

RESOLUTION NO. 2021- 115

A RESOLUTION AUTHORIZING A PROFESSIONAL SERVICES AGREEMENT WITH CHAPMAN ENVIRONMENTAL SERVICES, EATONTOWN, NJ FOR 2021 LANDFILL MW AND METHANE TESTING.

WHEREAS, the City Council of the City of Vineland has adopted Resolution No. 2021-53, a Resolution pre-qualifying certain firms to submit proposals for as needed Environmental Consulting Services; and

WHEREAS, the City of Vineland requested proposals and received two (2) responses for 2021 Landfill MW and Methane Testing; and

WHEREAS, the City Engineer has recommended that a contract for the required services be awarded to Chapman Environmental Services, Eatontown, NJ, in accordance with Professional Services Contract No. C21-0038 and in accordance with proposal dated February 15, 2021, pursuant to a fair and open process; and

WHEREAS this contract is awarded in an amount not to exceed \$22,600.00; and

WHEREAS, the availability of funds for said Professional Services Contract to be awarded herein have been certified by the Chief Financial Officer; 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.

1. NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Vineland that said contract for 2021 Landfill MW and Methane Testing be awarded to Chapman Environmental Services, Eatontown, NJ, in accordance with Professional Services Contract No. C21-0038 and in accordance with proposal dated February 15, 2021, pursuant to a fair and open process, in an amount not to exceed \$22,600.00.

Adopted:

President of Council

ATTEST:

City Clerk

RECEIVED

FEB 23 2021

CITY OF VINELAND
BUSINESS ADMIN.

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

2/22/2021

(DATE)

1. Service (detailed description): 2021 Landfill MW & Methane Testing

2. Amount to be Awarded: \$ 22,600.00

- Encumber Total Award
- Encumber by Supplemental Release

3. Amount Budgeted: \$ 22,600.00

4. Budgeted: By Ordinance No. 89-16
Or Grant: Title & Year _____

5. **Account Number to be Charged: C 04 00 000 8916 70410

6. Contract Period: 1 Year

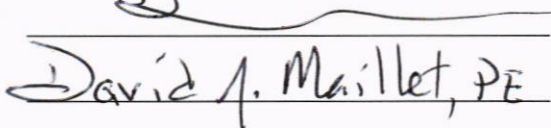
7. Date To Be Awarded: _____

8. Recommended Vendor and Address: Chapman Environmental Services, Inc.
1 Indstrl Way, Bldg A, Suit N, Eatontown, NJ

9. Justification for Vendor Recommendation:(attach additional information for Council review)
Quarterly Monitoring Well and Methane Testing is required to satisfy the Mill Rd
Landfill Closure requirements. All vendors solicited are on the Awards for RFQ
2020-36 Environmental Consulting Services list. Awarded contract is Chapman
(lowest bidder) CT# C21-0038


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

10. Evaluation Performed by: Mike Russo

11. Approved by: 

12. Attachments:

- Awarding Proposal
- Other: _____

- Send copies to:
Purchasing Division
Business Administration 

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



February 15, 2021

Attn: Michael Russo
Assistant Engineer, Civil
City of Vineland
640 E. Wood Street
P.O. Box 1508
Vineland, NJ 08362-1508

Re: **Proposal – City of Vineland
Vineland City Landfill
2021 Landfill MW & Methane Testing
City Project #21-006**

Dear Mr. Russo:

Chapman Environmental Services (Chapman) is pleased to present our proposal for 2021 Landfill MW & Methane Testing services. We sincerely appreciated the opportunity to provide this service in 2020 and look forward to continue providing reliable consulting services to the City of Vineland. Please do not hesitate to contact me at 201-341-6285 with any questions.

SCOPE OF PROPOSAL

Chapman proposes to perform annual and quarterly groundwater testing on nine (9) existing monitoring wells, as well as quarterly methane gas monitoring on 49 existing perimeter vents using a method that is acceptable by the New Jersey Department of Environmental Protection (NJDEP), all in accordance with requirements of the PERMIT. Additionally, Chapman will prepare and submit all NJDEP permit required reports to the City Engineer's office for review and submission to NJDEP.

Please see attached the BID FORM completed by Chapman showing our proposed cost for each Bid Item.

