

Clean Water State Revolving Fund (CWSRF)
Green Project Reserve Eligibility Determination

Name of System

Midwest City Municipal Authority

CWSRF Project Number/Loan Number

ORF-25-0030-CW

General Project Description:

The Midwest City Municipal Authority (Authority), located in Oklahoma County, has a population of 58,409 (United States Census 2020). As of 2023, the Authority services 20,294 water connections and 19,963 sewer connections.

The Authority owns and operates a Water Resources Recovery Facility (WRRF) that treats an average daily influent flow of 6.8 MGD of wastewater. The WRRF treats the influent using a Moving Bed Biofilm which utilizes suspended plastic media as a carrier for biofilm. Over time, this media can break down, potentially resulting in generation of microplastics, which are an emerging contaminant that could pose risks to human health and the environment.

The Authority will utilize the Clean Water State Revolving Fund Emerging Contaminants fund to perform a pilot study to determine if the WRRF could be a source of microplastics and, if so, to recommend treatment process modifications that can minimize the discharge of these pollutants to the environment. The estimated cost of this project is \$2,252,000 and will be fully funded by the Clean Water State Revolving Fund Emerging Contaminants loan forgiveness fund.

GPR Component Description:

Item	Category*
Planning and Design: Process Improvements	Environmentally Innovative
	None
	None

Approved GPR Amount:

\$2,252,000.00

Approved Subsidy Amount (if applicable)

\$2,252,000.00

Approved by:



Zachary Bradley, P.E.

July 25, 2025

Date

*Approved GPR by Categories:

Green Infrastructure = \$0.00

Water Efficiency = \$0.00

Energy Efficiency = \$0.00

Environmentally Innovative = \$2,252,000.00