

SPECIAL MEETING AGENDA
FORT SCOTT CITY COMMISSION
CITY HALL COMMISSION ROOM
123 S MAIN STREET
OCTOBER 6, 2022
4:00 P.M.

I. ROLL CALL:

J. JONES T. VAN HOECKE S. WALKER M. WELLS K. HARRINGTON

II. CONSIDERATION:

1. Consideration of Advanced Microbial Solutions Contract

ADJOURNMENT:

CITY OF FORT SCOTT

Established 1842

P.O. Box 151
Fort Scott, KS 66701

620.223.0550 Phone
620.223.8100 Fax

10/05/2022

Madam Mayor and Commissioners,

Approval of AMS Contract:

We have been working diligently with several companies and people to figure out what is causing and how to take care of the odor coming from the City of Fort Scott Wastewater Plant. There have been several tests done and we have determined the cause of the problem is because of lack of oxygen and insufficient microbiological treatment in Lagoon #1.

To help in the short time we are treating this problem with the use of Hydrogen Peroxide, which will help combat the smell. This odor does not pose a health risk.

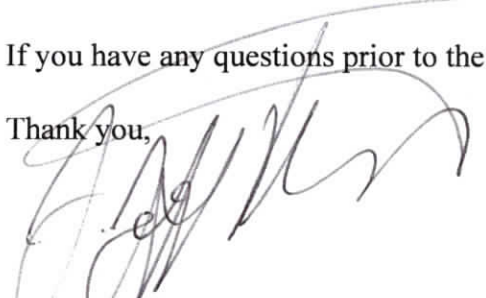
We apologize for the inconvenience this has caused to the citizens of Fort Scott and will continue to be transparent during this process.

City Staff recommends working with AMS (Advanced Microbial Solutions LLC.) to clean and maintain the lagoon. This process of sludging will start in the next month and will last for approximately 4-5 months to finish. AMS is telling us the smell should be eliminated within one month of starting the process.


Recommendation: City Commission to approve the AMS contract.

If you have any questions prior to the meeting, please don't hesitate to contact us.

Thank you,



Jeff Hancock
City Manager



Brad Matkin
Assistant City Manager



P.O. Box 433
Carthage, TX 75633
1-844-475-8343

September 19, 2022

City of Fort Scott
601 N. Barbee Street
Fort Scott, KS 66701

Mr. Mix:

Thank you for allowing Advanced Microbial Solutions, LLC the opportunity to sludge judge the city's wastewater facility. We appreciate the opportunity to provide an overview of our services with the goal to offer an economic solution to the current sludge issue the City is managing.

Sludge removal is a multi-billion dollar industry that is a necessity for proper management and longevity of wastewater systems. The majority of systems across rural America were designed and constructed decades ago and were very efficient during that time. Many cities have seen population growth, business growth, industry development and rainwater management infrastructures increasing. With these changes, many systems become over loaded due to a lack of capacity. Changing regulations add additional strains on the city's ability to comply.

Sludge removal is very expensive and causes extreme financial burden on the city. The following document provides a proposal of professional services we offer to increase your wastewater system capacity utilizing our patent-pending process of microbial remediation.

We look forward to working with the City to minimize the cost associated with sludge removal.

Jimmy Pleasant, President
Advanced Microbial Solutions
P.O. Box 433
Carthage, TX 75633

Initials _____



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The Objective

To provide the City with a full service microbial program to reduce the current sludge levels resulting in improved capacity of the wastewater system:

- Consumption of sludge utilizing a proven patent-pending process
- Improving water discharge quality
- Protection of assets
- Support of the city personnel with troubleshooting during remediation

The Proposal

Microbial Growth Units

The most effective and efficient process to increase capacity is to consume the sludge in the lieu of removing the sludge. This can be accomplished with non-pathogenic microbes while the production and feeding process is on site at the wastewater facility. This process requires a mobile enclosure which houses the microbes, feeding and growth system, telemetry equipment, and HVAC requirements. Advanced Microbial Solutions will provide and maintain all necessary systems to facilitate the microbial growth and injection methods.

Utility Requirements

The Advanced Microbial Solution's process requires a source of clean water, internet connectivity, and single phase electrical power to each unit. After initial site inspection, AMS proposes to deliver 11 units to remove the sludge. Each unit requires a 50 amp 240/120 VAC standard four prong RV connection. The units require a source of clean water not to exceed 100 PSI. One internet access point with an Ethernet port, average speed, and 2 Gig of data per month is required. The volume of water, internet connectivity, electrical power, and connections are to be furnished by the City.