Item #1 - Quarterly Groundwater Monitoring and Reporting (Four Events)

Item #2 - Semiannual Groundwater Monitoring and Reporting (Two Events)

Item #3 - Annual Groundwater Monitoring and Reporting (One Event)

- Chapman will conduct four (4) quarterly groundwater sampling events on the subject property in accordance with the PERMIT.
- Chapman will ensure, during each groundwater monitoring event, groundwater samples shall be collected from monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-7D and MW-9 (see attached maps), using low flow sampling techniques in accordance with the New Jersey Department of Environmental Protection (NJDEP) Field Sampling Procedures Manual.
- Chapman will collect all groundwater samples using a submersible pump with variable speed controller, ensuring the submersible pump is decontaminated before sampling or purging each site well.
- Chapman will ensure the pump intake be set at the center of the screened interval.
- Chapman will adjust the pump discharge rate to minimize well-head draw-down and not exceed 0.5 liters per minute.
- During purging, Chapman will collect field readings for PH, temperature, conductivity, oxidation/reduction potential, and dissolved oxygen at each well.
- Chapman will ensure, upon stabilization of the field readings, groundwater samples shall be collected, containerized in laboratory prepared glassware with appropriate sample preservative, placed into a cooler



with ice, and transported under chain of custody to a New Jersey certified laboratory for analysis. The analytical parameters and sampling are summarized in the lists below.

- Chapman will perform semiannual groundwater sampling during the first and third quarterly sampling and shall be reported with the corresponding quarterly sampling report.
- Chapman will perform annual groundwater sampling during the first quarterly sampling and shall be reported on a separate annual sampling report.
- Upon completion of each quarterly groundwater monitoring event, Chapman will complete a Quarterly Groundwater Monitoring Report which shall be prepared in accordance with the PERMIT for submission to NJDEP.

Item #4 - Quarterly Methane Monitoring and Reporting (Four Events)

- Chapman will complete four (4) quarterly methane monitoring events to monitor subsurface methane concentrations at the perimeter of the landfill.
- During each methane monitoring event, Chapman will measure methane concentrations in each of the forty-nine (49) existing landfill gas perimeter vents using a method that is approved by the NJDEP.
- Chapman will prepare a Methane Monitoring Report which will include the Methane concentrations measured during each monitoring; the report will also include a summary table with a corresponding site plan identifying each of the gas vents.
- If hazardous concentrations of methane are detected, Chapman will contact the City of Vineland to discuss mitigation options.

Item #5: Methane Monitoring and Reporting (One Event)

- Chapman will collect flow rate measurements and % methane readings from 45 large interior passive methane vents located at the City of Vineland Landfill located on S. Mill Road. A Landtec GEM5000 landfill gas analyzer will be used to collect both flow rate and methane gas concentrations. Results will be presented in a form compatible with the current NJDEP air permit in order to reflect pound per hour and ton per year emission estimates.

Respectfully Submitted,
Chapman Environmental Services

A handwritten signature in black ink that reads "Matthew M. Mee".

Matthew Mee
Principal Scientist

Attachments

cc: File

PROPOSAL
2021 MONITORING WELL GROUNDWATER SAMPLING & TESTING
2021 PERIMETER VENT METHANE GAS MONITORING
VINELAND CLOSED LANDFILL, CITY PROJECT NO. 21-006

To the Purchasing Board
of the City of Vineland

The undersigned bidder declares he/she has read the NOTICE TO BIDDERS, INSTRUCTIONS TO BIDDERS and SPECIFICATIONS attached, that he/she has determined the conditions affecting the bid and agrees, if this proposal is accepted, and contract awarded, to complete the following:

CONTRACTOR NAME & ADDRESS:

CHAPMAN, INC - Project Manager - Matthew Mee - 201-341-6285

| ITEM | DESCRIPTION | UNIT | TOTAL AMOUNT |
|------|--|------|-------------------|
| 1 | QUARTERLY GROUNDWATER MONITORING AND REPORTING (9 MONITORING WELLS) (FOUR EVENTS) | LS | <u>\$8,000.00</u> |
| 2 | SEMIANNUAL GROUNDWATER MONITORING AND REPORTING (9 MONITORING WELLS) (TWO EVENTS) (RESULTS TO BE INCLUDED WITH 1ST & 3RD QUARTER REPORT) | LS | <u>\$4,700.00</u> |
| 3 | ANNUAL GROUNDWATER MONITORING AND REPORTING (9 MONITORING WELLS) (ONE EVENT) (TO BE PERFORMED DURING FIRST QUARTER SAMPLING) | LS | <u>\$5,700.00</u> |
| 4 | QUARTERLY METHANE MONITORING AND REPORTING (49 PERIMETER VENTS) (FOUR EVENTS) | LS | <u>\$2,200.00</u> |
| 5 | METHANE MONITORING AND REPORTING (45 LARGE VENTS ON TOP OF LANDFILL) (ONE EVENT) | LS | <u>\$2,000.00</u> |

Total Amount Bid \$22,600.00