

RESOLUTION NO. 2019-82

A RESOLUTION AUTHORIZING AN AGREEMENT FOR PROFESSIONAL SERVICES WITH ENVIRONMENTAL STRATEGIES & APPLICATIONS, INC., MIDDLESEX, NJ, FOR GROUNDWATER SAMPLING & TESTING AND INSTALLATION OF NEW MONITORING WELLS AT PUBLIC WORKS YARD ON WALNUT ROAD, IN AN AMOUNT NOT TO EXCEED \$162,028.00.

WHEREAS, there exists a need for professional services for Groundwater Sampling & Testing and for the installation of approximately seven (7) new monitoring wells at Public Works Yard on Walnut Road; and

WHEREAS, the City of Vineland has a need to acquire such professional services as a Non-Fair and Open Contract pursuant to N.J.S.A. 19:44A-20.5; and

WHEREAS, the purchasing agent has determined and certified in writing that the value of said services will exceed \$17,500.00; and

WHEREAS, Environmental Strategies & Applications, Inc., Middlesex, NJ has submitted a proposal indicating they will provide the professional services in an amount not to exceed \$162,028.00 for a one year period from March 1, 2019 to February 29, 2020; and

WHEREAS, Environmental Strategies & Applications, Inc. has completed and submitted a Business Entity Disclosure Certification for Non-Fair and Open Contract which certifies that Environmental Strategies & Applications, Inc. has not made any reportable contributions to a political or candidate committee in the City of Vineland in the previous one year and that the contract will prohibit Environmental Strategies & Applications, Inc. from making any reportable contributions through the term of the contract to a political or candidate committee in the City of Vineland; and

WHEREAS, the availability of funds for said Professional Services Contract to be awarded herein have been certified by the City Comptroller; and

WHEREAS, the Local Public Contract Law (N.J.S.A. 40A:11-1, et seq) requires that the Resolution authorizing the award of contract for Professional Services without competitive bidding and the contract itself must be available for public inspection.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Vineland as follows:

1. That the Mayor and Clerk are hereby authorized and directed to execute a Non-Fair and Open Agreement pursuant to N.J.S.A. 19:44A-20.5 with Environmental Strategies & Applications, Inc., Middlesex, NJ, for Professional Services for Groundwater Sampling & Testing and for the installation of approximately seven (7) new monitoring wells at Public Works Yard on Walnut Road, in an amount not to exceed \$162,028.00.
2. That this Agreement is awarded without competitive bidding as a Professional Services in accordance with N.J.S.A. 40A:11-5(1)(a) of the Local Public Contracts Law because said services to be rendered or performed require knowledge of an advanced type in a field of learning acquired by a prolonged formal course of specialized instruction distinguished from general academic instruction or apprenticeship and training.
3. That the Business Disclosure Entity Certification, the Political Contribution Disclosure Form and the Determination of Value be placed on file with the Resolution.
4. That a Notice of this action shall be printed once in the Daily Journal.

Adopted:

President of Council

ATTEST:

City Clerk

**REQUEST FOR RESOLUTION FOR CONTRACT AWARDS
UNDER 40A:11-5 EXCEPTIONS
(PROFESSIONAL SERVICES, EUS, SOFTWARE MAINTENANCE, ETC)**

2/11/19

(DATE)

1. Service (detailed description): 2019 Groundwater sampling & testing at Public Works Yard on Walnut Road. Also includes installation of apprx 7 new monitoring wells
2. Amount to be Awarded: \$ 162,028.00

- Encumber Total Award
 Encumber by Supplemental Release

3. Amount Budgeted: \$ 162,028.00

4. Budgeted: By Ordinance No. 2014-23
Or Grant: Title & Year _____

5. **Account Number to be Charged: C04-00000-142378601

6. Contract Period: March 1, 2019 to ^{Feb. 29} March 1, 2020 (1 Year) *Per M. Mercado*

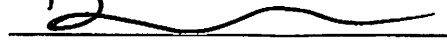
7. Date To Be Awarded: 2/26/19

8. Recommended Vendor and Address: Environmental Strategies & Applications, Inc
495 Union Ave, Suite 1D, Middlesex, NJ 088

9. Justification for Vendor Recommendation: (attach additional information for Council review)
ESA has performed all groundwater sampling/testing as well as remediation investigations at the VPW site. ESA is very familiar with the site and the work that needs to be completed. The installation of new MW's are necessary for remediation. It is believed that the contamination continues to impact groundwater.

- Non-Fair & Open (Pay-to-Play documents required)
 Fair & Open: How was RFP advertised? _____

10. Evaluation Performed by: Mike Russo

11. Approved by: 
David A. Maillet

12. Attachments:

- Awarding Proposal
 Other: _____

- Send copies to:
Purchasing Division
Business Administration

**** If more than one account #, provide break down**



ENVIRONMENTAL CONSULTANTS
Our work is groundbreaking.

