

RESOLUTION NO. 2015-72

A RESOLUTION TO AMEND AND SUPPLEMENT RESOLUTION NO. 2014-75, AUTHORIZING PROFESSIONAL SERVICES FOR ENHANCED FLUID RECOVERY AND GROUNDWATER SAMPLING FOR THE VINELAND MUNICIPAL ELECTRIC UTILITY, IN THE AMOUNT OF \$5,680.00.

WHEREAS, the City Council of the City of Vineland, on February 11, 2014, adopted Resolution No. 2014-75, entitled “A RESOLUTION AUTHORIZING AN AGREEMENT FOR PROFESSIONAL SERVICES WITH BRINKERHOFF ENVIRONMENTAL SERVICES, INC., MEDFORD, NJ, FOR ENHANCED FLUID RECOVERY AND GROUNDWATER SAMPLING FOR THE VINELAND MUNICIPAL ELECTRIC UTILITY”; and

WHEREAS, there exists a need to amend and supplement the Professional Services contract awarded to Brinkerhoff Environmental Services, Inc., Medford, NJ, for Enhanced Fluid Recovery and Groundwater Sampling for the Vineland Municipal Electric Utility, as authorized by Resolution No. 2014-75; by change order to Contract No. C14-0037, to conduct additional environmental services; the New Jersey Department of Environmental Protection has requested the following:

1. Calculations to determine the estimated Classification Exception Area of the Volatile organic compounds;
2. Sampling and testing of additional monitoring wells in order to determine down gradient groundwater impacts; and

WHEREAS, the City Comptroller has certified that funds for the amendment requested herein are available; now, therefore,

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

1. THAT Resolution No. 2014-75, entitled “A RESOLUTION AUTHORIZING AN AGREEMENT FOR PROFESSIONAL SERVICES WITH BRINKERHOFF ENVIRONMENTAL SERVICES, INC., MEDFORD, NJ, FOR ENHANCED FLUID RECOVERY AND GROUNDWATER SAMPLING FOR THE VINELAND MUNICIPAL ELECTRIC UTILITY”; be and the same is hereby amended and supplemented to increase maximum amount of the contract by \$5,680.00.

2. THAT the Purchasing Agent be and the same is hereby authorized to issue an amendatory supplemental change order to Contract No. C14-0037, in the amount of \$5,680.00.

Adopted:

President of Council

ATTEST:

City Clerk



February 3, 2015

REPORT

TO: THE MAYOR AND COUNCIL

RE: Amendatory Supplemental Change Order No. 1
Contract No. C14-0037
Enhanced Fluid Recovery and Groundwater Sampling - VMEU
Brinkerhoff Environmental Services, Inc., Medford, NJ

Dear Mayor and Members of Council:

We are requesting an amendatory supplemental change order to Contract No. C14-0037, issued to Brinkerhoff Environmental Services, Inc., Medford, NJ for Enhanced Fluid Recovery and Groundwater Sampling for the Vineland Municipal Electric Utility. This contract was authorized by Resolution No. 2014-75, adopted by City Council on February 11, 2014.

The change order requested in the amount of \$5,680.00 will provide for to conduct additional environmental services; the New Jersey Department of Environmental Protection has requested the following:

1. Calculations to determine the estimated Classification Exception Area of the Volatile organic compounds;
2. Sampling and testing of additional monitoring wells in order to determine down gradient groundwater impacts.

This change order will increase the original contract amount from \$20,000.00 to \$25,680.00.

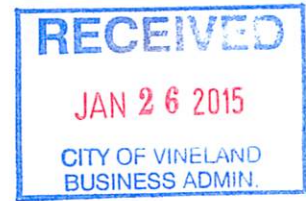
The amendatory supplemental change order for which authorization is herein requested may be authorized in accordance with N.J.A.C. 5:34-4.1 et seq.

Sincerely,

A handwritten signature in blue ink, appearing to read "R. Dickenson", is written over the word "Sincerely,".

