

RESOLUTION NO. 2024- 349

A RESOLUTION AUTHORIZING THE ISSUANCE OF AN AMENDATORY SUPPLEMENTAL CHANGE ORDER NO. 3 TO CONTRACT NO. C21-0070, PURCHASE ORDER NO. 21-03496, ISSUED TO ENVIRONMENTAL STRATEGIES & APPLICATIONS, INC., MIDDLESEX, NJ, IN THE AMOUNT OF \$358,169.00.

WHEREAS, the City Council of the City of Vineland, on April 27, 2021, adopted Resolution No. 2021-191, entitled "A RESOLUTION AUTHORIZING AN AGREEMENT FOR PROFESSIONAL SERVICES WITH ENVIRONMENTAL STRATEGIES & APPLICATIONS, INC., MIDDLESEX, NJ, FOR GROUNDWATER REMEDIATION AT PUBLIC WORKS YARD ON WALNUT ROAD, IN AN AMOUNT NOT TO EXCEED \$2,288,380.00; and

WHEREAS, N.J.A.C. 5:30-11.1, et seq., sets forth the requirements for the processing of change orders; and

WHEREAS, the City Engineer has requested that an amendment be made to contract awarded to Environmental Strategies & Applications, Inc., Middlesex, NJ, for Groundwater Remediation at Public Works Yard on Walnut Road, as authorized by Resolution No. 2021-191: said amendment is made necessary for the installation of monitoring wells around the contaminated monitoring well to further investigate extent of groundwater contamination. To delineate soil contamination and determine potential source and to provide support for reactivation of supply well #13; and

WHEREAS, the City of Vineland desires to comply with said requirements of N.J.A.C. 5:30-11.1, et seq., and to that end herewith files with the governing body a report stating the facts involved and indicating that the proposed change order may be allowed under these regulations; and

WHEREAS, the Chief Financial Officer has certified the availability of funds for the amendatory supplemental change order for which authorization is requested in the amount of \$358,169.00; now, therefore,

BE IT RESOLVED by the Council of the City of Vineland that said amendatory supplemental change order #3 to Contract No. C21-0070, Purchase Order No. 21-03496, issued to Environmental Strategies & Applications, Inc., Middlesex, NJ, in the amount of \$358,169.00, be and the same is hereby ratified and approved.

Adopted:

President of Council

ATTEST:

City Clerk



August 5, 2024

REPORT

TO: THE MAYOR AND COUNCIL
Amendatory Supplemental Change Order No. 3
Contract No. C21-0070, Purchase Order No. 21-03496
Groundwater Remediation at Public Works Yard on Walnut Road
Environmental Strategies & Applications, Inc., Middlesex, NJ

We are requesting that an amendatory supplemental change order be issued to Contract No. C21-0070, Purchase Order No. 21-03496, issued to Environmental Strategies & Applications, Inc., Middlesex, NJ, for the Groundwater Remediation at Public Works Yard on Walnut Road. This contract was authorized by Resolution No. 2021-191, adopted by City Council on April 27, 2021.

The change order requested, in the amount of \$358,169.00, is necessary for the installation of monitoring wells around the contaminated monitoring well to further investigate extent of groundwater contamination. To delineate soil contamination and determine potential source and to provide support for reactivation of supply well #13.

This change order, plus change order #1 (\$322,350) and #2 (\$82,955) increases the original amount from \$2,288,380.00 to \$3,051,854.00.

The amendatory supplemental change order for which authorization is herein requested may be authorized in accordance with N.J.A.C. 5:30-11.1 et seq.

Respectfully submitted,

Robert E. Dickenson, Jr.
Business Administrator

RD/wr
Encl.





