

COMPOST FACILITY

STATE PROGRAM: Alaska Department of Environmental Conservation

ASSISTANCE RECIPIENT: City of Kodiak

ASSISTANCE AMOUNT: \$1.8M



PROJECT DESCRIPTION

The City of Kodiak is located on Alaska's largest island and home to the largest U.S. Coast Guard base in the United States. Kodiak traditionally disposed of sewage solids in the Kodiak Island Borough's landfill until capacity was reached. Located 30 miles off the mainland and accessible only by ferry and airline for commercial transportation, no other disposal options were viable. In response, the City collaborated with local partners and the CWSRF to build a \$4.5 million composting facility capable of producing Class A Exceptional Quality biosolids that can be used as a soil amendment without restriction. The project included an asphalt base pad designed to manage runoff, an enclosed mixing building with an air handling system to control odors and reduce buildup of unwanted gasses, a roofed mixing bunker, and six covered curing cells with air circulation units to maintain the oxygen and temperature of the compost. The facility successfully processes tons of wet solids from the City's wastewater treatment facility into Class A Exceptional Quality compost while fully meeting Alaska Department of Environmental Conservation permit requirements and saving the community over \$100,000 in landfill fees.

To read more about this case study, please visit https://www.epa.gov/sites/default/files/2018-11/documents/pisces_2018_compendium_0.pdf.