January 29, 2019

Via Electronic Mail

Mr. Michael Russo
640 E. Wood Street
PO Box 1508
Vineland, NJ 08362-1508

**RE: Ongoing Compliance Requirements for the City of Vineland
Department of Public Works – 1086 E. Walnut Rd., Vineland, NJ
ESA Proposal No. 19-5325**

Dear Mr. Russo:

Environmental Strategies and Applications, Inc. (ESA) is pleased to submit this Proposal Scope of Work (SOW) to the City of Vineland (CLIENT) for ongoing environmental compliance requirements related to soil and groundwater impacts at, and emanating from, CLIENT's Department of Public Works (DPW) site. Contaminated groundwater at the DPW became entrained in the hydraulic gradient imposed by the Municipal Potable Well (MPW-13), thus causing groundwater impacts downgradient from the DPW. This intent of this SOW is to implement a comprehensive groundwater monitoring program for a period of one year (4 quarters) and provide environmental services prior to the implementation of pending remedial actions.

The objective of this one-year sampling program is two-fold. First, ongoing monitoring is required to satisfy CLIENT's obligation that the City of Vineland remains protective of human health and the environment. Secondly, ESA's most recent groundwater data from the adjacent cemetery property (2018 data) indicates that vertical and horizontal delineation of impacts proximate to monitoring wells MW-5/5D is incomplete. The detected groundwater concentrations require additional monitoring to determine if impacts are migrating in a northerly direction towards an adjacent residential development. As part of this SOW, ESA is recommending additional monitoring wells to complete delineation of impacts above current NJDEP Groundwater Quality Standards (GWQS). Additionally, continued groundwater monitoring will demonstrate and support that active groundwater remediation on the cemetery property is unnecessary and will eliminate the need for a groundwater classification exception area (CEA) offsite. This SOW is designed to provide corroborating data that supports this cost-saving contention.

ENVIRONMENTAL STRATEGIES & APPLICATIONS, INC.
495 Union Avenue, Suite 1D, Middlesex, NJ 08846

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

Proposal # 19-5325

1 Background

Impacts at the DPW were first discovered when underground storage tanks (USTs) were removed in the 1990's. Environmental investigations and remedial efforts aimed at cost conservation have been ongoing ever since. Until the CLIENT is ready to begin the remedial effort of source removal, NJDEP and Licensed Site Remediation Professional (LSRP) continue to impose monitoring and reporting requirements. This proposal addresses those requirements for the next four (4) quarters. If ESA receives authorization to proceed with source remediation in advance of the one-year period as described herein, the balance of the work outlined in this proposal may not need to be performed.

2 Scope of Work

This proposal addresses regulatory requirements as prescribed within the Site Remediation Reform Act of 2009 (SRRRA, N.J.S.A. 58:10C-1 et seq.). The scope of work is divided into four sections: Project Management and Coordination, Groundwater Quality Monitoring and Sampling, Laboratory Analysis and Data Evaluation, and Summary Reporting.

2.1 Project Management & Coordination

ESA will provide project management and coordination during quarterly groundwater sampling events and during the installation of monitoring wells proximate to MW-5/5D. 2018 groundwater data indicates impacts at depth have increased in concentration, which suggests contaminants continue to migrate downward from the source to groundwater. Therefore, the installation of deeper monitoring wells is required to evaluate these potential impacts.

ESA will complete selected administrative activities regarding the Public Notice and Participation, the Remediation Funding Source, Regulatory coordination etc., as required.

2.2 Quarterly Groundwater Sampling – Four (4) Events

Based on 2017 and 2018 groundwater sampling data, most downgradient, off-site monitoring wells do not warrant further sampling at this time. Only one (1) off-site monitoring well cluster (OS-1 cluster) immediately downgradient of the site warrants continued sampling to monitor potential plume migration impacts. ESA will provide labor and equipment to gauge groundwater elevations and sample twenty-seven (27) existing monitoring wells and seven (7) newly installed monitoring wells (discussed below) for four (4) quarterly events as part of the overall groundwater quality monitoring of the site. During each event, groundwater elevations will be measured and documented at each location prior to sampling to calculate groundwater flow direction in both the shallow and deep horizons. Following gauging, groundwater samples will be collected for volatile organic compounds (VOCs), including low-level VOCs via conventional purge and sample methods using submersible pumps. Groundwater quality parameters will be collected at each sample location. Purge water will be carbon filtered and discharged to the ground surface unless field observations warrant containment. ESA anticipates that the data generated in 2019 will be consistent with the most recent groundwater data, thereby allowing selected monitoring wells to be removed from the future sampling plan. ESA estimates that each sampling event will take three (3) to four (4) days to complete. Some sampling events may be eliminated if soil remediation begins within the next one-year period.

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2.3 Monitoring Well Installation Activities

Based on 2018 groundwater sampling data, the installation of additional monitoring wells, proximate to existing MW-5/5D, is required to complete horizontal and vertical delineation of impacts to groundwater above GWQS. The 2018 groundwater data indicates impacts at depth have increased in concentration, which suggests that source area contaminants continue to impact groundwater. Up to seven (7) sentinel monitoring wells will be installed at varying depths (shallow and deep horizons) via mud-rotary and hollow-stem auger drilling methods. The proposed wells will be installed to the north and downgradient of the existing MW-5/5D monitoring well cluster. The wells will be completed with flush-mount protective casings and will be surveyed per NJDEP requirements.