REQUEST FOR CHANGE ORDER FOR
CONTRACTS

PROJECT NAME: Walnut Rd DPW Site Remediation (Groundwater Contamination)

CONTACT NAME: Mike Russo DEPARTMENT: Engineering

CHANGE ORDER REQUEST NUMBER: 3 CONTRACT NUMBER: 21-0070

PO NUMBER: 21-03496

NAME AND ADDRESS OF CONTRACTOR: Environmental Strategies & Applications, Inc.
495 Union Ave, Suite 1D, Middlesex, NJ 08846

REASON FOR CHANGE ORDER (DOCUMENTATION MUST BE SUBMITTED TO SUPPORT THIS REQUEST.
USE ADDITIONAL PAGES IF NECESSARY): Installation of wells around contaminated well
to further investigate extent of groundwater contamination. Delineate soil contamination
and determine potential source. Provide support of reactivation of supply well #13.

ORIGINAL CONTRACT AMOUNT:	\$ <u>2,288,380.00</u>
AMOUNT OF THIS CHANGE ORDER REQUEST:	\$ <u>358,169.00</u>
PREVIOUS CHANGE ORDER AMOUNTS:	\$ <u>405,305.00</u>
TOTAL REVISED CONTRACT AMOUNT:	\$ <u>3,051,854.00</u>

ACCOUNT NUMBER FOR CHANGE ORDER: T-22-00-000-0000-80302

TRACKING ID(S): _____ COMMODITY CODE(S): _____

APPROVED BY: David J. Maillet, City Engineer

(PRINT NAME)

David J. Maillet

(SIGNATURE)

PLEASE NOTE: CHANGE ORDERS CANNOT EXCEED 20% OF THE ORIGINAL CONTRACT AMOUNT

COPY TO:
PurchasingOffice@vinelandcity.org



CHANGE ORDER FORM

ESA Environmental Consultants
495 Union Avenue, Suite 1D, Middlesex, NJ 08846

phone: 732.469.8888
fax: 732.369.1120
email: info@askESA.com
web: askESA.com

CHANGE ORDER #: ^2859
ESA PROJECT #: X4243
DATE: 05/22/2024

CLIENT:

Mr. David J. Maillet P.E.
City Engineer
City of Vineland Division of Engineering
640 E. Wood Street
PO Box 1508
Vineland, NJ 08362-1508

PROJECT:

City of Vineland Department of Public Works Facility
1086 East Walnut Road, City of Vineland
Cumberland County, NJ 08362-1508
Contract #21-0070

Dear Mr. Maillet:

ESA Environmental Consultants (ESA) respectfully submits this Change Order Request (COR) scope of work to the City of Vineland Division of Engineering (Client) for professional environmental consulting services to comply with the regulatory requirements associated with ground water and soil contamination at the 1086 East Walnut Road, City of Vineland Department of Public Works (DPW) facility (Site).

BACKGROUND

ESA submitted a Remedial Action Report (RAR) and a Ground Water Remedial Action Permit Application (GW-RAP) to the New Jersey Department of Environmental Protection (NJDEP) on May 2, 2024, that included monitored natural attenuation for the long-term remedy for the persistent ground water contamination at the Site. Due to the extended review time the NJDEP has indicated for GW-RAP applications, ESA recommends continuing the quarterly ground monitoring plan that has been implemented since the soil remediation in 2021 for the next two years. Also, because of Client's intention to restart Municipal Supply Well #13, in addition to the quarterly monitoring mentioned above, ESA recommends annual monitoring at monitoring well cluster OS-4, which is directly upgradient of, and is the closest well cluster to, Municipal Supply Well #13. This will ensure the residual contamination in the ground water underlying the Site is monitored and potential migration of contaminants from the Site will be identified prior to migrating to Municipal Supply Well #13.

This COR also includes prices for supplemental remediation services, and additional reporting and evaluation time needed to scientifically differentiate background contaminants and the newly discovered discharge from the original petroleum discharge, since the plumes of ground water contamination are commingled, and the NJDEP-required Permit-By-Rule (PBR) parameters.

