

Proven Results

Hoot Aerobic Treatment System — Water Quality Performance

THE PROOF IS IN THE WATER

Anyone can claim their septic system “works.” We can show it. For more than 15 years, the Hoot systems we've installed and serviced across Northern California have been independently sampled and tested for water quality — and the results speak for themselves.

Every Hoot system is built to meet **NSF/ANSI Standard 40**, the nationally recognized benchmark for advanced onsite wastewater treatment. The Hoot H-600 is NSF-certified — treating heavily loaded incoming wastewater down to levels comfortably within the standard.

What “Clean” Actually Means

What's Measured	NSF 40 Limit	In Plain English
CBOD ₅	≤ 25 mg/L	Organic waste that consumes oxygen — lower is cleaner
TSS	≤ 30 mg/L	Suspended solids — how clear vs. cloudy the water is
Total Nitrogen	≥ 50% reduction*	Nutrients that can harm groundwater and waterways
pH	6.0 – 9.0	Acid/alkaline balance — protects soil and groundwater

*Nitrogen reduction is governed by NSF/ANSI Standard 245. “ND” means non-detect — below the level instruments can measure.

Actual Field Samples From Hoot Systems

Real effluent test results from Hoot systems in our service area, anonymized to protect our customers' privacy. Compare them to the NSF 40 limits above — many readings come back as non-detect.

Sample	CBOD ₅ (limit ≤25)	TSS (limit ≤30)	Result
System A	ND	10	✓ Well within standard
System B	ND	ND	✓ Non-detect
System C	5.3	ND	✓ Well within standard
System D	ND	ND	✓ Non-detect
System E	22	ND	✓ Within standard
System F	ND	ND	✓ Non-detect

Results shown are representative samples from routine O&M testing. Individual results vary by system, site, and sampling conditions. Full testing records are maintained as part of every system's lifetime Operation & Maintenance program.

98%

CBOD REDUCTION

Aerobic treatment breaks down organic waste far beyond conventional septic.

99%

TSS REDUCTION

Clean, clear effluent — protecting soil, groundwater, and property.

This is why engineers specify Hoot for California's toughest sites. Call us at **916-436-8457** for a free consultation.

Promoting Advanced Wastewater Technology