

TASK ORDER APPROVAL FORM

CONTRACT #: C19-2745

TASK ORDER #: 25

TASK ORDER AMOUNT: \$95,655.00 Lump Sum

CONTRACT #: **C19-2745-PW**

AVCON, INC.

GENERAL ENGINEERING SERVICES

EXPIRES: 09/30/2023

OFFERED BY CONSULTANT:

Avcon, Inc.

FIRM'S NAME

Virgil C. "Lee" Lewis, P.E.

REPRESENTATIVE'S PRINTED NAME


SIGNATURE

Vice President

TITLE

January 28, 2022

DATE

RECOMMENDED FOR APPROVAL (Department Director)

Jason T. Autrey, P.E.,
C.P.M.

Digitally signed by Jason T.
Autrey, P.E., C.P.M.
Date: 2022.03.09 08:50:28 -06'00'

SIGNATURE

TITLE

DATE

APPROVED BY OKALOOSA COUNTY (Per Purchasing Manual) Table 1

Jeffrey A
Hyde

Digitally signed by Jeffrey
A Hyde
Date: 2022.03.09 09:56:29
-06'00'

PURCHASING MANAGER

DATE

Faye Douglas

Digitally signed by Faye Douglas
Date: 2022.03.09 11:22:00 -06'00'

OMB Director/DATE

DATE

John Hofstad

Digitally signed by John Hofstad
Date: 2022.03.10 09:22:40 -06'00'

COUNTY ADMINISTRATOR (if applicable)

DATE

CHAIRMAN (if applicable)

DATE



AVCON, INC.

Engineers & Planners

320 Bayshore Drive, Suite A
Niceville, Florida 32578
Phone: (850) 678-0050
www.avconinc.com

January 28, 2022

Mr. Scott R. Henson
Public Works Program Manager
Okaloosa County Public Works—South Office
84 Ready Avenue
Fort Walton Beach, Florida 32548

Reference: Proposed Task Order (Revised)
2021 Remedial Action Plan Design Services, Niceville Landfill
Okaloosa County Contract C19-2745-PW

Dear Scott:

Please find enclosed two (2) signed originals of the revised Task Order for Remedial Action Plan (RAP) design services associated with the Niceville Landfill for your review and consideration. AVCON will again be supported by AECOM Technical Services, Inc. for this effort. Fees for this task authorization total \$95,655.00 (lump sum).

With your concurrence, please coordinate approval of the Task Order and return one (1) fully executed set at your earliest convenience. On behalf of Ms. Amy R. Nixon of AECOM, we look forward to working with you and your staff to best serve the County in completing this project.

If you have any questions, please do not hesitate to contact us at your convenience.

Sincerely,

AVCON, INC.

A handwritten signature in black ink, appearing to read "V. Lee", written over a horizontal line.

Virgil C. "Lee" Lewis, P.E.
Vice President

Enclosures



AVCON, INC.
Engineers & Planners

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Niceville, Florida 32578
Phone: (850) 678-0050
Fax: (850) 678-0040
www.avconinc.com

TASK ORDER SUMMARY

**Professional Consulting Services
Okaloosa County Public Works**

Task Order No.: _____

AVCON Project No.: 2021.0125.04
Date: January 28, 2022

AVCON, INC., a Florida Corporation (hereinafter "CONSULTANT") agrees to perform and complete the following services (hereinafter "Services") for Okaloosa County Public Works (hereinafter "COUNTY"), in accordance with the terms and conditions of the Agreement for Consulting Engineering Services (Contract No.: C19-2745-PW), dated November 6, 2018 and amended September 7, 2021, all of which terms and conditions are incorporated herein by reference.

1. **Task Location:** Niceville Landfill, Okaloosa County, Florida
2. **Task Name:** 2021 Remedial Action Plan Design Services, Niceville Landfill
3. **Task Description:** CONSULTANT shall perform the scope of services specified in Exhibit "A" dated October 24, 2021 (4 pages) and attached hereto.
4. **Compensation:** For the work performed, the CONSULTANT shall be compensated on a Lump-Sum basis. The total lump-sum fee is **Ninety-Five Thousand, Six Hundred Fifty-Five and 00/100 Dollars (\$95,655.00 L.S.)**.

Progress payments for the COUNTY authorized tasks shall be made on a percent-complete basis as work is completed.



AECOM
150 North Orange Avenue
Orlando, Florida 32801
www.aecom.com

407.843.6552 tel
407.839.1789 fax

EXHIBIT A (4 pages)

Via Electronic Mail

October 20, 2021

Mr. Lee Lewis
AVCON Engineers & Planners
320 Bayshore Drive, Suite A
Niceville, FL 32578

Re: Proposal to Perform 2021 Remedial Action Plan Design Services, Niceville Landfill

AECOM Technical Services, Inc. (AECOM) is pleased to provide AVCON Engineers & Planners (AVCON) with this proposal to perform engineering services associated with the design of the new concept of the Remedial Action Plan (RAP) for the Niceville Landfill (NLF) (WACS ID Number 9063 / Permit Number 0078402-006-SF).

BACKGROUND

The original Remedial Action Plan (RAP) was submitted by Dewberry Engineers, Inc. (Dewberry) on October 24, 2019 for the NLF. This RAP included design drawings for an interceptor trench aimed at achieving the remedial action objective (RAO) of compliance with State and Federal surface water standards for the unnamed, northern stream at the NLF. Since the submittal of the Dewberry design, AECOM has submitted two supplemental documents addressing some requests for additional information from the Florida Department of Environmental Protection (FDEP).

After submittal of the last supplemental design document to FDEP on May 14, 2021, Okaloosa County (the County) asked AECOM to develop a new design concept. The new concept suggested by the County will require significantly less land clearing and grading and should be easier to construct and maintain. This cost proposal includes the scope of services and associated costs to complete the design of this new concept which will become the new RAP for the Niceville landfill.

