



CASE STUDY

PROJECT NAME

University of Wyoming AMK Ranch
Jackson, WY

SYSTEM SPECIFICATIONS

6,500 GPD Treatment System

INFILTRATOR PRODUCTS USED

Advanced Enviro-Septic® (AES) Combined
Treatment and Dispersal System

INSTALLATION DATE

November 2019

ENGINEER

Nelson Engineering
Jackson, WY

CONTRACTOR

J.R. Civil LLC.
Sheridan, WY

OWNER

US National Park Service
Grand Teton National Park
Jackson, WY

University of Wyoming National Park Service Research Station at AMK Ranch Selects Advanced Enviro-Septic (AES) Treatment System to Protect Sensitive Jackson Lake Environment

SUMMARY

An upgrade of existing, inadequate potable water and onsite sanitary sewer systems was needed to serve the existing lodge, houses, and cabins at the University of Wyoming's AMK Ranch research center adjacent to Jackson Lake in Grand Teton National Park. Owned by the US National Park Service's Grand Teton National Park, the system needed to comply with federal regulations.

CHALLENGES

The area is under close scrutiny due to the location in the national park and proximity to Jackson Lake. Construction of the new system could only begin once the AMK Ranch was closed for the season and needed to be completely operational for the 2020 season. A solution with a small footprint was desirable to minimize impact and disturbance of the pristine area and any solution had to be compatible with the extreme cold and frost depths prevalent in area winters.

SYSTEM DETAILS

A 6,500 gallon per day (GPD) Advanced Enviro-Septic (AES) combined treatment and dispersal system with 3,120 linear feet of AES Pipe was selected because it removes up to 99% of wastewater contaminants without using any electricity or replacement media. The passive AES system has a much smaller footprint than conventional systems, offering minimal disturbance during installation. The depth of allowable cover over the system was also a contributing factor in the selection of the AES system given the extreme winter conditions.

RESULT

System installation went smoothly and was completed with minimum site disturbance. Materials were delivered on time by Ferguson Waterworks in Billings, MT.



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water technologies

4 Business Park Road, Old Saybrook, CT 06475
(800) 221-4436 • info@infiltratorwater.com