Robert Dickenson
Assistant Business Administrator

RD/wr



REQUEST FOR CHANGE ORDER

FOR:

Enhanced Fluid Recovery and Groundwater Sampling
PROJECT NAME

TO: BUSINESS ADMINISTRATION

DEPARTMENT: Electric Utility FROM: _____

This is a request for change order # 1 to Contract # C14-0037 for:

Project Name Enhanced Fluid Recovery and Groundwater Sampling
Name/Address of Contractor: Brinkerhoff Environmental Services, Inc.
133 Jackson Road, Suite D
Medford, NJ 08055

The change order is necessary because: (use additional pages if necessary to explain your reason and you must attach *documentation to support the necessity of this change order.

*(Documentation from contractor, engineer, etc.)

See attached documentation

Original Contract Amount: \$ 20,000.00
Amount of this change order: \$ 5,680.00 ✓
Previous Change Orders: \$ 0
Total Revised Amount: \$ 25,680.00

APPROVED BY: J A ISABELLA [Signature] [Signature]
Print/type Signature 1/26/15

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

Please provide the account number that the change order will be charged to:

Account # 002-0-54-90-9003-2-5023038E588

CC: Purchasing Division

[Handwritten mark]

Supplemental Environmental Services for Groundwater Monitoring

On February 12, 2014 contract number C14-0037 in the amount of \$20,000 was awarded to Brinkerhoff Environmental Services to conduct two Enhanced Fluid Recovery procedures on monitoring well 4 (MW-4) adjacent to the fuel dispensing system located near the southeast corner of the electric utility distribution building. The contract also included groundwater sampling and testing. It was necessary to have these services performed by a Licensed Site Remediation Professional in order to comply with New Jersey Department of Environmental Protection requirements. Brinkerhoff has been conducting groundwater sampling of MW-4 following an underground fuel storage tank leak 25 years ago.

Testing of groundwater samples from MW-4 following the first EFR demonstrated compliance with NJDEP criteria. Unfortunately, the groundwater samples collected following the second EFR event were found to have volatile organic compound concentrations that exceeded NJDEP maximum allowable regulatory levels. Because we were not able to demonstrate compliance, NJDEP required the submittal of a Remedial Action Permit Application for Groundwater and a Biennial Certification Report. The application and report were prepared by Brinkerhoff and submitted to NJDEP to meet a May 7, 2014 deadline. The total amount paid to Brinkerhoff for conducting two EFR procedures, groundwater sampling and testing followed by preparation of a Remedial Action Permit Application and a Biennial Certification Report was \$6,393.75.

NJDEP performed an administrative and technical review of the report and permit application and responded on January 7, 2015 to the LSRP at Brinkerhoff assigned to the project and requested that VMEU provide the following:

- Calculations to determine the estimated Classification Exception Area of the volatile organic compounds and
- Sampling and testing of additional monitoring wells in order to determine down gradient groundwater impacts.

Please be advised that VMEU must comply with NJDEP's request. Brinkerhoff has submitted the attached proposal to complete the requested scope of work at an estimated cost of \$5,680. Since Brinkerhoff has provided environmental services pertaining to MW-4 for several years, it is anticipated that it would be difficult for VMEU to change firms providing LSRP services for this project without NJDEP questioning the change. An award of a purchase order to Brinkerhoff is recommended.

Joe Colla



133 Jackson Road, Suite D
Medford, New Jersey 08055
Tel: (609) 714-2141
Fax: (609) 714-2143
www.brinkenv.com

January 12, 2015

Mr. Joseph Colla
Vineland Municipal Electric Utility
415 North West Avenue
Vineland, New Jersey 08362-1508

Re: **Proposal – Supplemental Environmental Services Requested by NJDEP**
Vineland Municipal Electric Utility
415 North West Avenue, Vineland, New Jersey
Brinkerhoff Proposal No. P-15M010

Dear Mr. Colla:

Brinkerhoff Environmental Services, Inc. (Brinkerhoff) prepared this proposal to conduct supplemental environmental services at the above-referenced property.