SCOPE OF SERVICES

The new RAP includes the installation of a series of recovery wells and treatment ponds along the approximate previously proposed alignment of the interceptor trench in the original Dewberry design. The system of recovery wells (RWs) will be designed with the intent of intercepting groundwater that is believed to be discharging unacceptable levels of iron into the unnamed stream lying immediately north of the landfill. Groundwater from each RW will be discharged into a series of treatment ponds to facilitate aeration and precipitation of the iron. A settling basin will be constructed downstream of the last treatment pond with the objective of allowing the remaining precipitated iron to settle prior to discharging into the unnamed northern stream.

The following tasks will be required to complete this design:

Task 1 - Geotechnical Investigation and Recovery Well Installation

AECOM will oversee a geotechnical investigation that will include the construction of a minimum of four soil borings. At least three of these borings will be shallow, and one boring will be deep.

Shallow Borings

A minimum of three soil borings will be advanced to a total depth of approximately 20-feet below land surface (bls). Each of these soil borings will be converted to a temporary piezometer installed to a depth at least 5 feet below the water table. The goal of these borings will be to obtain geotechnical information on the soils and assess the potential presence of suitable fill for pond embankments. The temporary piezometers installed at each boring location will provide important water level data during the pump test described in Task 2. The cost for the construction of these shallow borings is based on a daily rate, so extra borings within the two days will not cost extra. However, there is a charge of \$350.00 per piezometer. This proposal assumes four piezometers (total of \$1,400.00).

Deep Boring / Well

The deep boring will extend down to approximately 80-feet bls. Geotechnical information will also be collected during construction of this boring. The main objective of this boring is to get an estimate of the thickness of the saturated layer down to the first confining layer. The boring will then be converted to a 6-inch diameter recovery well which will be used for a pump test (Task 2) during design and ultimately used as a recovery well in the completed pump and treat system. The recovery well will be completed with 40 feet of stainless-steel screen to allow for vigorous cleaning of the well as needed moving forward.

Task 2 – Pilot Test Plan and Pumping Test Implementation

Following the installation of the well during the geotechnical investigation, AECOM will conduct a pump test. The pump test will be conducted for 24-hours. The goal of the pump test is to obtain data for spacing of the RWs, and sizing of the ponds and ditches.

This proposal assumes FDEP will approve a Pilot Test Plan, so the recovered groundwater can be discharged on site. One of the conditions of the Pilot Test Plan is to discharge within the zone of discharge, which is understood to be within the landfill lease lines. AECOM will consult with the County to assess a good place to discharge that will not cause significant erosion or other issues. However, this proposal assumes the discharge point will be relatively close to the testing location. Based on AECOM's conversations with FDEP, it is understood that iron testing of the recovered water at the mid-point and at the end of the test will be required when following the approved Pilot Test Plan.

Task 3 - RAP Completion and Approval Coordination

AECOM will use existing survey data (from online sources), and the information from the geotechnical investigation and subsequent pump test to design the pump and treat system. The results of the pump test will help assess the realistic pumping rates and spacing of the recovery wells. Factors considered in the design of the pond system include the existing topography, expected flowrates from the recovery wells, treatment time, maximum flow through velocities, and capacity to convey flow during the 100-year storm.

Coordination of design approval by FDEP and by Eglin and their review agencies will be conducted as part of this task.

Deliverables

Two sets of design drawings will be provided. The first set will be slightly more detailed than conceptual and be considered 30% design drawings. This initial set will be provided to FDEP along with a technical memorandum and some preliminary calculations with the goal of informing FDEP of the assumptions and objectives of the new RAP design. The second set will be a final set of design drawings for construction. Both sets of drawings will be provided to Okaloosa County for review prior to submitting to FDEP.

COST ESTIMATE AND INVOICING

AECOM will conduct this work for a not to exceed contract value of **\$91,100**. Invoices will be prepared monthly on a percent complete basis. For evaluation purposes, per task costs are shown in the table below.

Table 1: Cost Estimate

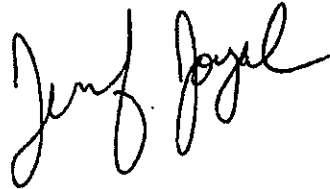
Task	Cost
Task 1: Geotechnical Investigation and Recovery Well Installation	\$37,100
Task 2: Pilot Test Plan and Pumping Test Implementation	\$18,300
Task 3: RAP Completion and Approval Coordination	\$35,700
Total:	\$91,100

AECOM will commence work upon receipt of written notice to proceed and execution of a subcontract agreement with AVCON. AECOM appreciates the opportunity to propose on this project. If there are any questions or comments regarding this proposal, please do not hesitate to call. We look forward to continuing our working relationship with AVCON and Okaloosa County.

AECOM Technical Services, Inc.



Amy R. Mixon, P.E.
Project Engineer



Jennifer Joyal, P.E.
Southeast Remediation Leader
US, Environment

Mr. Lewis
October 20, 2021
Page 4 of 4

Authorization to Proceed

I hereby authorize AECOM Technical Services, Inc. ("AECOM") to proceed with the scope of work for the Niceville Remedial Action as described in AECOM's proposal dated October 20, 2021, with a budget authorization of \$91,000 under the agreement between AVCON and AECOM Technical Services, Inc.

Signature

Date

Print Name

Title/Organization

I agree to accept invoices from AECOM via email and not postal mail:

☐ Yes

Signature: _____

Email address: _____

Recipient Mr./Ms.: _____

Return to:

Name: _____

Address: _____

Fax: _____

Phone: _____

TASK ORDER APPROVAL FORM

CONTRACT #: C19-2745-PW

TASK ORDER #: 26

TASK ORDER AMOUNT: \$ 98,450.00 LS

CONTRACT #: C19-2745-PW

AVCON, INC.

GENERAL ENGINEERING SERVICES

EXPIRES: 09/30/2023

OFFERED BY CONSULTANT:

AVCON, INC.