2.4 Laboratory Analysis, Data Evaluation, and Other Required Services

Following the collection of groundwater samples as described above in Section 2.2, samples will be sent to a NJ-certified laboratory for VOC analysis. ESA will evaluate and tabulate the laboratory data, prepare summary data tables, and create groundwater elevation maps and contaminant isopleth maps. ESA will provide professional services to evaluate and prepare the data in accordance with the NJDEP Technical Requirements for Site Remediation (N.J.A.C. 7:26E). Lithologic cross-section maps will be generated if needed.

2.5 Summary Reporting

ESA will prepare a summary letter report and/or status memo for the first three quarterly events that summarizing the work completed. The letter report will include tabulated groundwater concentrations compared to the applicable standards, scaled sample/monitoring well location maps, contaminant isopleth maps, groundwater elevation maps and groundwater flow direction. After the fourth sampling event, ESA will prepare an annual report summarizing the contaminant concentration and migration trends. The annual report will include fate and transport models for each contaminant, tabulated groundwater concentrations compared to the applicable standards, groundwater elevation data compared to contaminant concentrations and contaminant isopleth maps. Additionally, a Remedial Action Progress Report will be prepared as warranted for NJDEP submittal to summarize the groundwater monitoring activities and findings.

3 Price

The price summary for services provided under this scope of works are estimated as follows:

- | | |
|---|-------------|
| • Quarterly Groundwater Sampling | \$98,498.00 |
| • Monitoring Well Installation Activities | \$63,530.00 |

ESA's Total Time and Materials (T&M) price to complete the Scope of Work above is **\$162,028.00**

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4 Scope of Work Assumptions

The following are project-specific parameters that form the basis of the above pricing. Any deviations from the following may affect project prices.

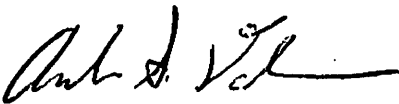
- The above scope of work is for professional environmental consulting services, only. It does not include any remedial activities.
- The scope of work contained herein does include time for the LSRP to review data and provide input. It also does not include the issuance of a Response Action Outcome (RAO), nor does it include the services needed to procure a Remedial Action Permit for Groundwater (RAP-GW).
- Purge water generated prior to the sampling of each monitoring well will be field filtered using Granular Activated Carbon (GAC) and will be discharged to the ground surface near each respective well. Offsite disposal of well-purge water is not anticipated or included in this scope of work.
- ESA has thus far performed all work for the City of Vineland via professional services contracts. Accordingly, this proposal has been priced in the same fashion. Therefore, this proposal contains no Prevailing Wage rates.
- If bonding is required, all costs will increase accordingly.

5 Proposal #19-5325 Acceptance

ESA appreciates the opportunity to provide this proposal scope of work and is prepared to initiate the work once authorized. To authorize ESA to proceed, kindly return an executed copy of this proposal to the undersigned. All work included herein will be performed under the previously executed Terms and Conditions as specified in the original contract, unless otherwise stipulated. If you have any questions, please feel free to contact me at (732) 469-8888 or adaher@askesa.com.

Sincerely,

For ENVIRONMENTAL STRATEGIES & APPLICATIONS, INC.



Andrew Daher
Senior Project Manager

Accepted By: _____

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ENVIRONMENTAL STRATEGIES & APPLICATIONS, INC.

RATE SCHEDULE

EFFECTIVE JANUARY 1, 2019 – DECEMBER 31, 2019

PERSONNEL: All rates are per hour.

Principal / Principal Consultant	\$205
Program Director/Executive/LSRP	\$180
Senior Project Manager	\$150
Project Manager	\$135
Associate Project Manager	\$95
EPA/AHERA Asbestos Building Inspector	\$90
Geologist/Hydrogeologist/Env. Scientist II	\$80
CAD/GIS/Designer	\$80
Mold Inspector	\$75
Environmental Scientist I	\$70
Environmental Technician	\$55
Administrative Support	\$50

EQUIPMENT: All rates are per day, except where noted.

Disposables	\$35
Magnetometer	\$25
Hand Auger w/one extension	\$20
Vehicle (Incl. gas, mileage & tolls)	\$100
Water Level Indicator	\$35
Product Level Indicator	\$50
5-gallon Carbon Filter Unit	\$15

CONSUMABLES: All rates are per unit.

Tyvek Suits, each	\$25
Respirator Cartridges, per set	\$25
55-gallon Drum	\$75
Tubing - HDPE 1/2" OD x 3/8" ID (per foot)	\$0.48
Bailer – SCW 0.75" x 36" Poly	\$7.50
Bailer – SCW 1.5" x 12" Poly	\$7.50
Bailer – SCDW 1.5" x 36" Poly	\$10
5-gram EnCore Kit (Set of 3)	\$42
25-gram EnCore Kit for SPLP	\$15

ESA assesses a 6.0% insurance surcharge and then a 2% office services surcharge on all invoices.

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.

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