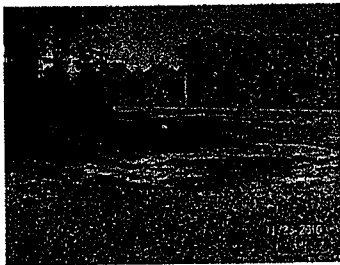
4.0 Quality Control

For a project of this type there are two types of quality control:

- Quality control for field activities that include groundwater sampling and well (monitoring, remedial extraction and injection) installations
- Engineering product quality control. Engineering products include items such as design engineering (plans and specifications), reports, and permit applications

Field Work - Quality Assurance/Quality Control (QA/QC)

For the *semiannual water quality monitoring* and *biennial water quality reports* required in RFQ #12-06, Nelson Engineering Co. adheres to the following QA/QC requirements:



- Standard Operating Procedures (SOPs) promulgated by the Florida Department of Environmental Protection (DEP SOP-001/01) and the quality assurance rule Chapter 62-160 Florida Administrative Code;
- Specific conditions listed in each of the solid waste permits for the closed Tillman Ridge Phase I and II landfills;
- Nelson Engineering Co.'s *Environmental Field Quality Sampling Plan* (last revised November 2011) which contains procedures and field methods for additional quality assurance and quality control.

Prior to field deployment, all field instruments are calibrated in accordance with the QA/QC requirements bulleted above and in accordance with manufacturer specifications. The chosen calibration standards bracket the historical ranges for field pH/ORP, conductivity, temperature, dissolved oxygen, and turbidity. Instrument calibration verification is performed daily (initial, continuing, and end modes) during monitoring events to assure accurate measurements and documented in accordance with quality control requirements. Instrument maintenance is performed daily and documented in accordance with DEP SOPs, our *Environmental Field Quality Sampling Plan*, and manufacturer specifications to insure reliable use and accurate readings.

Field sampling of ground water and surface water is performed in accor-





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dance with the QA/QC requirements bulleted above. Our implementation of micro-purging techniques minimizes the amount of purge water generated as well as minimizes air bubbles and turbidity, thereby reducing false positive readings. We also employ additional field QA/QC methods. For example, measuring water levels twice and field-mapping this data usually mitigates additional trips to the field and saves the client money.

Field quality control samples, such as blank and duplicate samples, are collected as necessary to measure the monitoring event to ensure the collected samples are representative of the sample source. The purpose of field collected blank samples, such as pre-cleaned equipment blanks, field blanks, trip blanks, is to demonstrate the samples have not been contaminated by external sources such as the environmental, equipment, bottles, and transport containers. Field duplicate samples are also collected as necessary to measure variability in the sampling process.

All collected environmental samples are properly bottled with preservation checks and properly stored on wet ice, through handling and transport until final receipt by the laboratory, which is verified electronically. Documentation of each monitoring event, including chain of custody, sampling logs, and custody seals, is maintained for each monitoring event.

All laboratory reports received by Nelson Engineering Co. are reviewed in detail and include checks to ensure all samples were analyzed for the parameters specified in the permit, proper laboratory methods and method detection limits which meet current state limits were used, and samples were analyzed within the required hold times. The QC section of each laboratory report is also reviewed to determine acceptability with respect to the correct use of blanks, laboratory control standards, matrix spikes and matrix spike duplicates, including values reported recovery and relative percent differences.

The laboratory results also processed using Florida DEP *Automated Data Processing Tool (ADaPT)* software (automates the review of the data for accuracy and consistency) and ADaPT Electronic Data Deliverables (EDDs) are also reviewed prior to submittal to the regulatory agency.

Laboratory results are compared to current ground water and surface water quality standards enforced by the State of Florida. Any water quality exceedences are summarized on a table and agency notification for re-sampling (if required) is submitted in accordance with permit requirements.

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The *storm water system inspections and certifications* are performed by first reviewing the original designs and environmental resource permits and then performing the inspections to ascertain compliance as well as identify any deficiencies. All physical inspections of the systems are photographically documented with date-stamps.