As you know, a Biennial Certification Report (with a revised Classification Exception Area [CEA]) and a Remedial Action Permit for Groundwater Application were submitted to the New Jersey Department of Environmental Protection (NJDEP) in 2014 since post groundwater sampling/testing completed to date on well MW-4 has not revealed compliance with the NJDEP Class II-A Criteria. NJDEP performed an administrative and technical review of the report and permit application and responded to the project Licensed Site Remediation Professional (LSRP) with a request for further information/work. The requested items are provided below as per a January 7, 2015 email from NJDEP:

1. **Item 1 - CEA/Well Restriction Area (CEA/WRA) Fact Sheet Form:** A fate and transport model and associated calculations were not provided by Brinkerhoff for the Volatile Organic Compound (VOC) Tentatively Identified Compounds (TICs) that remain at the site since often there is not adequate data to perform the calculations. An indeterminate CEA duration was proposed by Brinkerhoff for the VOC TICs with a corresponding sampling/monitoring plan.

NJDEP requested that an estimated CEA duration be calculated for the VOC TICs, with the fate and transport modeling and calculations submitted for review. *Est. cost = \$1,190.00*

2. **Item 2 - Ground Water Monitoring Plan:** Since the CEA at the site is only for one (1) well, MW-4, the site Groundwater Monitoring Plan prepared by Brinkerhoff only included sampling that source area well and did not include sampling any additional remaining monitoring wells. Prior/historic flow direction determinations performed by others concluded that the groundwater flow fluctuates due to mounding (travels outward from MW-4 in a northeasterly and southwesterly direction). According to historic site maps, two (2) monitoring wells are present downgradient of MW-4 in the northeasterly and southwesterly direction (MW-3 and MW-5).

NJDEP requested that a sentinel well be sampled/tested (in addition to well MW-4) as part of the groundwater monitoring program to verify that there are no downgradient groundwater impacts. Since prior flow calculations have indicated two (2) flow directions (and two (2) potential sentinel wells), and it is uncertain whether the conditions are still the same, it is recommended that the project wells at the site be surveyed to confirm the current direction. Upon determination of the groundwater flow in the area of MW-4, and assuming that the wells are still in place and in a condition to be sampled, it is recommended that one (1) or both of the downgradient wells be sampled and tested for VOCs. NJDEP requested that the Groundwater Monitoring Plan and CEA map be revised accordingly and submitted for review.

- 3. **Item 3 - LSRP Retention:** The NJDEP representative indicated that Mr. Thomas K. Uzzo and Laura A. Brinkerhoff are shown as being both retained as an LSRP for the site/case. It is suspected that Mr. Uzzo was associated with the prior UST Case from 2011/2012 at the site.

NJDEP asked that it be confirmed that Mr. Uzzo is not the LSRP for this case.

Associated with fuel tank.

PROPOSED SCOPE OF WORK

Task 1 – Revised Calculations *Est. cost = \$1,190.00*

Brinkerhoff shall perform fate and transport modeling and calculations to determine an estimated CEA duration for the VOC TICs.

Task 2 – Groundwater Surveying and 2015 Annual Sampling

Est. cost = \$2,000.00

Est. cost = \$1,750.00

Est. total cost = \$2,000.00 + \$1,750.00 = \$3,750.00

Assuming that the project monitoring wells are still in place and in satisfactory condition, the five (5) project wells (MW-1 through MW-5) shall be surveyed by a NJ Licensed Surveyor in order to calculate groundwater flow direction.

A sampling round will subsequently be performed of well MW-4 and the wells determined to be downgradient of MW-4. At this time, it is assumed that mounding is still occurring at the site and both downgradient wells (MW-3 and MW-5) will require sampling. Should only one (1) flow direction be determined, then only one (1) sentinel well will require sampling. The wells will be properly purged and sampled via the required low-flow technique. The groundwater samples will be submitted under a chain-of-custody to a New Jersey-certified laboratory for VOC+15 analyses.