FIRM'S NAME

Virgil C. "Lee" Lewis, P.E.

REPRESENTATIVE'S PRINTED NAME

SIGNATURE

Vice President

TITLE

March 4, 2022

DATE

RECOMMENDED FOR APPROVAL (Department Director)

Jason T. Autrey, P.E.,
C.P.M.

Digitally signed by Jason T. Autrey,
P.E., C.P.M.
Date: 2022.03.08 16:17:40 -06'00'

SIGNATURE

TITLE

DATE

APPROVED BY OKALOOSA COUNTY (Per Purchasing Manual) Table 1

Jeffrey A
Hyde

Digitally signed by Jeffrey
A Hyde
Date: 2022.03.09 08:38:24
-06'00'

PURCHASING MANAGER

DATE

Faye Douglas

Digitally signed by Faye Douglas
Date: 2022.03.09 11:20:08 -06'00'

OMB Director/DATE

DATE

John Hofstad

Digitally signed by John Hofstad
Date: 2022.03.10 09:26:15 -06'00'

COUNTY ADMINISTRATOR (if applicable)

DATE

CHAIRMAN (if applicable)

DATE

TASK ORDER APPROVAL FORM

CONTRACT #: C19-2745-PW

TASK ORDER #: 26

TASK ORDER AMOUNT: \$ 98,450.00 LS

OFFERED BY CONSULTANT:

AVCON, INC.

FIRM'S NAME

Virgil C. "Lee" Lewis, P.E.

REPRESENTATIVE'S PRINTED NAME


SIGNATURE

Vice President

TITLE

March 4, 2022

DATE

RECOMMENDED FOR APPROVAL (Department Director)

Jason T. Autrey, P.E.,
C.P.M.

Digitally signed by Jason T. Autrey,
P.E., C.P.M.
Date: 2022.03.08 16:17:40 -06'00'

SIGNATURE

TITLE

DATE

APPROVED BY OKALOOSA COUNTY (Per Purchasing Manual) Table 1

PURCHASING MANAGER

DATE

OMB Director/DATE

DATE

COUNTY ADMINISTRATOR (if applicable)

DATE

CHAIRMAN (If applicable)

DATE



AVCON, INC.
ENGINEERS & PLANNERS

320 Bayshore Drive, Suite A
Niceville, Florida 32578
Phone: (850) 678-0050
avconinc.com

March 4, 2022

Mr. Scott R. Henson
Public Works Program Manager
Okaloosa County Public Works—South Office
84 Ready Avenue
Fort Walton Beach, Florida 32548

Reference: Proposed Task Order #26
Baker Landfill Environmental Services
Okaloosa County Contract C19-2745-PW

Dear Scott:

Please find enclosed two (2) signed originals of the proposed Task Order #26 for environmental services associated with the Baker Landfill in 2022 for your review and consideration. AVCON will be supported by AECOM Technical Services, Inc. for this effort.

With your concurrence, please coordinate approval of the Task Order and return one (1) fully executed set at your earliest convenience. We appreciate your assistance and look forward to working with you, your staff, and Ms. Amy R. Nixon to best serve the County throughout this project.

If you have any questions, please do not hesitate to contact us at your convenience.

Sincerely,

AVCON, INC.

A handwritten signature in black ink, appearing to read "V. Lewis", written over a horizontal line.

Virgil C. "Lee" Lewis, P.E.
Vice President

Enclosures



TASK ORDER SUMMARY

Professional Consulting Services
Okaloosa County Public Works

Task Order No.: 26

AVCON Project No.: 2022.0125.01

Date: March 4, 2022

AVCON, INC., a Florida Corporation (hereinafter "CONSULTANT") agrees to perform and complete the following services (hereinafter "Services") for **Okaloosa County Public Works** (hereinafter "COUNTY"), in accordance with the terms and conditions of the Agreement for Consulting Engineering Services (Contract No.: C19-2745-PW), dated November 6, 2018 and extended by amendment on September 7, 2021, all of which terms and conditions are incorporated herein by reference.

1. **Task Location:** Baker Landfill, Baker, Florida
2. **Task Name:** 2022 Baker Landfill Environmental Services
3. **Task Description:** CONSULTANT shall perform the scope of services specified in **Exhibit "A"** dated **March 1, 2022** (4 pages) and attached hereto.
4. **Compensation:** For the work performed, the CONSULTANT shall be compensated on a Lump-Sum basis. The total lump-sum fee is **Ninety-Eight Thousand, Four Hundred Fifty and 00/100 Dollars (\$98,450.00)** derived as follows:

Prime Consultant—AVCON Contract Administration:	\$4,675.00
<u>Subconsultant—AECOM 2022 Baker Landfill Services:</u>	<u>\$93,775.00</u>
Task Order Total:	\$98,450.00

Progress payments for the COUNTY authorized tasks shall be made on a percent-complete basis as work is completed.



AECOM
150 North Orange Avenue
Orlando, Florida 32801
www.aecom.com

407.843.6552 tel
407.839.1789 fax

Via Electronic Mail

March 1, 2022

Mr. Lee Lewis
AVCON Engineers & Planners
320 Bayshore Drive, Suite A
Niceville, FL 32578

EXHIBIT A (4 pages)

Re: Proposal to Perform 2022 Landfill Environmental Services, Baker Landfill

Mr. Lewis:

AECOM Technical Services, Inc. (AECOM) is pleased to provide AVCON Engineers & Planners (AVCON) with this proposal to perform landfill environmental services including: 1) conducting necessary operation and maintenance (O&M) activities for the existing pump and treat system; 2) conducting and completing the sampling and associated reporting for the Spring and Fall 2022 semi-annual compliance and assessment sampling events; and 3) completing additional surface water and groundwater sampling to be utilized for design of a modified treatment system. The Spring and Fall sampling events and reporting will be conducted in accordance with the current permit and 2008 Remedial Action Plan Modification (RAPMOD) – 2011 Addendum (RAPMOD), dated August 1, 2011, and approved by the Florida Department of Environmental Protection (FDEP) on December 7, 2011.