As there is no field work associated with the *financial assurance cost estimating, adjustments, & certifications*, this scope of work is performed in accordance with our engineering product quality control described below.

Engineering Product Quality Control

Nelson Engineering Company's internal Quality Control Program consists of a three-step process. The first step involves a thorough redline review of an employees' work to ensure the work performed and results achieved are clear and understandable to the intended audience. The employee validates technical details, verifies ground rules and assumptions, and ensures the technical product meets the deliverable requirements noted in the project's Scope of Work (SOW). The employee also ensures the deliverable meets mandated reporting requirements and formats.

The second step consists of a Lead review. The Lead reviews the project's technical deliverables to ensure the work meets the SOW requirements as defined by the Program Management Plan (PMP). The Lead review focuses on verifying technical accuracy, satisfactory reporting compared to the SOW and proper report formatting as defined by the client. For large projects, the process is typically iterative and involves electronic markups and comments that show changes made or required. Once all issues are reconciled, the deliverable receives a final review.

Nelson Engineering's Professional Engineers (PE) performs the third and final step in the review process. The PE monitors the performance of all company projects by interfacing with each Lead through routine informal discussions and structured program reviews to gauge project performance and provide management direction on issues. The PE review has a focus similar to the Lead review with an emphasis on ensuring the deliverable is client-ready per best practices. The PE review verifies no open issues remain and all document formatting and connectivity between narratives, figures, tables and appendices is flawless.





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5.0 Schedule and Availability

As the incumbent that is currently performing this work, we obviously have sufficient staff capacity to perform the work. If we were not to retain this work we would end up with excess capacity to perform other projects. All our office staff will come from our main Merritt Island office for the work with the County.

For St. Johns County we have always met specific deadlines established by the existing permitted conditions for the County's permits or timelines set when new/additional work is required by consent order or taskings from FDEP or St. Johns County Utilities.





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6.0 References

The following table provides references for Nelson Engineering Co. solid waste projects as well as other projects the company is performing or has performed in the past over the last five (5) years.

Name & Title	Telephone #	Project Name & Relationship
<i>St. Johns County</i> Ms. Wendy Manuoy Solid Waste Manager	(904) 827-6982	<i>St. Johns County Solid Waste</i> Design, Permitting, Storm Water Certification, Financial Assurance, Water Quality Monitoring
<i>City of Daytona Beach</i> Mr. Tim Fauvelle Solid Waste Manager	(386) 671-8611	<i>Clyde Monte C&D Landfill - Daytona</i> <i>Beach, FL</i> Design, Permitting, Storm Water Certification, Financial Assurance, Water Quality Monitoring
<i>WastePro of Florida</i> Mr. Mc Williams Solid Waste Manager	(850) 428-1046	<i>Site Manager for six WastePro</i> <i>Landfills in the Florida Panhandle</i> Permitting, Water Quality Monitoring, Storm Water Certification, Financial Assurance
<i>Florida Recycling, Inc.</i> Mr. Matthew Carmody Owner/Agent	(773) 233-8969	<i>Monex and FRP Landfills -</i> <i>Homossee Springs, FL</i> Design, Permitting, Storm Water Certification, Financial Assurance, Water Quality Monitoring
<i>Cash Enterprises, LLC</i> Mr. Eric Cash Owner	(770) 433-2484	<i>Coastal Landfill - Hudson, FL</i> Design, Permitting, Storm Water Certification, Financial Assurance, Water Quality Monitoring
<i>United Launch Alliance</i> Mr. Frank Beckage Environmental Manager	(321) 730-4794	<i>United Launch Alliance</i> Water Quality Monitoring, Contamination Assessments, Environmental compliance, multi- media permitting
<i>United Space Alliance</i> Mr. Charlie Venuto Environmental Manager	(321) 867-9965	<i>United Space Alliance</i> Environmental compliance, multi- media permitting (haz waste, industrial wastewater, air, stormwater, potable and domestic wastewater)
<i>Computer Science Corp</i> Mr. George Lechler Public Works Manager	(561) 855-5155 ext 6268	<i>AUTEC Program Andros Island,</i> <i>Bahamas Orlando, FL</i> Engineering design, project management, construction management, facility operations maintenance engineering
<i>NASA</i> Mr. Gus Diaz Facilities Services Branch Chief	(321) 867-0471	<i>NASA Kennedy Space Center</i> Facilities Management Engineering





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7.0 Administrative Information

A. SF 330 Part II – attached on following page

B. Business Licenses, Certificate of Authorization and Copies of Registrations of Professionals on Project Team are provided on the following pages.



ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (if any)
RFQ #12-06

PART II – GENERAL QUALIFICATIONS

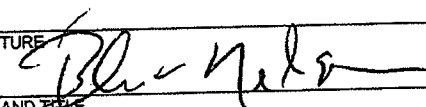
(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME Nelson Engineering Co.			3. YEAR ESTABLISHED 1993	4. DUNS NUMBER 824910319
2b. STREET 5335 North Courtenay Parkway			5. OWNERSHIP	
2c. CITY Merritt Island	2d. STATE FL	2e. ZIP CODE 32953	a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE Blain Nelson, President			b. SMALL BUSINESS STATUS Small, Woman-owned	
6a. TELEPHONE NUMBER (321) 449-1128		6c. E-MAIL ADDRESS b.nelson@NelsonEngrCo.com		
8a. FORMER FIRM NAME(S) (if any)			8b. YR. ESTABLISHED	8c. DUNS NUMBER

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	2	2	B01	Barracks; Dormitories	2
04	Aeronautical Engineer	1	1	C15	Construction Management	3
08	CADD Technician	2	2	E03	Electrical Studies and Design	4
10	Chemical Engineer	1	1	E12	Environmental Remediation	3
12	Civil Engineer	4	4	F03	Fire Protection	3
18	Cost Engineer/Estimator	2	2	H04	HVAC	3
19	Ecologist	1	1	M07	Missile Facilities	3
21	Electrical Engineer	11	11	P01	Petroleum Exploration	1
22	Electronics Engineer	3	3	P07	Plumbing & Piping Design	2
23	Environmental Engineer	3	3	P12	Power Generation, Distribution	3
25	Fire Protection Engineer	1	1	R06	Rehabilitation of Facilities	3
30	Geologist	1	1	S04	Sewage Collection & Disposal	2
42	Mechanical Engineer	12	12	S07	Solid Wastes; Landfill	4
51	Safety/Occ Health Engineer	1	1	W03	Water Supply Distribution	2
57	Structural Engineer	2	2			
Total		47	47			

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER			
a. Federal Work	6	1. Less than \$100,000	6. \$2 million to less than \$5 million	7. \$5 million to less than \$10 million	8. \$10 million to less than \$25 million
b. Non-Federal Work	6	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million	9. \$25 million to less than \$50 million	10. \$50 million or greater
c. Total Work	6	4. \$500,000 to less than \$1 million	5. \$1 million to less than \$2 million		

12. AUTHORIZED REPRESENTATIVE
The foregoing is a statement of facts.

a. SIGNATURE  b. DATE
Nov 17, 2011

c. NAME AND TITLE
Blain Nelson, President

State of Florida

Board of Professional Engineers

Nelson Engineering Co



Is authorized under the provisions of Section 471.01, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

Certificate of Authorization

EXPIRATION: 2/28/2013

AUDIT NO: 228201300163

CA. LIC. NO:

6822

2011 - 2012

BREVARD COUNTY BUSINESS TAX RECEIPT
SUBJECT TO COUNTY ZONING RESTRICTIONS
TAX RECEIPT SHOULD BE DISPLAYED ON PREMISES

ACCOUNT NO.
9310564

THE PERSON(S), OR ENTITY BELOW:

NELSON ENGINEERING CO
5335 N COURTENAY PKWY
MERRITT ISLAND FL 32953

BUSINESS PERIOD: OCTOBER 1, 2011 - SEPTEMBER 30, 2012
EXPIRES: SEPTEMBER 30, 2012

ISSUED PURSUANT AND SUBJECT TO FLORIDA STATUTES AND BREVARD COUNTY CODE ISSUANCE DOES NOT CERTIFY COMPLIANCE WITH ZONING OR OTHER LAWS. BUSINESS TAX RECEIPT IS SUBJECT TO REVOCATION FOR ZONING VIOLATIONS, AND / OR FAILURE TO MAINTAIN REGULATORY PRE-REQUISITES AS REQUIRED FOR BUSINESS CLASSIFICATION(S), OR SUBSEQUENT ACTIVITIES. NOTIFY TAX COLLECTOR UPON CLOSING OF BUSINESS. A PERMIT IS REQUIRED TO ADVERTISE (including with signage) "GOING OUT OF BUSINESS".

LOCATION:

5335 N COURTENAY PKWY
UNINCORP. MERR. ISL., FL 32953

LISA CULLEN, CFC, Brevard County Tax Collector
P O Box 2500, Titusville, Florida 32781-2500
(321) 264-6910

**UPON A CHANGE OF OWNERSHIP OR LOCATION,
BUSINESS TAX RECEIPT SHOULD BE TRANSFERRED WITHIN 30 DAYS.**

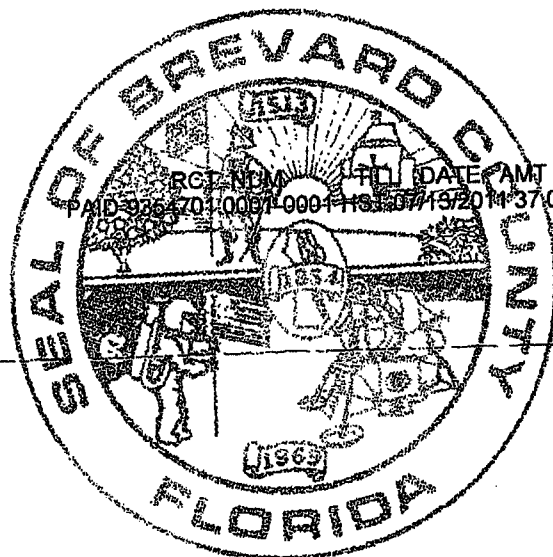
OWNED BY:

NELSON ENGINEERING CO

BUSINESS CLASSIFICATIONS, DISCLAIMERS, AND RELATED FEES:

EXEMPTIONS: NON EXEMPT

	PENALTY:	\$.00
460150	ENGINEER	
820005	2011 - 2012 RECEIPT AMT	\$37.00



BRANCH OFFICES: Merritt Island Office, 1450 N. Courtenay Pkwy, Merritt Island, FL 32953
Melbourne Office, 1515 Sarno Road, Melbourne, FL 32935
Palm Bay Office, 450 Cogan Dr. SE, Palm Bay, FL 32909

MAIN OFFICE: 400 South St., 6th Floor, Titusville, FL 32780 (321) 264-6910, (321) 633-2199, ext. 46910

FLORIDA DEPARTMENT OF STATE DIVISION OF CORPORATIONS

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Detail by Entity Name

Florida Profit Corporation

NELSON ENGINEERING CO.

Filing Information

Document Number P93000036117
FEI/EIN Number 593183878
Date Filed 05/17/1993
State FL
Status ACTIVE
Last Event AMENDMENT
Event Date Filed 06/05/2008
Event Effective Date NONE

Principal Address

5335 NORTH COURTENAY PARKWAY
MERRITT ISLAND FL 32953

Changed 01/08/2008

Mailing Address

5335 NORTH COURTENAY PARKWAY
MERRITT ISLAND FL 32953

Changed 01/08/2009

Registered Agent Name & Address

NELSON, BLAIN L
5335 NORTH COURTENAY PARKWAY
MERRITT ISLAND FL 32953 US

Address Changed: 01/08/2008

Officer/Director Detail

Name & Address

Title DTS

NELSON, ANNETTE I
3655 BELLE ARBOR CIRCLE
TITUSVILLE FL 32780

Title DP

NELSON, BLAIN L NELSON
3655 BELLE ARBOR CIRCLE
TITUSVILLE FL 32780

2011 FOR PROFIT CORPORATION ANNUAL REPORT

FILED
Jan 06, 2011
Secretary of State

DOCUMENT# P93000036117

Entity Name: NELSON ENGINEERING CO.

