

Case Study

Quick Facts Application: Replacement solution for failed drainfield
Product: Platinum with Puraflo® polishing filter and in-ground pad dispersal
Installer: Juneau Septic Services
Location: Juneau, AK

High-Quality Effluent Solution in a Small Footprint



Situation

A three-bedroom home on a small lot in Juneau, Alaska had a failed drainfield and limited space for a replacement solution.

No room was available for a conventional drainfield. Direct discharge of treated effluent was not an option either.



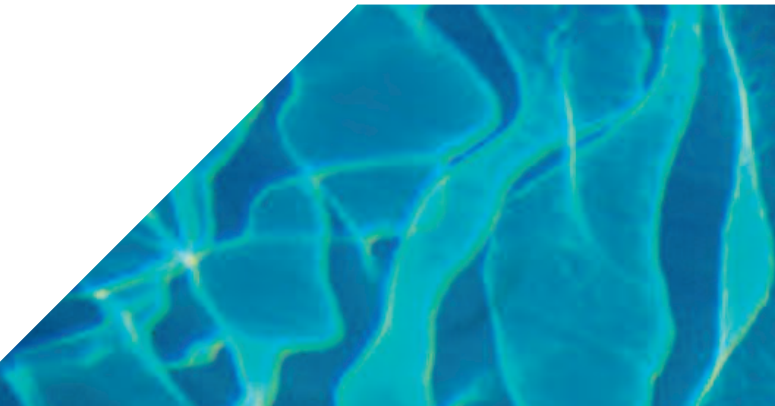
The situation called for an all-in-one treatment and dosing system that would be robust, provide effluent by-pass protection and consistently produce high quality effluent for dispersal into a reduced sized area.



Solution

Sloan Swendsen, co-owner of Juneau Septic Services, designed a solution:

- Platinum submerged aerated filter for secondary treatment. This model has an integrated pump package in the clarifier (no need for separate pump tank).
- Two Puraflo peat fiber biofilters for final polishing of the secondarily treated effluent.
- In-ground pad for dispersal of the effluent weeping from the base of the Puraflo modules.



Results

The combination of the Platinum and Puraflo produces an effluent that achieves a 5:5 mg/l BOD:TSS standard with significant pathogen reduction.

The Platinum submerged aerated filter, combined with the Puraflo peat fiber biofilter, provides:

- exceptional effluent quality
- extremely small footprint
- high level of nitrogen and pathogen reduction
- low life cycle costs compared to other options
- reliability and peace of mind



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