



September 5, 2023

Mr. Robert Wicks
Supervisor
Town of Lysander
8220 Loop Road
Baldwinsville, New York 13027
supervisor@townoflysander.org

**RE: 2023 Lysander Landfill Annual Monitoring
Town of Lysander, New York
CHA Proposal No. X84598**

Dear Supervisor Wicks:

CHA is pleased to submit this proposal to provide annual groundwater monitoring and reporting services for the closed Town of Lysander Landfill, located near the intersection of County Line Road and Lamson Road (Route 34) in the Town of Lysander, Onondaga County, New York. This proposal covers the fourth quarter 2023 monitoring event and reporting. Our proposed Scope of Services, Schedule, and Fee are summarized in the following sections.

I. SCOPE OF SERVICES (Exhibit A)

Monitoring activities will be conducted on an annual basis and monitoring will rotate between the second quarter and fourth quarter each year, with a sampling of NYCRR Part 360 baseline parameters occurring every third sampling event. This annual sampling event will occur in the fourth quarter of 2023 and the monitoring wells will be sampled for New York Codes, Rules, and Regulations (NYCRR) Part 363 routine parameters.

It is our understanding that dedicated polyethylene bailers are installed and able to be used at each of the nine on-site monitoring well locations. Depth to static water level will be measured prior to purging and sampling activities to calculate the volume of water in each well. Each monitoring well will be purged using conventional groundwater sampling methods by removing three well volumes of water and recording field water quality parameters including pH, temperature, specific conductivity, oxidation reduction potential, turbidity, and dissolved oxygen. Purged water is not anticipated to be containerized and will be discharged to the ground surface. If the monitoring well is purged dry prior to the requisite three well volumes, the monitoring well will be allowed to recharge prior to sampling. CHA staff will don a new pair of nitrile gloves prior to collecting the sample in the laboratory provided sample containers.

Surface water samples will be collected from two locations: one upgradient of the landfill and one downgradient of the landfill. The samples will only be collected if sufficient water is present. The surface water samples will be analyzed for routine parameters.

The samples will be submitted to a New York State Department of Health approved laboratory under proper chain-of-custody procedures. The samples will be analyzed on a standard turn around time of 14 days.

II. PROJECT SCHEDULE (Exhibit B)

The 2023 sampling event will occur in the fourth quarter. A specific date will be coordinated with the Town of Lysander. After the sampling event, CHA will submit a summary report to the Town of Lysander no later than 30 days after receipt of the laboratory results.

The schedule and type of analysis required for future sampling events is provided below.

Year	Quarter Event Occurs	Laboratory Analysis
2023	Fourth	Routine
2024	Second	Routine
2025	Fourth	Baseline
2026	Second	Routine
2027	Fourth	Routine
2028	Second	Baseline
2029	Fourth	Routine
2030	Second	Routine

III. FEE (Exhibit C)

CHA proposes to be compensated for the services described in Exhibit A in the cost not to exceed amount of **\$10,300**. CHA will invoice expenses and laboratory analytical at cost. A break down of costs is provided in the following table.

Task Description	Fee
Routine Sampling Event	\$6,300
<i>CHA Labor.....\$2,800</i>	
<i>Subcontracted Analytical.....\$3,200</i>	
<i>Expenses.....\$300</i>	
Reporting	\$4,000
Total Fee	\$10,300

IV. ASSUMPTIONS

- CHA has budgeted for one day of field work for the event. For health and safety purposes, CHA will utilize a two-person team to complete all field tasks.
- If additional work is required for this project, CHA will first obtain written approval for the work and will complete the work on an hourly basis at our rates shown above.
- CHA has not budgeted for any maintenance or repair to the landfill cover system, drainage controls, perimeter fencing, etc. CHA assumes that Town will be able to provide maintenance (e.g. mowing the landfill surface) and perform any necessary repairs (e.g. filling in animal burrows).
- CHA has prepared this proposal using the 2022 annual report to guide the required scope of services. The Town of Lysander Closed Landfill Post-Closure Monitoring & Maintenance Plan has not been provided to CHA for review. If additional work is necessary to comply



with the requirements of that document, CHA will provide the Town of Lysander with an additional scope and fee under an Extra Work Authorization.

Thank you for considering CHA for your engineering needs. If the above scope, schedule and fee are acceptable, please sign this proposal and **email the signed copy to Allen Yager at ayager@chacompanies.com**. Should you have any questions, please do not hesitate to contact Karyn Ehmann at (315) 257-7250.

Sincerely,



Allen Yager, P.E.
Senior Engineer V
Project Manager II

Accepted/Authorized by:

Robert Wicks, Town of Lysander Supervisor