SCOPE OF SERVICES

In accordance with the closure permit for Baker Landfill, Permit No. 0075982-004-SF, and the RAPMOD approved by FDEP on December 7, 2011, semi-annual reports for compliance and remedial action sampling are required, for a total of 2 reports (per year). AECOM proposes to perform the sampling in-house and subcontract laboratory analyses to Advanced Environmental Laboratories, Inc (AEL), a National Environmental Laboratory Accreditation Program (NELAP)-approved laboratory.

Details of the scope of services, and additional tasks are summarized in the following sections.

Water Quality Sampling

Water quality sampling will include the collection of groundwater samples, and when available, collection of surface water and seep samples. Groundwater sample collection will be performed for compliance and to meet RAPMOD requirements. Field work, sampling methodologies, data evaluation, and data Quality Assurance/Quality Control (QA/QC) will be performed in accordance with Chapter 62-160, FAC, Standard Operating Procedures (DEP-SOP- 001/01) (SOPs) and the closure permit.

AECOM will perform compliance sampling to meet the requirements listed within the closure permit and the remedial action sampling requirements listed in Table 2 of the 2011 RAPMOD. Semi-annual sampling will be performed during March and September and will be completed in accordance with the schedule presented in

the 2014 RAPMOD. Please note these months could vary slightly due to weather, or scheduling with the other two sampling events in Okaloosa County. Each event includes sampling of up to 42 monitor wells, 10 recovery wells, treatment system influent, treatment system effluent, and 4 surface water locations. The Shue potable well will be sampled annually. Additionally, to aid in evaluation of remedial effectiveness, up to 6 additional monitor wells and up to 7 additional surface water locations will be sampled during the Spring and/or Fall monitoring events. As required by Chapter 62-701.510(9) (a), Okaloosa County will electronically notify the FDEP 14 days prior to the scheduled sampling event and will also coordinate sampling with the County.

Prior to the initiation of sample collection, field instruments will be calibrated according to factory instructions. Instrument calibrations will be documented on a field log and submitted to the County with the field sampling logs and laboratory analytical results. Prior to sampling, static water levels in each sampled well will be obtained on the same day using an electronic water level indicator to the nearest 0.01 foot. Water levels only will be collected in an additional 18 monitor wells. During the collection of the static groundwater elevations, each monitoring well will be visually inspected. If any problems with the monitoring well are observed, AECOM will immediately notify the County of the problem.

Low-flow groundwater purging, and sample collection procedures (FDEP SOPs) will be followed in the field using a submersible pumps or similar devices, where dedicated pumps are not present. For recovery wells, samples will be collected from the recovery pumps via sampling ports on the submersible pump drop-pipes. When recovery wells are not operating, samples will be collected from the annular monitoring wells. Sampling equipment will be decontaminated prior to all phases of purging and sample collection to reduce the potential for cross contamination between sample locations. Required Quality Assurance/Quality Control samples will be collected including duplicates, equipment blanks, and trip blanks.

During the purging and sampling operations, the groundwater will be monitored for pH, dissolved oxygen, specific conductance, temperature, turbidity, oxidation reduction potential (ORP), color, odors, and sheens (by observation) in monitoring wells which have been selected for Monitoring Natural Attenuation (MNA). Monitoring of these parameters will provide an indication of stabilization of the groundwater quality prior to sample collection. These parameters will be recorded on the sampling log. Once the indicator values are stabilized and a sufficient volume purged from the well, sample collection will begin.

After sample collection, the samples will be prepared, preserved as necessary, and delivered to AEL using standard chain-of-custody procedures.

Laboratory Analysis & Review

Water quality analyses will be performed by AEL in accordance with Chapter 62-160, FAC DEP-SOP-001/01 and the closure permit. AEL is certified by the Florida Department of Health Environmental Laboratory Certification Program (DoH ELCP). AEL will perform analyses as listed within the Okaloosa County compliance permit and RAPMOD in standard turn-around times (approximately 3-4 calendar weeks) and provide an electronic report and data package deliverable to AECOM, including the ADaPT deliverable(s).

A quality control data package will be included within the laboratory report for each sampling event. Upon receipt of the laboratory report and data package, AECOM will perform a quality assurance/quality control (QA/QC) review.

Reporting

AECOM will review the analytical data, and prepare tables, figures, and a written report for both the Spring and Fall 2022 sampling events. The reports will include analysis of results from compliance monitoring and results of remedial action assessment monitoring. AECOM will work with Okaloosa County to also include a section in the reports addressing the operation and maintenance of the monitoring and remediation system at Baker. In addition, as requested recently by FDEP, historical results of the parameters analyzed will be tabulated for aid in review of contaminant trends. Conclusions and recommendations will be provided in each report regarding monitoring location compliance and the effectiveness of the remediation system. The sampling event report will be submitted to the County in draft format for review and comment. AECOM will prepare the final draft version for submittal to the FDEP electronically using the online business portal and via electronic mail.

Monthly Site Observation Visits/Quarterly Maintenance Visits

AECOM will continue to perform monthly landfill observation visits to assist the County with maintaining landfill remediation operations in accordance with County and FDEP standards. Relevant landfill inspection data or information will be collected, and any significant issues identified will be reported to the County immediately. AECOM has included one full day per month for personnel to perform repairs for the issues identified.

Quarterly maintenance visits will be conducted to include pump tests. Based on past experience, iron scaling has taken a tremendous toll on mechanical equipment, conveyance infrastructure and treatment system components. It is rare that there are no issues with one or more components of these remediation elements which requires additional investigation, repair, and/or replacement. In many of these instances, immediate attention to the issue while on-site is most prudent. AECOM will contact the County Program Manager or other appropriate County staff while onsite for approval of additional work. If possible, an estimate of time and materials for corrective actions will be provided to the County. AECOM will provide the County with a written summary and backup field notes of Quarterly Maintenance activities which will ultimately be included in the FDEP semi-annual reports.

