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Series of 2022	

A RESOLUTION APPROVING A FIRST AMENDMENT TO THE PROFESSIONAL SERVICES AGREEMENT WITH ADVANCED ENVIRONMENTAL TECHNOLOGIES, LLC (AET)

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF COMMISSIONERS OF THE NORTHGLENN URBAN RENEWAL AUTHORITY, THAT:

<u>Section 1</u>. AET executed a Professional Services Agreement dated October 9, 2019 to provide contamination mitigation services in two phases and was authorized to continue to provide the services as described in the second phase of Services set forth in the Agreement.

<u>Section 2.</u> The First Amendment to the Professional Services Agreement attached hereto as **Exhibit A** is hereby approved in the amount not to exceed an additional Five-Thousand Three Hundred Dollars and Zero Cents (\$5,300.00), and the Chair is authorized to execute the same on behalf of the Authority.

	DATED this	day of	, 2022
			Rosie Garner
			Chair
ATTEST:			APPROVED AS TO FORM
Debbie Tuttle Executive Director			Jeff Parker Board Attorney

FIRST AMENDMENT TO AGREEMENT FOR PROFESSIONAL SERVICES

day of, 2022, by	and betwo	EMENT is made and entered into this veen the Northglenn Urban Renewal Authon, Colorado 80233-8061 (hereinafter referre Technologies, LLC (AET)	ority,
For the consideration here hereby acknowledged, the Parties		et forth, the receipt and sufficiency of which	ch is
	t"), entered	he Agreement for Professional Services of d into by and between NURA and Consulta forth in the attached Exhibit A .	
		reby approved in the amount not to excee Dollars and Zero Cents (\$5,300.00).	d an
3. All other terms and effect.	conditions	s of the Agreement shall remain in full force	and
IN WITNESS WHEREOF, on the date first set forth above.	the Partie	es hereto have executed this First Amend	ment
		ORTHGLENN URBAN RENEWAL UTHORITY	
ATTEST:	Ву	y:D Rosie Garner D Chair	ate
Debbie Tuttle Executive Director APROVED AS TO FORM:	Date		
Jeff H. Parker NURA Attorney	Date	_	

	Ву:	Song Jin
STATE OF COLORADO)) ss. .)	
The foregoing instrumenthisday ofof		subscribed, sworn to and acknowledged before me2022, by as
My commission expires: (S E A L)		
Notary Public		

January 8, 2022

Debbie Tuttle, CEcD Economic Development Mgr. & NURA Exec. Director City of Northglenn 11701 Community Center Drive Northglenn, CO 80233-8061

Subject: Mod-1: assistance in well sludge cleaning, sampling, and continued O&M of the E-Redox® system at the Garland Drive site (Northglenn, CO)

Dear Debbie,

Pursuant to our communications and site status since the last quarter of 2021, it was determined that the path forward would start from obtaining representative groundwater samples from the VCUP-3 well due to an observed build-up of sludge, potentially having impacted the most recent sampling data. Upon a few onsite rehab attempts by Ninyo & Moore and AET staff as well as a bench test conducted by AET that successfully dissolved the sludge with kitchen vinegar, the tasks proposed for the Mod-1 are listed below:

- (1) AET staff will travel onsite approximately twice a month, or as needed, to ensure the normal operation of all E-Redox® units' functions of degrading contaminants of concern in the groundwater. Figure 1 shows the distribution of the treatment area.
- (2) AET staff will travel onsite as needed to operate polarity switches of the E-Redox® units to change pH values in VCUP-3 to help dissolve the sludge and return pH to normal range in groundwater;
- (3) Based on groundwater measurements (presumably by Ninyo & Moore "Consultant"), AET will determine the dosage of and acquire the vinegar needed to dissolve the sludge in VCUP-3, as well as assist in the clearing implementation (performed by the Consultant onsite). Prior to pouring the vinegar, AET will assist the Consultant in communicating with and notifying CDPHE.
- (4) After the well is cleared and samples are collected by the Consultant, AET will assist in data interpretation. If the monitoring results reach the range of the target standard (~17 ppb), AET will assist the Consultant in starting the conditional closure procedure with CDPHE.
- (5) If the monitoring results did not reach the range of the target standard (~17 ppb) after the well is cleaned, and it is determined that further operation of E-Redox[®] units is needed, AET will continue to maintain system operation and make necessary adjustments until the goal is reached.



Advanced Environmental Technologies LLC

The lump sum budget is estimated at \$5,300.00 for the above scope. The cost estimate is for budgetary cap purposes for the first quarter of 2022. It includes all necessary parts needed to ensure normal operation of the E-Redox® units.

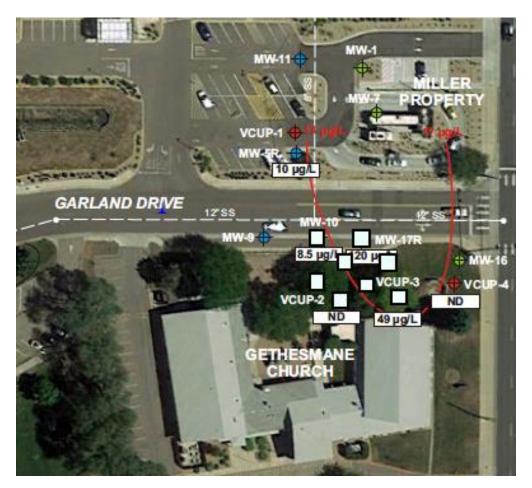


Figure 1. Approximate E-Redox well locations (white squares) at the Garland Drive site

We look forward to working with you and your team to move this project towards the path of conditional closure. Should there be any questions, please contact me by e-mail at songjin@aetecs.com or by phone at 970-889-8410.

Sincerely,



Song Jin, PhD, CHMM Principal Scientist