



City of Broken Arrow

Request for Action

File #: 19-637, Version: 1

**Broken Arrow Municipal Authority
Meeting of: 06-03-2019**

Title:

Approval of and authorization to execute a contract with Bio-Chem Industries, Inc. to conduct an annual biological augmentation pilot program for odor control along the 193rd Street (County Line Road) wastewater collection line (Project No. 195419)

Background:

On December 5, 2017, BAMA entered into a contract with Pencco, Inc. to conduct a 45-day chemical addition pilot program for odor control on the 193rd Street wastewater collection line. Pencco, Inc. implemented the pilot project in January 2018. In June of 2018, Pencco, Inc. proposed to continue the chemical treatment for Fiscal Year 2018-2019 at a cost of approximately \$16,900 per month. The yearly contract was approved and executed by the Assistant City Manager on July 3, 2018.

At a meeting in April 2018, Pencco, Inc. was notified of issues with the chemical dosing and that large deposits of iron and manganese were forming in all phases of the collection system and facility process areas. Also discussed was the fact that the chemical addition was masking the characteristics of the wastewater flowing into the Wastewater Treatment facility. On February 6, 2019, the City Utilities management team met to discuss a bio-augmentation pilot project to replace the chemical addition project.

Proposals were received by the City Utilities staff by In-Pipe Technology and Bio-Chem Industries respectively on February 12-13, 2019 for a bio-augmentation pilot project to treat the 193rd Street collection pipe system and/or the entire Broken Arrow collection system. City staff agreed to proceed with the Bio-Chem Industries proposal Option No. 2 for treating the 193rd Street collection line. Bio-Chem Industries was selected as the lowest bidder but also based on positive customer feedback.

The bio-augmentation system will be used for odor control, as well as, additional treatment of the wastewater within the collection system resulting in improved influent water quality and lower costs at the Wastewater Treatment facility.

Cost: \$ 15,740 per month

Funding Source: Sewer Repair and Construction Division Operational Budget

Requested By: Charles Vokes, Utilities Director

Approved By: City Manager Office

Attachments: Bio-Chem Contract

Recommendation:

Approval of and authorization to execute a contract with Bio-Chem Industries, Inc. to conduct an annual biological augmentation pilot program for odor control along the 193rd Street (County Line Road) wastewater

collection line.