Current Principal Place of Business:

New Principal Place of Business:

5335 NORTH COURTENAY PARKWAY
MERRITT ISLAND, FL 32953

Current Mailing Address:

New Mailing Address:

5335 NORTH COURTENAY PARKWAY
MERRITT ISLAND, FL 32953

FEI Number: 59-3183878 FEI Number Applied For () FEI Number Not Applicable () Certificate of Status Desired (X)

Name and Address of Current Registered Agent:

Name and Address of New Registered Agent:

NELSON, BLAIN L
5335 NORTH COURTENAY PARKWAY
MERRITT ISLAND, FL 32953 US

The above named entity submits this statement for the purpose of changing its registered office or registered agent, or both, in the State of Florida.

SIGNATURE: _____

Electronic Signature of Registered Agent

_____ Date

OFFICERS AND DIRECTORS:

Title: DTS
Name: NELSON, ANNETTE I
Address: 3655 BELLE ARBOR CIRCLE
City-St-Zip: TITUSVILLE, FL 32780

Title: DP
Name: NELSON, BLAIN L NELSON
Address: 3655 BELLE ARBOR CIRCLE
City-St-Zip: TITUSVILLE, FL 32780

Title: DV
Name: SERINGER, CAROLYN S
Address: 3413 GATWICK MANOR LANE
City-St-Zip: VIERA, FL 32940

I hereby certify that the information indicated on this report or supplemental report is true and accurate and that my electronic signature shall have the same legal effect as if made under oath; that I am an officer or director of the corporation or the receiver or trustee empowered to execute this report as required by Chapter 607, Florida Statutes; and that my name appears above, or on an attachment with all other like empowered.

SIGNATURE: BLAIN NELSON

DP

01/06/2011

Electronic Signature of Signing Officer or Director

_____ Date

Remove your new Pocket Certificate from the receipt portion and carry it with you at all times.

Board for Professional Engineers and Land Surveyors
2535 Capitol Oaks Drive, Suite 300
Sacramento, CA 95833-2944
916 263-2222

CUT HERE

BOARD FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS
2535 CAPITOL OAKS DRIVE, SUITE 300
SACRAMENTO, CA 95833-2944
916 263-2222



CUT HERE

IMPORTANT

1. Please include your Certificate Number on any correspondence to this office.
2. Notify the Board of any name or address change in writing.
3. Report any loss of this Certificate immediately in writing to the Board.
4. Please sign and carry the Pocket Certificate with you.
5. Please laminate your Certificate to avoid deterioration.

CERTIFICATE NO.
C 36945

CIVIL ENGINEER

EXPIRATION:
06/30/12

BLAIN LYLE NELSON
3655 BELLE ARBOR CIRCLE
TITUSVILLE FL 32780

Signature *Blain Lyle Nelson*

RECEIPT NO.
01856016

BLAIN LYLE NELSON	EXPIRATION DATE	RECEIPT NO.
C 36945	06/30/12	01856016

This is your receipt. Please save for your records.

PRRC 01/31/00

4952356

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL GEOLOGISTS

SEQ# LI005036072

DATE	BATCH NUMBER	LICENSE NBR
05/03/2010	090425137	PG2098

The PROFESSIONAL GEOLOGIST
Named below IS LICENSED
Under the provisions of Chapter 492 FS
Expiration date: JUL 31, 2012

NOVOKOWSKY, MARK ANTHONY
12917 WATER POINT BOULEVARD
WINDERMERE FL 34786

CHARLIE CRIST
GOVERNOR

DISPLAY AS REQUIRED BY LAW

CHARLIE LIEM
INTERIM SECRETARY