The findings of the surveying and sampling shall be provided to NJDEP at a later date as part of the next Biennial Certification due in July 2016. A reference to the work being performed shall be included in the letter report identified below in Task 4.

Task 3- LSRP Verification

Verification regarding the LSRPs registered for the site shall be made through consultation with Vineland Electric. Information regarding this item shall be provided to NJDEP as requested.

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Task 4 – NJDEP Submission

Est. cost = \$750.00

An addendum submission shall be prepared for NJDEP submittal which shall include the fate and transport modeling and calculations, the newly calculated CEA duration, a revised groundwater monitoring plan and a revised CEA plan.

ESTIMATED COST

Brinkerhoff's estimated fee to complete the above Scope of Work is as follows:

Calls, Consultation, Coordination, Calculations & LSRP Review/Oversight

LSRP; est. four (4) hours @ \$185/hour	\$740.00	} <i>\$1,190.00</i>
Project Manager; est. three (3) hours @ \$150/hour	450.00	

Well Surveying

Five (5) wells 2,000.00

Groundwater Sampling (one (1) day/round)

Vehicle, Field Equipment & PID; one (1) day @ \$150/day	150.00	} <i>\$1,740.00</i>
Geologist; eight (8) hours @ \$105/hour	840.00	
TCL VOCs+15; five (5) samples @ \$150/sample (includes 2 blanks)	750.00	

NJDEP Submission

Letter Report Preparation 750.00

Total Estimated Cost \$5,680.00

The project will be initiated upon authorization to proceed. A signed proposal and Purchase Order (PO) will be required prior to initiation of the scope of services. The Client will be progress invoiced monthly. Payment for services is due net 30 days.

EXCLUSIONS

The following tasks are specifically excluded from this agreement but may be performed by Brinkerhoff:

1. The above charges are estimated, and hours in exceedence of those above or outside the Scope of Work will be billed at the following rates:

Principal/LSRP	\$185 per hour
Project Manager	\$150 per hour
Geologist/ Environmental Scientist	\$105 per hour
Administrative	\$55 per hour
Materials	Cost plus 20 percent

2. The chemical laboratory pricing is based on a standard turnaround time. If an expedited turnaround is required, then additional costs will be incurred.

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3. If unforeseen project delays increase the estimated time required to conduct the proposed Scope of Work, then additional costs will be incurred at the above stated rates.
4. It is assumed that signature of this proposal provides authorization to access the property by the Client and property owner.
5. This proposal does not include NJDEP fees or assistance with NJDEP invoices/payment requirements. All NJDEP fees and invoice timeline requirements/processing are the responsibility of the Client.
6. LSRP services are an estimate and shall be performed and invoiced at a rate of \$185/hour.
7. Time and materials associated with follow-up consultation with NJDEP, if applicable, including additional site visits, will be invoiced additionally in accordance with the rates noted above.
8. Pricing is based on the assumption that the original wells from the project are still in place and suitable to be surveyed and sampled. Should the wells be found to be abandoned, damaged or not suitable to be used, then at least one (1) additional well will be required. The fees for the installation of additional wells are not included and can be addressed under separate cover if deemed necessary.
9. The information obtained from the well survey and sampling effort shall be formally provided in the 2016 Biennial Certification Report. A fee and Scope of Work for that report shall be provided at a later date.

If the attached Scope of Work is acceptable, please sign below and return one (1) copy of the proposal along with the PO to our office by fax and hardcopy. If you have questions, please feel free to contact me at (609) 714-2141.

Sincerely,
BRINKERHOFF ENVIRONMENTAL SERVICES, INC.


Jennifer M. Taylor
Project Manager

Jmt:JMT

AUTHORIZATION TO PROCEED

Signature

Date