COST ESTIMATE AND INVOICING

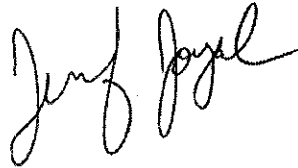
AECOM will conduct this work for a not-to-exceed contract value of \$93,775. Invoices will be prepared on a percent complete basis. If the scope of services, schedule, and fees are acceptable, please provide your written authorization to proceed.

AECOM appreciates the opportunity to propose on this project. If there are any questions or comments regarding this proposal, please do not hesitate to call. We look forward to continuing our working relationship with AVCON and Okaloosa County.

AECOM Technical Services, Inc.

A handwritten signature in black ink, appearing to read "Amy R. Mixon".

Amy R. Mixon, P.E.
Project Manager

A handwritten signature in black ink, appearing to read "Jennifer Joyal".

Jennifer Joyal, PE
Authorized Signatory
Associate Vice President
Southeast Remediation Area Manager

TASK ORDER APPROVAL FORM

CONTRACT #: C19-2745-PW

TASK ORDER #: 27

TASK ORDER AMOUNT: \$ 90,825.00 LS

CONTRACT #: C19-2745-PW

AVCON, INC.

GENERAL ENGINEERING SERVICES

EXPIRES: 09/30/2023

OFFERED BY CONSULTANT:

AVCON, INC.

FIRM'S NAME

Virgil C. "Lee" Lewis, P.E.

REPRESENTATIVE'S PRINTED NAME


SIGNATURE

Vice President

TITLE

March 4, 2022

DATE

RECOMMENDED FOR APPROVAL (Department Director)

Jason T. Autrey, P.E.,
C.P.M.

Digitally signed by Jason T. Autrey,
P.E., C.P.M.
Date: 2022.03.08 16:18:44 -06'00'

SIGNATURE

TITLE

DATE

John Hofstad

Digitally signed by John Hofstad
Date: 2022.03.10 09:25:52
-06'00'

COUNTY ADMINISTRATOR (if applicable)

DATE

Revised January 21, 2020

APPROVED BY OKALOOSA COUNTY (Per Purchasing Manual) Table 1

Jeffrey A
Hyde

Digitally signed by Jeffrey
A Hyde
Date: 2022.03.09 07:55:02
-06'00'

PURCHASING MANAGER

DATE

Faye Douglas

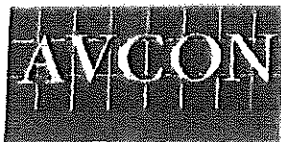
Digitally signed by Faye Douglas
Date: 2022.03.09 11:20:35 -06'00'

OMB Director/DATE

DATE

CHAIRMAN (if applicable)

DATE



AVCON, INC.
ENGINEERS & PLANNERS

320 Bayshore Drive, Suite A
Niceville, Florida 32578
Phone: (850) 678-0050
aveconinc.com

March 4, 2022

Mr. Scott R. Henson
Public Works Program Manager
Okaloosa County Public Works—South Office
84 Ready Avenue
Fort Walton Beach, Florida 32548

Reference: Proposed Task Order #27
Wright Landfill Environmental Services
Okaloosa County Contract C19-2745-PW

Dear Scott:

Please find enclosed two (2) signed originals of the proposed Task Order #27 for environmental services associated with the Wright Landfill in 2022 for your review and consideration. AVCON will be supported by AECOM Technical Services, Inc. for this effort.

With your concurrence, please coordinate approval of the Task Order and return one (1) fully executed set at your earliest convenience. We appreciate your assistance and look forward to working with you, your staff, and Ms. Amy R. Nixon to best serve the County throughout this project.

If you have any questions, please do not hesitate to contact us at your convenience.

Sincerely,

AVCON, INC.

A handwritten signature in black ink, appearing to read "V. Lee", written over a horizontal line.

Virgil C. "Lee" Lewis, P.E.
Vice President

Enclosures



TASK ORDER SUMMARY

Professional Consulting Services
Okaloosa County Public Works

Task Order No.: 27
AVCON Project No.: 2022.0125.02
Date: March 4, 2022

AVCON, INC., a Florida Corporation (hereinafter "CONSULTANT") agrees to perform and complete the following services (hereinafter "Services") for **Okaloosa County Public Works** (hereinafter "COUNTY"), in accordance with the terms and conditions of the Agreement for Consulting Engineering Services (Contract No.: C19-2745-PW), dated November 6, 2018 and extended by amendment on September 7, 2021, all of which terms and conditions are incorporated herein by reference.

1. **Task Location:** Wright Landfill, Wright, Florida
2. **Task Name:** 2022 Wright Landfill Environmental Services
3. **Task Description:** CONSULTANT shall perform the scope of services specified in **Exhibit "A"** dated **March 1, 2022** (4 pages) and attached hereto.
4. **Compensation:** For the work performed, the CONSULTANT shall be compensated on a Lump-Sum basis. The total lump-sum fee is **Ninety Thousand, Eight Hundred Twenty-Five and 00/100 Dollars (\$90,825.00 Lump Sum)** derived as follows:

Prime Consultant—AVCON Contract Administration:	\$4,325.00
Subconsultant—AECOM 2022 Wright Landfill Services:	<u>\$86,500.00</u>
Task Order Total:	\$90,825.00

Progress payments for the COUNTY authorized tasks shall be made on a percent-complete basis as work is completed.



