

WORK ORDER AMENDMENT

WORK ORDER NO: 2025-00001989
WORK ORDER AMENDMENT #: _____
CONTRACT #: 14306
PROJECT DESCRIPTION: Florence C&D Landfill – Air Monitoring
DATE ISSUED: June 23, 2025
PROFESSIONAL: GSE Engineering & Consulting, Inc.
COUNTY TASK MANAGER: Steve Hofstetter, Director
PROJECT CHANGES: GSE Proposal No. 2025-168A dated November 19, 2025

NEW COMPLETION DATE: Per GSE Proposal

Original Work Order Price: \$90,058

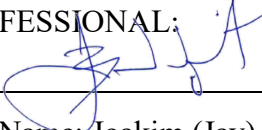
Total of Prior Approved Changes: _____

Amount of this Change in Work Order: \$27,913

Add or (deduct): ADD

New Work Order Price with This Amendment: \$117,971

ALACHUA COUNTY:
By: _____
Title: _____
Date: _____

PROFESSIONAL:
By:  _____
Print Name: Joakim (Jay) B. Nordqvist
Title: Principal Engineer
Date: 11/19/2025



November 19, 2025

Stephen Hofstetter, Director
Alachua County Environmental Protection Department
14 NE 1st Street
Gainesville, Florida 32601

Addendum to Air Quality Monitoring Program
Florence C&D Landfill – Air Monitoring
Gainesville, Alachua County, Florida
GSE Proposal No. 2025-168A

GSE Engineering & Consulting, Inc. (GSE) is pleased to present this addendum for supplemental air quality monitoring program services related to the subject project in Gainesville, Alachua County, Florida.

This addendum reflects additional requested services outside of the original scope of services. The remainder of this proposal outlines our understanding of the subject matter, presents our supplemental scope of services, and includes a schedule and our fees for providing these services.

BACKGROUND INFORMATION

The Florence C&D Landfill site is identified by the FDEP as a solid waste facility (FDEP Facility ID No. 30010). The site is a construction and demolition (C&D) debris disposal facility. The site has historically been a C&D debris disposal facility dating back to at least the 1980s. The facility was also a borrow pit (Feagle Fill Dirt) dating back to at least the 1980s. To address citizen concerns and complaints related to the landfill operation, Alachua County elected to have air samples and weather data collected for 6 months in order to monitor for potential pollutants released from the landfill and surrounding area.

Alachua County requested GSE assist in the installation and start-up of a continuous air monitoring system. Alachua County Environmental Protection Department (ACEPD) provided GSE with the number of stations, duration, parameters to target, and equipment specifications for the air monitoring program. Our services are being provided under Alachua County Purchase Order (PO) No. 2025-00001989 dated June 23, 2025, consistent with services outlined in GSE Proposal No. 2025-168 (Rev. 1) dated June 13, 2025.

The GSE installation and activation of four (4) air quality monitoring units and associated solar power systems supplied by SPECTO Technology (SPECTO) was completed on July 28 & 29, 2025. The units continuously monitor (averaged and reported over 15-minute intervals) for particulate matter (PM_{2.5} & PM₁₀) and hydrogen sulfide (H₂S) gas. Each unit is equipped with a solar power system, GPS tracking equipment, and weather station. The monitoring stations provide direct wireless downloading of the data being collected through telecommunication.

Monitoring data reports are being generated, compiled, and distributed to the ACEPD by SPECTO on a daily basis. The first summary report reflects data collected on July 28, 2025 at Unit Nos. 2995, 2996 and 2997. Data was collected and reported at Unit No. 2943 beginning July 29, 2025.

GSE completed the installation and start-up of the air monitoring system consistent with Task 1 of GSE Proposal No. 2025-168 (Rev. 1). The installation program was summarized in our *Summary of Equipment Installation and Start-Up* report dated September 19, 2025 (GSE Project No. 17036).

Prior to field installation, the air monitoring equipment was housed at the office of GSE pending final Alachua County access agreement commitments. As a result, the equipment rental will need to be extended for one month to accommodate this delay resulting in additional equipment cost.

There have been on-going intermittent issues with some of the units going “off-line” as a result of unit power loss and other technical complications. Site visits have been conducted to trouble shoot and fix the equipment as needed. SPECTO has provided technical support and assistance. Multiple site visits have been conducted. One of the units (Unit No. 2995) was replaced as the initial data that it was collecting did not seem consistent with the remaining units. Malfunction of this unit was confirmed with the data collected by the replacement unit placed into service on September 25, 2025.

The ACEPD requested GSE assist in evaluating the air monitoring data. There were intermittent readings where the particulate matter (PM2.5 & PM10) exceeded their respective action levels. GSE retained a subconsultant (WPS) with extensive and pertinent air monitoring experience to assist with the data review. A meeting was held to discuss the initial data on October 29, 2025. Based on this meeting, it was agreed that monthly review of the data would be conducted by WPS. In addition, a site visit (including visit to the landfill) by the WPS Project Scientist (Selma Isil) and GSE was suggested to gain additional familiarity with site and area conditions. This was considered important in providing context for the data being collected.

