

**RESOLUTION NO. 2020-60**

**WHEREAS**, the Township Council of the Township of Aberdeen is in need of professional LSRP engineering services associated with the Strathmore Area Pump Station; and

**WHEREAS**, CME Associates submitted a proposal on September 24, 2019 for aforementioned LSRP engineering services for a cost not to exceed the sum of \$98,480.00; and

**NOW, THEREFORE, BE IT RESOLVED** by the Township Council of the Township of Aberdeen that the Manager and Clerk are authorized to execute an agreement with CME Associates for a cost not to exceed the sum of \$98,480.00, in accordance with a proposal dated September 24, , 2019, attached hereto and made part of this resolution.

This agreement is made without competitive bidding as a “professional service” under the provisions of the Local Public Contracts Law, N.J.S.A. 40A:11-5(1)a(I).

**BE IT FURTHER RESOLVED** the Director of Finance has certified to the Township Manager that there are available sufficient funds for the purpose of award of this contract in the Capital Budget under the following line item appropriation of said budget to which this contract will be properly charged: 0-16-1-103-261.

JOHN H. ALLGAIR, PE, PP, LS (1983-2001)  
DAVID J. SAMUEL, PE, PP, CME  
JOHN J. STEFANI, PE, LS, PP, CME  
JAY B. CORNELL, PE, PP, CME  
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LAURA J. NEUMANN, PE, PP  
DOUGLAS ROHMEYER, PE, CFM, CME  
ROBERT J. RUSSO, PE, PP, CME  
JOHN J. HESS, PE, PP, CME

September 24, 2019

Mr. Dan Mason, Acting Township Manager  
Township of Aberdeen  
One Aberdeen Square  
Aberdeen, New Jersey 07747

**Re: Proposal – LSRP Services  
Remedial Action  
Strathmore Area Pump Station  
Block 6 Lot 50.02  
Township of Aberdeen, Monmouth County**

Dear Mr. Mason:

CME Associates (CME) is pleased to submit this proposal for Licensed Site Remediation Professional (LSRP) services related to implementation of a remedial action at the Strathmore Area Pump Station site in Township of Aberdeen (Block 6 Lot 50.02).

### **Background**

Previous investigations identified several contaminated areas of concern related to historic operations at the site. The Township retained Behram Turan, P.E., LSRP of CME Associates as the Licensed Site Remediation Professional (LSRP) to direct remedial activities pursuant to the *Administrative Requirements for the Remediation of Contaminated Sites* (N.J.A.C. 7:26C) and the *Technical Requirements for Site Remediation* (N.J.A.C. 7:26E). A Remedial Action Workplan (RAW) to address soil and groundwater contamination on the site was issued in July 2019. This proposal includes tasks to implement site remediation activities in accordance with the July 2019 RAW.

The proposed remedial actions are appropriately protective of human health, safety and the environment, and are consistent with continued non-residential use of the site as a municipal sewage pump station.

The next step in the site remediation process is to perform remedial action activities as recommended in the July 2019 RAW. The proposed remedial action scope of work is outlined below:

### **Scope of Work**

#### **Task 1: Additional Remedial Action Workplan Activities**

Additional services were required to complete the Remedial Action Workplan (RAW) in accordance with applicable regulations.



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### **Task 2: Groundwater Monitoring**

Groundwater contamination related to a former gasoline UST remains at concentrations above remedial standards in AOC-1. Groundwater monitoring will be conducted to evaluate monitored natural attenuation (MNA) as an appropriate remedy. Groundwater will be sampled on a quarterly basis to evaluate the stability of the contaminant plume and confirm that contaminant concentrations are decreasing over time. Five (5) quarterly rounds of groundwater samples will be collected using the five (5) existing on-site monitoring wells.

Groundwater will be purged from the monitoring wells using a standard volumetric purging methodology in conformance with NJDEP *Field Sampling Procedures Manual* (NJDEP SRP, Updated April 11, 2011). Groundwater levels and water quality indicator parameters including DO, ORP, pH, conductivity, temperature, and turbidity will be measured in the field at each monitoring well.

Each discrete groundwater sample will be analyzed at a New Jersey-certified laboratory with a standard turnaround time for volatile organic compounds (VO+10) and semi-volatile organic compounds (BN+15) with selective ion monitoring (SIM). One (1) field blank sample (per day), one (1) trip blank sample (per sampling event), and one (1) duplicate sample (per sampling event) will be collected.

The sampling data will be evaluated using appropriate statistical methods in accordance with applicable NJDEP guidance. Analytical results will be compared to the Class IIA Ground Water Quality Standards (N.J.A.C. 7:9C).

### **Task 3: Deed Notice**

Soil contamination is present in the area of the former waste water treatment basins (AOC-7) at concentrations above the most stringent remediation standards but below non-residential standards. Since the land use is expected to remain the same (i.e. the municipal sewage pump station operations will continue), the soil contamination will remain in place. However, in accordance with the requirements at N.J.A.C. 7:26E-5.2(a)4 and N.J.A.C. 7:26C-7.2, a deed notice will be established. A deed notice is an institutional control which provides notice that contamination is present on the site above the most stringent applicable remediation standards.

The deed notice will be prepared in conformance with the Model Deed Notice at N.J.A.C. 7:26C, Appendix B and filed at the County Clerk's office. The deed notice will also contain the required exhibits including the narrative description, restricted area map, and restricted area data table.