Enclosure Setting & Equipment Security

The location of the units will be agreed upon by both parties to minimize space occupation to lessen the burden of movement for the city employees and to be functional for our trained personnel. The units will remain locked and secured by our staff.

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Proposed Fees & Costs

Microbial Production and Feeding:

AMS proposes to install and make operational 11 units to address the sludge in the facility, and a **pay on performance agreement** with a one-time setup fee of \$55,000 due when the setup is complete. If AMS is unsuccessful at removing sludge from the system, the City will not owe AMS for any services provided or material used other than the initial setup fee. The City will not be charged any additional fees for sludge entering the facility while AMS is remediating the sludge.

The depth of sludge and the continuous monitoring of the sludge shall be determined by AMS in conjunction with a City appointed representative. The method to determine sludge depths will utilize a sludge judge tool.

AMS targets leaving 6" sludge in the system to promote system health and account for inorganic matter. Cell #1 is 2.35 acres with an average of 77.83" of sludge, Cell #2 is 11.56 acres with an average of 25.03", and Cell #3 is 4.70 acres with an average of 24.44" of sludge. AMS proposes to remove approximately 71" from Cell #1, 19" from Cell #2, and 18" from Cell #3. The cost is:

Sludge Removal Cell #1 = \$366,709.09
Sludge Removal Cell #2 = \$477,969.83
Sludge Removal Cell #3 = \$188,317.74
Total Sludge Removal = \$1,032,996.66
Setup fees = \$55,000.00
Total Project = \$1,087,996.66

Upon the signing of this contract, AMS will email The City an authorization Agreement for Automatic debit by ACH from the City's account, the amounts agreed upon in this contract if the City desires this payment method. Upon the completion of the setup, a debit from the City account of \$55,000 will be made. AMS's payment schedule requires \$516,498.33 from the City account when the first half of sludge is removed and the remaining fee of \$516,498.33 upon job completion. If less sludge than anticipated is removed, the cost will be reduced accordingly. If more sludge than anticipated is removed, the cost will not increase. Other forms of payment are acceptable as well when agreed upon by both parties.

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AMS Process Warranty

Listed below are general terms that will apply to this specialized service agreement:

Safety – AMS will not be responsible for the safety of the City forces, including Contractors, Employees, and Customers at the City work sites.

Insurance – AMS will provide General Liability insurance and workers compensation insurance. The City’s insurance will protect its staff or contractors who may be assisting AMS on this project.

Limits of Liability – The City agrees to limit AMS’s liability, due to gross negligence of AMS, to the limit of AMS’s general liability coverage, which is \$5,000,000.00.

We will be glad to answer any questions in reference to this proposal. In addition, we are available to attend a meeting to present information to your city council members if needed. If this proposal, fees and related terms described above are satisfactory, please execute by signing the acceptance space at the bottom of this document. This proposal is valid until October 31, 2022. Please sign and initial in blue, scan, and email to jimmy@amsmicrobes.com and Cc sales@amsmicrobes.com. We will sign and return a copy for your records.

Confidentiality

Everything agreed upon both verbally and written will be held confidential between both parties.

Respectfully Submitted:

Jimmy Pleasant
President Advanced Microbial Solutions, LLC
jimmy@amsmicrobes.com

Accepted By:

The City of Fort Scott, KS

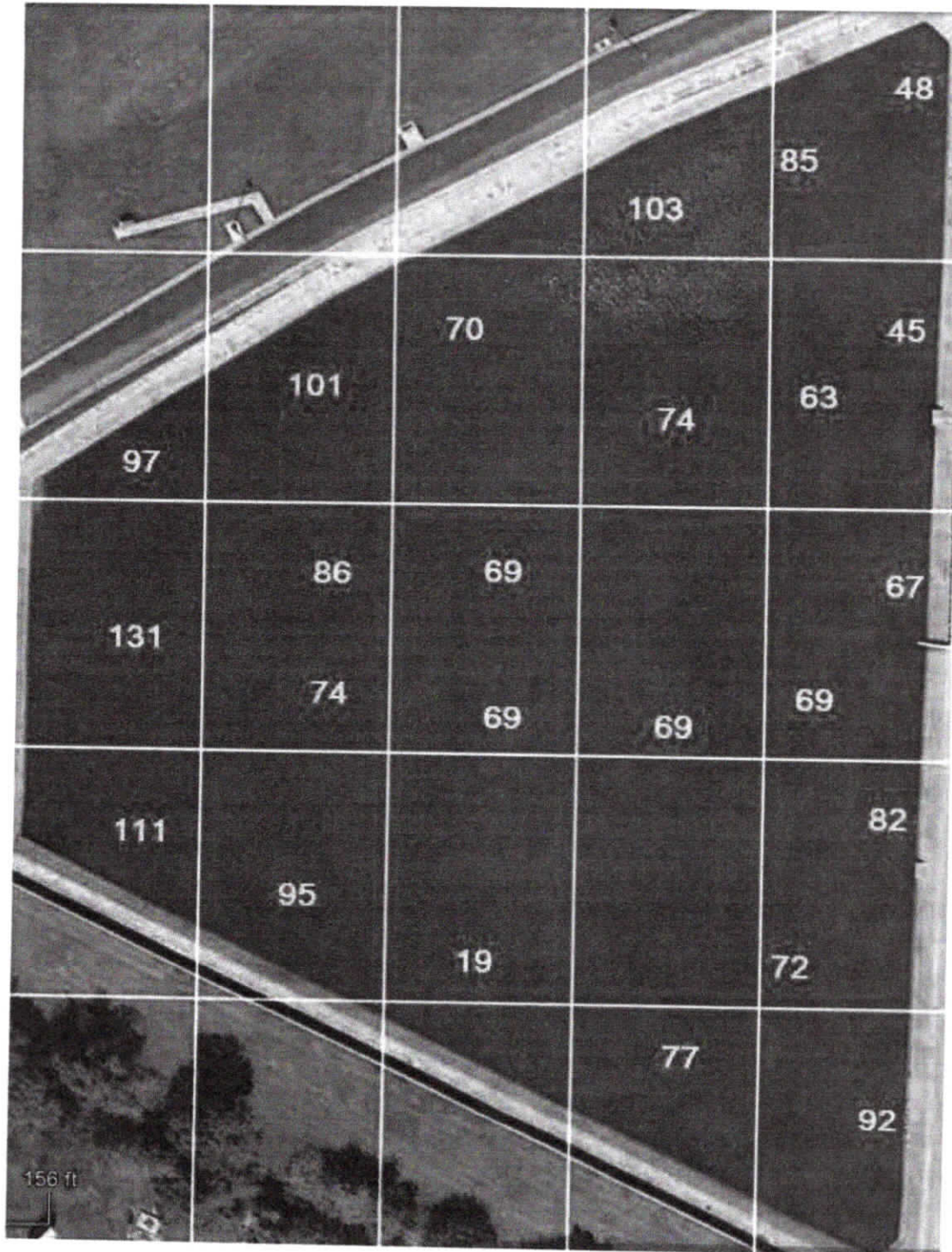
Witness:

Date:

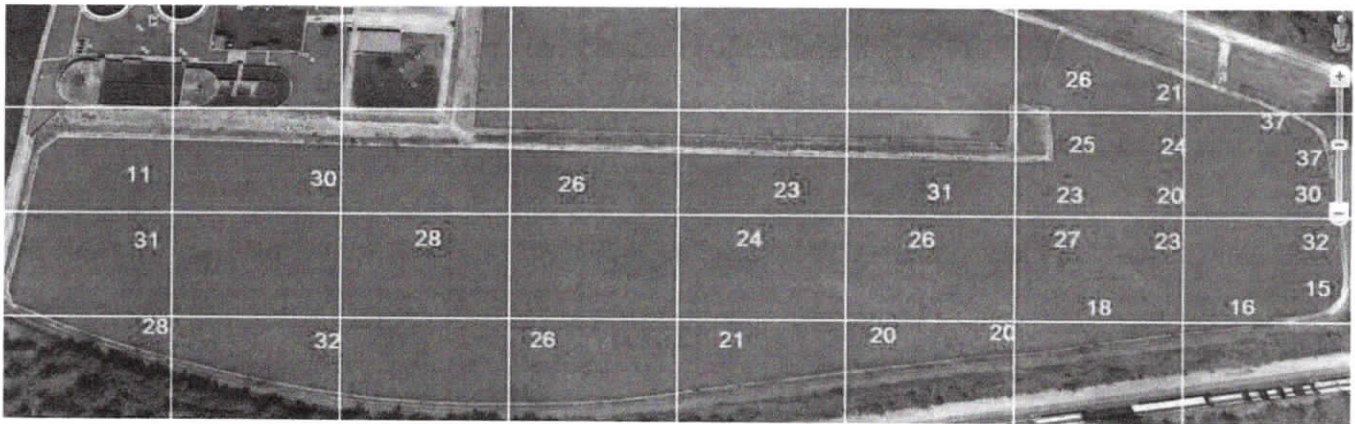
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Fort Scott Supporting Data

Cell 1 Average: 77.83"



Cell 2 Average: 25.03"



Cell 3 Average: 24.44"