AECOM
150 North Orange Avenue
Orlando, Florida 32801
www.aecom.com

407.843.6552 tel
407.839.1789 fax

Via Electronic Mail

March 1, 2022

Mr. Lee Lewis
AVCON Engineers & Planners
320 Bayshore Drive, Suite A
Niceville, FL 32578

EXHIBIT A (4 pages)

Re: Proposal to Perform 2022 Landfill Environmental Services, Wright Landfill

Mr. Lewis:

AECOM Technical Services, Inc. (AECOM) is pleased to provide AVCON Engineers & Planners (AVCON) with this proposal to perform landfill environmental services including: 1) conducting necessary operation and maintenance (O&M) activities for the existing pump and treat system; 2) conducting and completing the sampling and associated reporting for the Spring and Fall 2022 semi-annual compliance and assessment sampling events; and 3) completing additional surface water and groundwater sampling to be utilized for design of a modified treatment system. The Spring and Fall sampling events and reporting will be conducted in accordance with the current permit and 2008 Remedial Action Plan Modification (RAPMOD) – 2011 Addendum (RAPMOD), dated August 1, 2011, and approved by the Florida Department of Environmental Protection (FDEP) on December 7, 2011.

SCOPE OF SERVICES

In accordance with the closure permit for Wright Landfill, Permit No. 0070768-008-SF, and the RAPMOD approved by FDEP on April 23, 2014, semi-annual reports for compliance and remedial action sampling are required, for a total of 2 reports (per year). AECOM proposes to perform the sampling in-house and subcontract laboratory analyses to Advanced Environmental Laboratories, Inc (AEL), a National Environmental Laboratory Accreditation Program (NELAP)-approved laboratory.

Details of the scope of services, and additional tasks are summarized in the following sections.

Water Quality Sampling

Water quality sampling will include the collection of groundwater samples, and when available, collection of surface water and seep samples. Groundwater sample collection will be performed for compliance and to meet RAPMOD requirements. Field work, sampling methodologies, data evaluation, and data Quality Assurance/Quality Control (QA/QC) will be performed in accordance with Chapter 62-160, FAC, Standard Operating Procedures (DEP-SOP- 001/01) (SOPs) and the closure permit.

AECOM will perform compliance sampling to meet the requirements listed within the closure permit and the assessment water quality monitoring program for Wright Landfill. The permit monitoring program currently consists of 21 monitoring wells and 4 surface water sampling points. The current assessment water quality

monitoring programs consists of 13 monitoring wells, and collection of 11 additional water level measurements as detailed in the FDEP approval letter dated October 1, 2012. The treatment influent and treatment effluent will also be sampled during the semiannual events, which will be performed during March and September. Please note these months could vary slightly due to weather, or scheduling with the other two sampling events in Okaloosa County. Additionally, to aid in evaluation of the effectiveness of the groundwater remediation system, up to 6 additional monitor wells and 7 additional surface water locations will be sampled during the Spring and/or Fall monitoring events. As required by Chapter 62-701.510(9) (a), Okaloosa County will notify the FDEP 14 days prior to the scheduled sampling event and will also coordinate sampling with the County.

Prior to the initiation of sample collection, field instruments will be calibrated according to factory instructions. Instrument calibrations will be documented on a field log and submitted to the County with the field sampling logs and laboratory analytical results. Prior to sampling, static water levels in each sampled well will be obtained on the same day using an electronic water level indicator to the nearest 0.01 foot. During the collection of the static groundwater elevations, each monitoring well will be visually inspected. If any problems with the monitoring well are observed, AECOM will immediately notify the County of the problem.

Low-flow groundwater purging, and sample collection procedures (FDEP SOPs) will be followed in the field using a submersible pump or similar device, where dedicated pumps are not present. For recovery wells, samples will be collected from the recovery pumps via sampling ports on the submersible pump drop-pipes. When recovery wells are not operating, samples will be collected from the annular monitoring wells. Sampling equipment will be decontaminated prior to all phases of purging and sample collection to reduce the potential for cross contamination between sample locations. Required Quality Assurance/Quality Control samples will be collected including duplicates, equipment blanks, and trip blanks.

During the purging and sampling operations, the groundwater will be monitored for pH, dissolved oxygen, specific conductance, temperature, turbidity, oxidation reduction potential (ORP), color, odors, and sheens (by observation) in monitoring wells which have been selected for Monitoring Natural Attenuation (MNA). Monitoring of these parameters will provide an indication of stabilization of the groundwater quality prior to sample collection. These parameters will be recorded on the sampling log. Once the indicator values are stabilized and a sufficient volume purged from the well, sample collection will begin.

After sample collection, the samples will be prepared, preserved as necessary, and delivered to AEL using standard chain-of-custody procedures.

Laboratory Analysis & Review

Water quality analyses will be performed by AEL in accordance with Chapter 62-160, FAC DEP-SOP-001/01 and the closure permit. AEL is certified by the Florida Department of Health Environmental Laboratory Certification Program (DoH ELCP). AEL will perform analyses as listed within the Okaloosa County compliance permit and RAPMOD in standard turn-around times (approximately 3-4 calendar weeks) and provide an electronic report and data package deliverable to AECOM, including the ADaPT deliverable(s).

A quality control data package will be included within the laboratory report for each sampling event. Upon receipt of the laboratory report and data package, AECOM will perform a quality assurance/quality control (QA/QC) review.

Reporting

AECOM will review the analytical data, and prepare tables, figures, and a written report for both the Spring and Fall 2022 sampling events. The reports will include analysis of results from compliance monitoring and results of remedial action assessment monitoring. AECOM will work with Okaloosa County to also include a section in the reports addressing the operation and maintenance of the monitoring and remediation system at Wright. In addition, per recent request by FDEP, the reports will contain tables of historical data for the parameters monitored to aid in evaluation of remedial effectiveness. Conclusions and recommendations will be provided in each report regarding monitoring location compliance and the effectiveness of the remediation system. The sampling event report will be submitted to the County in draft format for review and comment. AECOM will prepare the final draft version for submittal to the FDEP electronically using the online business portal.

Monthly Site Observation and Quarterly Maintenance Visits

AECOM will continue to perform monthly landfill observation visits to assist the County with maintaining landfill remediation operations in accordance with County and FDEP standards. Relevant landfill inspection data or information will be collected, and any significant issues identified will be reported to the County immediately. AECOM has included one full day per month for personnel to perform repairs for the issues identified.

