



Project Fact Sheet
Super Critical Water Oxidation Pilot
PN 1-C-019-25
April 1, 2025

Project Manager: Nate Baldwin / Sabrina Parker

Description: This project will pilot a Super Critical Water Oxidation (SCWO) unit that will destroy poly- and perfluoro alkylated compounds (PFAS) that have become an increasing concern amongst the public and regulatory agencies. On January 14, 2025, the EPA released the Draft Sewage Sludge Risk Assessment for PFAS compounds which outlines potential risks to human health and the environment from PFAS present in biosolids.

Justification: This project is needed to pilot a technology that destroys PFAS compounds from Cedar Creek biosolids. If the pilot is successful, the SCWO unit could be upscaled to be an economical solution for solids handling in advance of the closure of the landfill our Cedar Creek solids are currently sent to as well as protecting the plant from potential future regulations.

Comments: This project has been awarded \$4,568,000 in Kansas State Revolving Funds (100% loan forgiveness) through the Kansas Water Pollution Control Revolving Loan Program.

Schedule:	Item	Date
Design:	RFQ	09/13/2024
	Consultant Selection	04/01/2024
Construction Manager:	RFQ	10/18/2024
	CMAR Selection	04/01/2025
Construction	GMP #1	Summer 2025 - Estimate
	Completion	Spring 2027 - Estimate
Council Actions:		
	Date	Amount
Approved in CIP	2025-2029	\$ 5,658,000
Project Authorization	01/21/2025	\$193,905,150
Resolution for SRF Application and Loan	02/04/2025	\$ 4,568,000
Professional Services Agreement	04/01/2025	\$ 2,635,459
CMAR Agreement	04/01/2025	\$ 40,000
Accept Bid/Award Contract		
Funding Sources:		
	Amount	CIP Year
State Revolving Fund	\$4,568,000	2025/2026
Revenue Bonds	\$2,154,000	2025/2026
Expenditures:		
	Budget	Amount to Date
Construction	\$3,540,000	\$0
Design	\$2,635,500	\$0
Inspection	\$ 176,000	\$0

Staff	\$ 87,000	\$0
Contingency	\$ 283,500	\$0
Total	\$6,722,000	\$0