

RESOLUTION NO. 2017-82

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

WHEREAS, Michael McClelland, CME Associates submitted a proposal on December 6, 2016 for aforementioned engineering services.

NOW, THEREFORE, BE IT RESOLVED by the Township Council of the Township of Aberdeen that the Mayor and Clerk are authorized to execute an agreement with CME Associates for a cost not to exceed the sum of \$116,717.00, in accordance with a proposal dated December 6, 2016, 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 that this resolution is subject to the Township Manager’s certification of availability of Township of Aberdeen funds.



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December 6, 2016

Ms. Holly Reycraft, Township Manager
Township of Aberdeen
One Aberdeen Square
Aberdeen, New Jersey 07747

**Re: Proposal – Additional LSRP Services
Strathmore Area Pump Station
Block 6 Lot 50.02
Township of Aberdeen, Monmouth County
Our File No.: PAB0314.02**



Dear Ms. Reycraft:

CME Associates, through its Environmental Division, Icon Engineering, has prepared the following scope of work and cost estimate for additional LSRP services including completion of the remedial investigation, additional groundwater monitoring, additional ecological investigations, and a Remedial Action Workplan (RAW) at the Strathmore Area Pump Station site.

Background

Several contaminated areas of concern have been previously identified on-site and the Township retained Behram Turan, P.E., LSRP of CME Associates as the Licensed Site Remediation Professional (LSRP) to direct remedial activities at the site. As documented in the *Preliminary Assessment Report* (January 2006), *Site Investigation Report* (July 2013), and *Remedial Investigation Report* (June 2016) (RIR) all remedial activities were conducted in accordance with the *Technical Requirements for Site Remediation* (TRSR, N.J.A.C. 7:26E) and New Jersey Department of Environmental Protection (NJDEP) technical guidance. Soil, sediment, surface water and groundwater are contaminated at concentrations above applicable remediation standards.

Remedial activities were expedited in an effort to meet a May 7, 2016 regulatory deadline to submit a completed remedial investigation report (RIR) to NJDEP. A May 2016 RIR was completed for the site and submitted to NJDEP.

Based on the remedial investigation findings, further action is required pursuant to N.J.A.C. 7:26E. The next step in the site remediation process is to prepare a Remedial Action Workplan (RAW) in order to define the appropriate remedial standards for human and ecological receptors and to specify a remedy for the existing and proposed land use. The proposed scope of work outlined below includes tasks directly related to the RAW preparation.



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Scope of Work

Task 1: Additional Remedial Investigation Activities

Additional remedial investigation activities were performed and included the following:

- Conducted additional soil and groundwater investigation using Geoprobe equipment including soil borings and temporary well points;
- Additional soil and groundwater sampling events including laboratory cost;
- Review and process additional soil and groundwater laboratory data; and
- Quality control and data usability evaluation for additional laboratory results.

Task 2: Additional Groundwater Monitoring

Groundwater will be monitored to further characterize the groundwater plume and that groundwater contaminant concentrations indicate a downward trend. Two (2) additional rounds of groundwater samples will be collected at the five (5) on-site monitoring wells on a quarterly basis. Groundwater will be purged from the monitoring wells using a standard volumetric purging methodology. Each discrete groundwater sample will be analyzed for volatile organic compounds (VO+15) and semi-volatile organic compounds (SVOC+20) with Selective Ion Monitoring to detect low level concentrations. 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.

Task 3: Additional Ecological Assessment

Certain contaminated areas of concern at the site impact environmentally sensitive natural resources including wetlands, riparian zones, and streams. Therefore, it is presumed that cleanup of the contamination in these areas will be largely driven by ecological considerations. The findings of previous ecological studies at the site indicate that contaminant concentrations in the stream sediments and wetland soils may pose a potential risk to wildlife. Additional ecological investigations including macroinvertebrate sampling, habitat assessment, and food chain modeling will be conducted to further evaluate the impact of site contamination. CME will retain the services of a specialized ecological consultant to assist in the assessment. CME will coordinate with NJDEP regulators relative to their acceptance of the proposed cleanup goals.

Task 4: Remedial Action Workplan

CME Associates will prepare a Remedial Action Workplan (RAW) in accordance with N.J.A.C. 7:26E-5.5. The RAW will present a detailed technical description of the proposed remedial action, including remediation standards, treatment and soil reuse plan, waste management plan, verification sampling plan, monitoring schedule, site plans, health and safety plan, quality assurance plan, site restoration plan, and cost estimate.



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Proposed Budget

The total estimated budget to provide the scope of services outlined above is \$116,717.00 as follows:

Task	Cost
Task 1: Additional Remedial Investigation Activities	\$37,917.00
Task 2: Groundwater Monitoring	\$14,300.00
Task 3: Ecological Risk Assessment	\$46,700.00
Task 4: Remedial Action Workplan	\$17,800.00
Total	\$116,717.00

The total cost includes an estimated \$47,000.00 in sub-contracted fees (laboratory, ecological testing, and rental field equipment). 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

We understand 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. A remedial action at additional cost will be required to complete the site remediation and issue a Response Action Outcome (RAO) for the areas of concern. No permitting and no remedial action construction oversight or technical services are proposed at this time. If additional services are required for this project, CME will provide a separate proposal upon request.

Special Conditions for LSRP Services

- The enactment of the Site Remediation Reform Act (SRRA; N.J.S.A. 58:10C-1 et seq) on May 7, 2009, and the adoption of the Administrative Requirements for the Remediation of Contaminated Sites (ARRCS; N.J.A.C. 7:26C) on November 4, 2009 require that all new remediation cases follow the provisions of SRRA. A key requirement of these rules is that a Licensed Site Remediation Professional (LSRP) must oversee all new remediation cases.
- 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.
- LSRP will provide the required services in accordance with SRRA and has the obligation to submit, maintain and preserve the relevant documents.

