



Alaska Department of Environmental Conservation State Revolving Fund Program



Project #445451-SE, Pyrolysis of Per- and Polyfluorinated Substances (PFAS)-Impacted Biosolids

ADEC awards \$2,878,000 fully subsidized loan to the City and Borough of Juneau to thermally treat wastewater biosolids to destroy per- and polyfluoroalkyl substances (PFAS)

The Alaska Department of Environmental Conservation (ADEC) awarded \$2,878,000 in a fully subsidized loan to the City and Borough of Juneau to add pyrolysis thermal treatment at the Mendenhall Wastewater Treatment Plant to treat biosolids for per- and polyfluoroalkyl substances (PFAS). The presence of PFAS in biosolids poses significant financial, operational, and regulatory challenges to wastewater utilities, often increasing management costs due to the need to properly dispose of PFAS-contaminated biosolids. Because conventional wastewater treatment processes cannot remove these “forever chemicals,” effective remediation methods are needed.



ADEC is authorized by state law to issue loans to borrowers for eligible water system infrastructure projects. Administration of the loan is through the ADEC State Revolving Fund Program under the authority of the Alaska Clean Water Fund.

This loan carries a below-market finance rate of 0.5%. The Alaska Clean Fund is capitalized annually by a grant from the U.S Environmental Protection Agency. The Clean Water State Revolving Fund programs nationwide provide states and communities with the resources necessary to maintain and improve the infrastructure that protects our valuable water resources nationwide.

For more information, contact the SRF Program at dec.srfprogram@alaska.gov.