Additionally, the new discharge that was identified and reported to the NJDEP in November 2023, still warrants further investigation and delineation. This COR also includes tasks to complete a forensics investigation to identify potential sources of the discharge and to delineate the contaminants recently identified in the soil.

ESA developed the following scope of work and associated prices for the quarterly monitoring for the next two years and the additional remedial activities to address the regulatory compliance requirements for the November 2023 discharge. The following activities will be performed by 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) trained personnel in compliance with State and Federal regulations, and in accordance with ESA's LSRP Terms & Conditions, Client and ESA's Professional Services Agreement, and Contract # 21-0070 issued by City of Vineland.

DESCRIPTION OF CHANGES

Task 1: Supplemental Remediation Services for Case No. 96-11-19-1219-50

The following is a list of supplemental investigation and remediation services provided during the execution of Contract 21-0070 / PO #21-03496:

Expansion of Monitoring Well Network & Quarterly Ground Water Sampling

Due to the post-remediation ground water sampling results and NJDEP delineation requirements, ESA was required to expand the monitoring well sampling network to include additional monitoring wells for background evaluation of PBR parameters and gasoline constituent parameters. The expanded well network included installation of three (3) off-site permanent monitoring wells and the expanded analytical parameter list was sampled and evaluated for 4 quarters.

Reporting / Data Evaluation

- Evaluation of PBR parameters relative to background concentrations identified in ground water located out of the influence of remedial activities.
- Evaluation of lead concentrations in ground water and addressing historical data gaps.
- Evaluation of ground water sampling data to applicability with respect to the current NJDEP Field Sampling Procedures Manual (2023 Edition).
- Evaluation of unknown discharge associated with new Case No. 23-11-14-1218-20 and narrative within the Remedial Action Report previously submitted to the NJDEP in May, 2024.
- Evaluation of data biases due to apparent infiltration from asphalt paving operations into select monitoring wells.

Supply Well No. 13 Reactivation Support

- Licensed Site Remediation Profession ("LSRP") evaluation and technical support for reactivation Municipal Supply Well #13.
- Project Management and coordination with Engineering and Vineland City Water Departments.
- Baseline ground water sample collection and data evaluation at select monitoring well locations.
- Development of plume migration/monitoring workplan.

Task 2: Ground Water Remedial Action Permit Quarterly Monitoring

Quarterly ground water sampling activities are recommended to monitor the contaminated plume and evaluate potential migration resulting from operation of Municipal Supply Well No. 13. Quarterly ground water monitoring for two (2) years is included, to be performed until NJDEP GW-RAP application review is complete and permit approval is issued in approximately 2 years. Additionally, the following services are required for compliance with the RAP application:

- ESA will install three (3) monitoring wells (MW-8VDR, MW-13R and MW-14DR) on-Site for evaluation of lead concentrations previously detected above the Ground Water Quality Standards (GWQS) at these locations.
- Characterization, transportation and disposal of soil drill cuttings and purge water generated during the monitoring well installations.
- Professional survey of new monitoring wells.
- Perform quarterly ground water monitoring activities (8 sampling events included) in anticipation of RAP approval and continued monitoring of lead in select monitoring wells.

- Annual sampling and analysis of offsite OS-4 monitoring well cluster for gasoline constituents in anticipation of Municipal Supply Well #13 activation. The standard laboratory analysis will be expanded to include the gasoline compounds butane, pentane, isopentane and ethanol.
- Hydrogeological survey using transducers in select onsite and offsite wells to monitor the effects the operation of Municipal Supply Well No. 13 has on the local aquifer.
- Forensic data collection, laboratory analysis, and evaluation of ground water samples collected from monitoring wells MW-1DR, MW-5DR and MW-16.