Quarterly maintenance visits will be conducted, and pump testing will be performed during these visits. Based on past experience, iron scaling has taken a tremendous toll on mechanical equipment, conveyance infrastructure and treatment system components. It is rare that there are no issues with one or more components of these remediation elements which requires additional investigation, repair, and/or replacement. In many of these instances, immediate attention to the issue while on-site is most prudent. AECOM will contact the County Program Manager or other appropriate County staff while onsite for approval of additional work. If possible, an estimate of time and materials for corrective actions will be provided to the County. AECOM will provide the County with a written summary and backup field notes of Quarterly Maintenance activities which will ultimately be included in the FDEP semi-annual reports.

COST ESTIMATE AND INVOICING

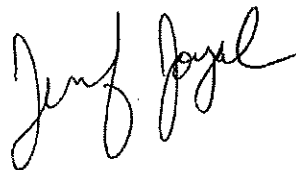
AECOM will conduct this work for a not to exceed contract value of \$86,500. Invoices will be prepared on a percent complete basis. If the scope of services, schedule, and fees are acceptable, please provide your written authorization to proceed.

AECOM appreciates the opportunity to propose on this project. If there are any questions or comments regarding this proposal, please do not hesitate to call. We look forward to continuing our working relationship with AVCON and Okaloosa County.

AECOM Technical Services, Inc.

A handwritten signature in black ink, appearing to read "Amy R. Mixon".

Amy R. Mixon, P.E.
Project Manager

A handwritten signature in black ink, appearing to read "Jennifer Joyal".

Jennifer Joyal, PE
Authorized Signatory
Associate Vice President
Southeast Remediation Area Manager

TASK ORDER APPROVAL FORM

CONTRACT #: C19-2745-PW

TASK ORDER #: 28

TASK ORDER AMOUNT: \$ 95,760.00 LS

CONTRACT #: C19-2745-PW
AVCON, INC.
GENERAL ENGINEERING SERVICES
EXPIRES: 09/30/2023

OFFERED BY CONSULTANT:

AVCON, INC.

FIRM'S NAME

Virgil C. "Lee" Lewis, P.E.

REPRESENTATIVE'S PRINTED NAME



SIGNATURE

Vice President

TITLE

March 4, 2022

DATE

RECOMMENDED FOR APPROVAL (Department Director)

Jason T. Autrey, P.E.,
C.P.M.

Digitally signed by Jason T. Autrey,
P.E., C.P.M.
Date: 2022.03.08 16:19:15 -06'00'

SIGNATURE

TITLE

DATE

APPROVED BY OKALOOSA COUNTY (Per Purchasing Manual) Table 1

Jeffrey A Hyde

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Hyde
Date: 2022.03.09 08:39:08
-06'00'

PURCHASING MANAGER

DATE

Faye Douglas

Digitally signed by Faye Douglas
Date: 2022.03.09 11:20:59 -06'00'

OMB Director/DATE

DATE

John Hofstad

Digitally signed by John Hofstad
Date: 2022.03.10 09:25:30 -06'00'

COUNTY ADMINISTRATOR (if applicable)

DATE

CHAIRMAN (if applicable)

DATE



AVCON, INC.
ENGINEERS & PLANNERS

320 Bayshore Drive, Suite A
Niceville, Florida 32578
Phone: (850) 678-0050
avconinc.com

March 4, 2022

Mr. Scott R. Henson
Public Works Program Manager
Okaloosa County Public Works—South Office
84 Ready Avenue
Fort Walton Beach, Florida 32548

Reference: Proposed Task Order #28
Niceville Landfill Environmental Services
Okaloosa County Contract C19-2745-PW

Dear Scott:

Please find enclosed two (2) signed originals of the proposed Task Order #28 for environmental services associated with the Niceville Landfill in 2022 for your review and consideration. AVCON will be supported by AECOM Technical Services, Inc. for this effort.

With your concurrence, please coordinate approval of the Task Order and return one (1) fully executed set at your earliest convenience. We appreciate your assistance and look forward to working with you, your staff, and Ms. Amy R. Nixon to best serve the County throughout this project.

If you have any questions, please do not hesitate to contact us at your convenience.

Sincerely,

AVCON, INC.

A handwritten signature in black ink, appearing to read "Virgil C. Lewis", written over a horizontal line.

Virgil C. "Lee" Lewis, P.E.
Vice President

Enclosures



TASK ORDER SUMMARY

Professional Consulting Services Okaloosa County Public Works

Task Order No.: 28

AVCON Project No.: 2022.0125.03

Date: March 4, 2022

AVCON, INC., a Florida Corporation (hereinafter "CONSULTANT") agrees to perform and complete the following services (hereinafter "Services") for **Okaloosa County Public Works** (hereinafter "COUNTY"), in accordance with the terms and conditions of the Agreement for Consulting Engineering Services (Contract No.: C19-2745-PW), dated November 6, 2018 and extended by amendment on September 7, 2021, all of which terms and conditions are incorporated herein by reference.

1. **Task Location:** Niceville Landfill, Niceville, Florida
2. **Task Name:** 2022 Niceville Landfill Environmental Services
3. **Task Description:** CONSULTANT shall perform the scope of services specified in **Exhibit "A"** dated **March 1, 2022** (4 pages) and attached hereto.
4. **Compensation:** For the work performed, the CONSULTANT shall be compensated on a Lump-Sum basis. The total lump-sum fee is **Ninety-Five Thousand, Seven Hundred Sixty and 00/100 Dollars (\$95,760.00)** derived as follows:

Prime Consultant—AVCON Contract Administration:	\$4,560.00
<u>Subconsultant—AECOM 2022 Niceville Landfill Services:</u>	<u>\$91,200.00</u>
Task Order Total:	\$95,760.00

Progress payments for the COUNTY authorized tasks shall be made on a percent-complete basis as work is completed.