### **Task 4: Remedial Action Report (RAR)**

CME will prepare a Remedial Action Report (RAR) in accordance with N.J.A.C. 7:26E-5.7 to document the remedial activities and completion of the site remediation in accordance with applicable



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requirements. The RAR will present a technical overview of the remedial action implementation. The RAR will include sample location plans, data tables, performance data and monitoring records, laboratory analytical reports, data quality assessment and data usability evaluation, NJDEP-formatted laboratory electronic data deliverables (EDD), and remediation cost summary. The RAR will also include a detailed statistical analysis of groundwater contaminant concentration trends to demonstrate that natural attenuation processes are operating at the site and MNA is an appropriate remedy. If the groundwater monitoring results indicate that MNA is not effective, an alternative remedy will be recommended.

The RAR will include applicable forms and a Case Inventory Document (CID) in accordance with NJDEP requirements.

Pursuant to N.J.A.C. 7:26E-1.12 et seq., an updated receptor evaluation is required. CME will prepare a receptor evaluation in accordance with the regulatory requirements at N.J.A.C. 7:26E-1.12 to 1.16.

#### **Task 5: Remedial Action Permits (RAP)**

In accordance with the requirements at N.J.A.C. 7:26C-7.5, CME will prepare and submit applications for the following Remedial Action Permits (RAP):

- Remedial Action Permit - Soil
- Remedial Action Permit - Groundwater

The soil RAP is for operation of the institutional control (deed notice) in AOC-7. The groundwater RAP is for implementation of a MNA remedy in AOC-1. The RAPs will define the post-remedial regulatory monitoring, maintenance, certification, and reporting requirements. This proposal includes the application fees.

Note that a Classification Exception Area (CEA) for groundwater contamination at the site was established on May 23, 2019. Also note that even if MNA is shown to be effective, NJDEP will require further groundwater monitoring in accordance with the RAP conditions.

#### **Task 6: Response Action Outcome (RAO)**

Following the successful completion of the remediation in accordance with all applicable regulations and receipt of the RAPs, the LSRP will prepare a Response Action Outcome (RAO) for the contaminated areas of concern on the site in accordance with the *Administrative Requirements for the Remediation of Contaminated Sites* (N.J.A.C. 7:26C-6). The RAO is a written determination by the LSRP indicating that the contaminated areas of concern were remediated in accordance with applicable regulations and that no further remedial action is required.



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### Proposed Budget

The total estimated budget to provide the scope of services outlined above is **\$98,480** as follows:

Task	Cost
Task 1: Additional Remedial Action Workplan Activities	\$23,150
Task 2: Groundwater Monitoring	\$39,680
Task 3: Deed Notice	\$4,480
Task 4: Remedial Action Report	\$20,180
Task 5: Remedial Action Permits	\$6,740
Task 6: Response Action Outcome	\$4,250
<b>Total</b>	<b>\$98,480</b>

The total cost includes an estimated **\$18,100** in sub-contracted fees (laboratory and rental field equipment) and permit fees. The budget contained in this proposal is the firm's best estimate of the effort required to complete the Scope of Work outlined above. However, the client will be billed for the actual effort expended to implement the Scope of Work on a time and material basis.

### Limitations

CME assumes that the Township will directly pay the NJDEP annual remediation fees for the site. This proposal is limited to the scope outlined above. Depending on the findings, additional work may be required to comply with applicable regulations. This proposal does not include additional monitoring and biennial certifications in accordance with RAP conditions. If additional services are required for this project, CME will provide a separate proposal upon request.

### Special Conditions for LSRP Services

- The ARRCS requires the person responsible for conducting a remediation to notify the NJDEP of any confirmed discharges of contaminants or condition of Immediate Environmental Concern ("IEC"). Please note that being an LSRP, as a State licensed professional, I will thus have the obligation to report any such conditions to the NJDEP without obtaining any prior approval from the client.



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- LSRP will provide the required services in accordance with SRRA and has the obligation to submit, maintain and preserve the relevant documents.
- LSRP is not responsible for client's failure to disclose relevant information, perform SRRA obligations, fund remediation, and follow LSRP's recommended actions. Client's failure to perform these obligations may result in fines/penalties by the NJDEP.
- The issuance of RAO by LSRP is not a guarantee or warranty that the site is free of contamination, or that it will be accepted by the NJDEP.
- NJDEP may audit the RAO within three (3) years after the date the LSRP filed the RAO with the NJDEP. LSRP is not responsible for additional requirements imposed by NJDEP after review/audit, except to the extent they arise out of LSRP's negligence.

We look forward to working with the Township on this important project. Should you have any questions regarding this matter, please do not hesitate to contact this office,

Very truly yours,

**CME Associates**

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Behram Turan, PE, LSRP  
*Principal*

cc: Sandra Caceres, Director of Public Works/ Township of Aberdeen  
Michael J. McClelland, P.E., P.P., C.M.E./ CME Associates



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**Re:        Proposal – LSRP Services  
             Remedial Action  
             Strathmore Area Pump Station  
             Block 6 Lot 50.02  
             Township of Aberdeen, Monmouth County**

The estimated budget for the Licensed Site Remediation Professional (LSRP) services related to implementation of a remedial action at the Strathmore Area Pump Station site in Township of Aberdeen (Block 6 Lot 50.02) is at **\$98,480**.

ACCEPTED BY:  
TOWNSHIP OF ABERDEEN

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PROPOSED BY:  
CME ASSOCIATES

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Behram Turan, PE, LSRP  
*Principal*