Task 3: Regulatory Compliance Reporting Activities for Case No. 23-11-14-1218-20

ESA will install a monitoring well, collect and analyze ground water samples in an attempt to vertically delineate the discharge that was identified in November 2023. ESA will also collect and analyze soil samples to delineate soil contamination identified during the January 2024 investigation. ESA will also perform a forensic evaluation to determine potential sources of the discharge that was identified in November 2023. The forensic evaluation will also include additional ground water sample collection and analysis. ESA will tabulate the laboratory data, prepare results figures to evaluate the soil and ground water sample results to the current NJDEP Remediation Standards. If the results support the NJDEP requirements for the completion of a remedial investigation, a Remedial Investigation Report will be prepared and submitted to the NJDEP. The following is list of the objectives that will be completed as part of this task:

- Update Quality Assurance Project Plan ("QAPP").
- Remedial investigation of impacted soil identified above NJDEP residential soil remediation standards during recent Site investigation activities.
- Install one (1) vertical delineation monitoring well to further evaluate ground water contamination associated with Case No. 23-11-14-1218-20.
- Remedial investigation of impacted ground water via quarterly monitoring (included Task 2 above)
- Site investigation/remedial investigation data evaluation and regulatory compliance reporting.
- Forensic chemical fingerprint analysis for further evaluation and age-date determination of the separate discharges/comingled contaminated plumes.
- Prepare a Remedial Investigation Report for soil and ground water.

Task 4: Project Management & Coordination

ESA will provide project management services to effectively execute this project including scheduling, communications, meetings, and coordination with Client engineers, Vineland water department, NJDEP regulators, subcontractors, vendors, and laboratories. ESA will also coordinate the utility one-call to mark-out underground utilities prior to intrusive investigation activities.

PRICE:

The total estimated price for services as described herein is as follows:

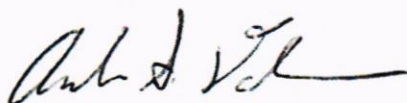
• Scope of Work Development	\$5,500
• Task 1: Supplemental Remediation Services for Case No. 96-11-19-1219-50	\$47,670
• Task 2: Ground Water Monitoring Activities	\$159,086
• Task 3: Regulatory Compliance Services for Case No. 23-11-14-1218-20	\$80,703
• <u>Task 4: Project Management & Coordination</u>	<u>\$65,210</u>
Total Estimated Price:	\$358,169

Please note, this COR is written on a Time & Materials basis for professional services conducted during normal business hours Monday through Friday. The prices outlined will be applied as supplemental budget to Contract #21-0070. All work activities have been conducted under the previously approved ESA Standard Terms & Conditions for ESA project # X4243 and CLIENT Contract #21-0070.

Change Order #2859 Acceptance

ESA appreciates the opportunity to provide these professional services to CLIENT. Kindly return an executed copy of this CO to the undersigned as approval. All work included herein has and/or will be performed under the previously executed Terms and Conditions as specified in the original Professional Services contract, unless otherwise stipulated. If you have any questions, please feel free to contact me at (732) 469-8888 or adaher@askesa.com.

WE AGREE to the change(s) specified above to be completed at the additional price of: \$358,169.00



ESA Authorized Signature

5/22/2024

Date

ACCEPTANCE: The above prices and specifications of this CHANGE ORDER are satisfactory and are hereby accepted. All work will be performed under the same terms and conditions as specified in the original contract unless otherwise stipulated.

CLIENT Authorized Signature

Date

**ESA ENVIRONMENTAL CONSULTANTS
RATE SCHEDULE
EFFECTIVE January 1, 2024**

Principal	\$320
LSRP 3	\$290
LSRP 2	\$265
LSRP 1	\$240
Senior Director	\$270
Director	\$240
Senior Project Manager	\$220
Project Manager	\$195
Associate Project Manager	\$175
Environmental Scientist II	\$130
Environmental Scientist I	\$120
Environmental Technician	\$110
Project Coordinator	\$95

All rates are per hour.
Personnel are billed portal to portal.
Rates for expert preparation, depositions, and testimony are 2 times those listed.
Rates subject to change upon 30 days' notification.