AECOM
150 North Orange Avenue
Orlando, Florida 32801
www.aecom.com

407.843.6552 tel
407.839.1789 fax

Via Electronic Mail

March 1, 2022

Mr. Lee Lewis
AVCON Engineers & Planners
320 Bayshore Drive, Suite A
Niceville, FL 32578

EXHIBIT A (3 pages)

Re: Proposal to Perform 2022 Landfill Environmental Services, Niceville Landfill

AECOM Technical Services, Inc. (herein AECOM) is pleased to provide AVCON Engineers & Planners (AVCON) with this proposal to perform landfill environmental services to conduct and complete the sampling and associated reporting for the Spring and Fall 2022 semi-annual compliance and assessment sampling events in accordance with the current permit (Permit No. 0078402-006-SF).

SCOPE OF SERVICES

In accordance with the closure permit for Niceville Landfill, water quality is sampled and reported semi-annually at the Niceville Landfill, for a total of two events per year. AECOM proposes to perform the sampling in-house and subcontract laboratory analyses to Advanced Environmental Laboratories, Inc (AEL), a National Environmental Laboratory Accreditation Program (NELAP)-approved laboratory.

The following describes the proposed semi-annual sampling events for Spring and Fall of 2022 which will include field sampling activities, water quality analyses, and technical reporting of findings.

Water Quality Sampling

Water quality sampling will include the collection of groundwater samples, and when available, collection of surface water and seep samples. Groundwater sample collection will be performed for compliance and assessment to meet permit requirements. Field work, sampling methodologies, data evaluation, and data Quality Assurance/Quality Control (QA/QC) will be performed in accordance with Chapter 62-160, FAC, Standard Operating Procedures (DEP-SOP- 001/01) (SOPs) and the closure permit.

AECOM will perform compliance and assessment sampling to meet the requirements listed within the closure permit. Semi-annual sampling will be performed during March and September. Please note these months could vary slightly due to weather, or scheduling with the other two sampling events in Okaloosa County. As required by Chapter 62-701.510(9) (a), AECOM will electronically notify the FDEP 14 days prior to the scheduled sampling event and will also coordinate sampling with the County.

Prior to the initiation of sample collection, field instruments will be calibrated according to factory instructions. Instrument calibrations will be documented on a field log and submitted to the County with the field sampling logs and laboratory analytical results. Prior to sampling, static water levels in each required well will be obtained on the same day using an electronic water level indicator to the nearest 0.01 foot. During the collection of the static groundwater elevations, each monitoring well will be visually inspected. If any problems with the monitoring well are observed, AECOM will immediately notify the County of the problem.

Low-flow groundwater purging, and sample collection procedures (FDEP SOPs) will be followed in the field using a portable pneumatic bladder pump or similar device, where dedicated pumps are not present. Sampling equipment will be decontaminated prior to all phases of purging and sample collection to reduce the potential for cross contamination between sample locations. Required Quality Assurance/Quality Control samples will

be collected including duplicates, equipment blanks, and trip blanks.

During the purging and sampling operations, the groundwater will be monitored for pH, dissolved oxygen, specific conductance, temperature, turbidity, oxidation reduction potential (ORP), color, odors, and sheens (by observation) for monitoring wells which have been selected for Monitoring Natural Attenuation (MNA). Monitoring of these parameters will provide an indication of stabilization of the groundwater quality prior to sample collection. These parameters will be recorded on the sampling log. Once the indicator values are stabilized and a sufficient volume purged from the well, sample collection will begin.

After sample collection, the samples will be prepared, preserved as necessary, and delivered to AEL using standard chain-of-custody procedures.

Laboratory Analysis & Review

Water quality analyses will be performed by AEL in accordance with Chapter 62-160, FAC DEP-SOP-001/01 and the closure permit. AEL is certified by the Florida Department of Health Environmental Laboratory Certification Program (DoH ELCP). AEL will perform analyses as listed within the Okaloosa County compliance permit in standard turn-around times (approximately 3-4 calendar weeks) and provide an electronic report and data package deliverable to AECOM, including the ADaPT deliverable(s).

A quality control data package will be included within the laboratory report for each sampling event. Upon receipt of the laboratory report and data package, AECOM will perform a quality assurance/quality control (QA/QC) review.

Reporting

AECOM will review the analytical data, and prepare tables, figures, and a written report for the Spring and Fall sampling events. The report will include analysis of results from compliance and assessment monitoring. The sampling event report will be submitted to the County in draft format for review and comment. AECOM will prepare the final draft version for submittal to the FDEP electronically using the online business portal.

Agency Coordination

AECOM will coordinate with FDEP as needed on behalf of the County on sampling, reporting, and additional maintenance tasks that arise during 2022.

COST ESTIMATE AND INVOICING

AECOM will conduct this work for a not to exceed contract value of \$91,200. Invoices will be prepared monthly on a percent complete basis.

AECOM appreciates the opportunity to propose on this project. If there are any questions or comments regarding this proposal, please do not hesitate to call. We look forward to continuing our working relationship with AVCON and Okaloosa County.

Mr. Lewis
March 1, 2022
Page 3 of 3

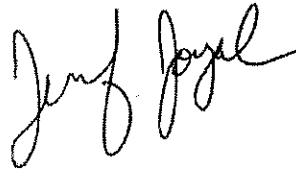
If the scope of services, schedule, and fees are acceptable, please provide your written authorization to proceed.

AECOM appreciates the opportunity to propose on this project. If there are any questions or comments regarding this proposal, please do not hesitate to call. We look forward to continuing our working relationship with AVCON and Okaloosa County.

AECOM Technical Services, Inc.

Handwritten signature of Amy R. Mixon in black ink.

Amy R. Mixon, P.E.
Project Manager

Handwritten signature of Jennifer Joyal in black ink.

Jennifer Joyal, PE
Authorized Signatory
Associate Vice President
Southeast Remediation Area Manager