The supplemental services requested by the ACEPD to date have been conducted and provided under the GSE Proposal No. 2025-168 (Rev. 1) Task 2 – Operations & Maintenance and Consulting (Allowance). Additional equipment trouble shooting and maintenance is anticipated to be required on an on-going intermittent basis. In addition, the WPS consulting services will also be needed to review the additional data being collected through January 2026. The following section summarizes the anticipated supplemental services that may be required.

ADDENDUM TO SCOPE OF SERVICES

The following Addendum to our scope of services are proposed. Our services are presented as Task 2A.

Task 2A – Supplemental Operations & Maintenance and Consulting (Allowance)

The following summarizes the supplemental O&M and consulting services that are expected to be necessary to complete the project:

- WPS and GSE site and area visit
- Additional site visits to provide intermittent trouble shooting and maintenance in an effort to maintain the equipment on-line and up and running in good working order.
- Coordinate with SPECTO as needed during troubleshooting.
- Air quality data review by WPS on a monthly basis.

- Monthly meetings with ACEPD to discuss air monitoring results.
- Additional consulting services to address ACEPD, City of Gainesville, FDEP, or other stakeholder requirements, questions, or concerns.

The above services will be provided on an “as needed” basis. We have included a budget allowance to consider for these additional services. We will not exceed the budget allowance without prior authorization for an increase to the scope of services.

FEE

Based upon our understanding of the project and the scope of work presented above, the following table provides a summary of the additional fees proposed. The fee presented below is provided in the attached Work Order Cost Spread Sheet.

<u>Task 2A</u>	<u>Fee</u>
Supplemental Field Services (Allowance)	\$ 5,352
WPS Consulting Services (Allowance)	\$ 11,500
Equipment Monitoring, Additional Reporting & Florida Sales Tax	\$ 2,686
<u>Project Coordination, Management & Reporting (Allowance)</u>	<u>\$ 8,375</u>
TOTAL FEE	\$ 27,913

We plan to invoice on an interim and on-going progress basis as services are provided. The services will be billed consistent with our existing contract agreement referenced below if the Authorization section.

If additional services are required that are not covered under this proposal, these could be provided as an amendment to this proposal. We will not exceed our total fee estimate without your prior authorization.

SCHEDULE

Supplemental consultation and O&M services (Task 2A) will be provided and scheduled on an as needed basis to meet project needs.


AUTHORIZATION

Our services will be provided subject to the terms and conditions of our **Alachua County Agreement for Professional Services to Furnish Annual Environmental Consulting Services RFP 25-171 (Contract #14306)**. To formally authorize us to proceed and to complete our files, please complete and return to us a copy of the Work Order Addendum, and issue a revised Purchase Order referencing this proposal.

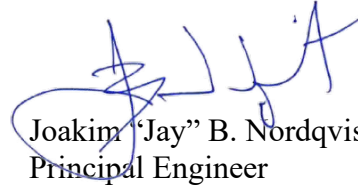
CLOSURE

We appreciate the opportunity to assist you with this important matter. If you have any questions, or if we can provide any additional information, please contact us.

Sincerely,
GSE Engineering & Consulting, Inc.



Karen Roylos
Staff Scientist



Joakim "Jay" B. Nordqvist, P.E.
Principal Engineer

KR/JBN:tlf

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Attachment: Work Order Cost Spreadsheet

Distribution: Addressee (1)
File (1)

Work Order Cost Spread Sheet
Task 2A - Supplemental Operations & Maintenance and Consulting
Florence C&D Landfill
Gainesville, Alachua County, Florida
GSE Proposal No. 2025-168A

<u>Supplemental Field Services (Allowance)</u>	<u>Units</u>	<u>Rate</u>	<u>No. Units</u>	<u>Total</u>
Project Professional	hrs	\$ 140.00	15	\$ 2,100
Engineering Technician	hrs	\$ 75.00	40	\$ 3,000
Mileage (Trip Charge) - 18 Miles Roundtrip	trip	\$ 12.60	20	\$ 252
Truck (Allowance)	day	\$ 100.00		\$ -
Field Total				\$ 5,352
<u>WPS Consulting Services</u>				
Project Scientist	hrs	\$ 180.00	55	\$ 9,900
Expenses	each	\$ 100.00	1	\$ 100
Markup on Subconsultant	percent	15%	0.15	\$ 1,500
Suconsultant Total				\$ 11,500
<u>Equipment Monitoring, Additional Reporting & Florida Sales Tax</u>				
Quarterly Service GPS Monitoring Plan (with 25% Markup)	quarterly	\$ 254.85	1	\$ 255
SPECTO Detailed Wind Report (with 25% Markup)	month	\$ 230.00	3	\$ 690
Florida Sales Tax on Equipment (No Markup), November-January 2025	month	\$ 580.50	3	\$ 1,742
Equipment Total				\$ 2,686
<u>Project Coordination, Management & Reporting</u>				
Project Professional	hrs	\$ 140.00	40	\$ 5,600
Principal Professional	hrs	\$ 190.00	10	\$ 1,900
Drafting	hrs	\$ 90.00		\$ -
Clerical	hrs	\$ 75.00	5	\$ 375
Other Expenses	each	\$ 500.00	1	\$ 500
Reporting Total				\$ 8,375
Task 2A Total Estimate				\$ 27,913