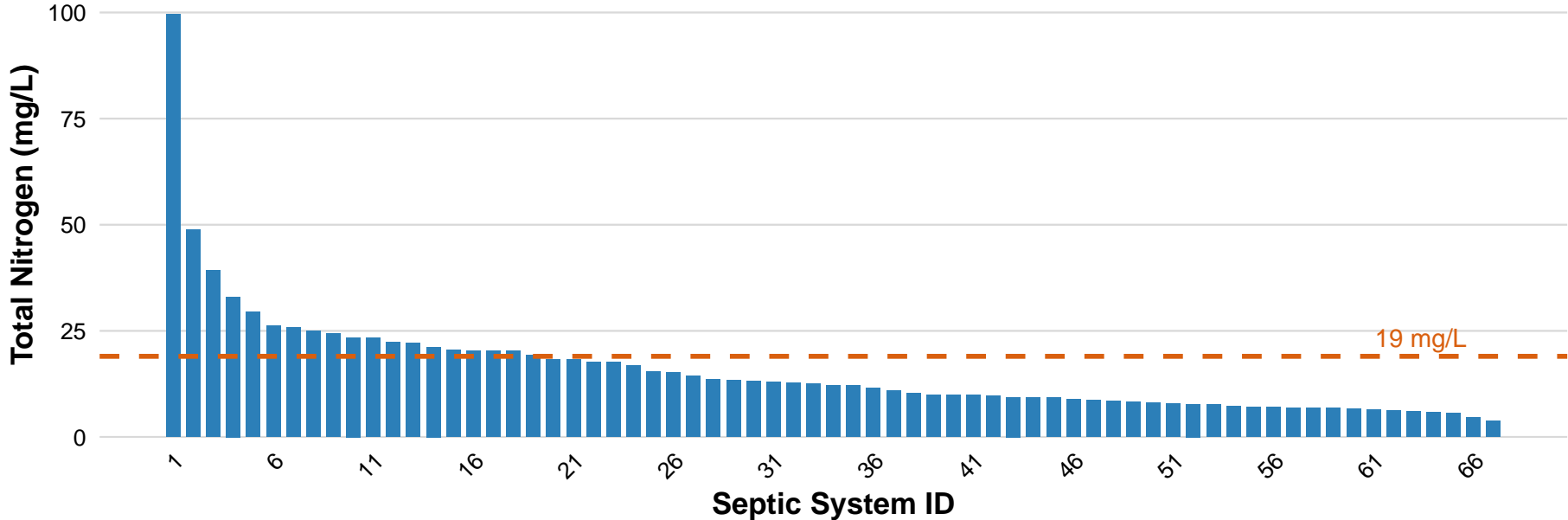


SeptiTech with General Use Certification

Average Total Nitrogen by Septic System, ranked from highest to lowest concentration



Notes

MassDEP reviews performance data for nitrogen reducing technologies approved for use in Massachusetts on a yearly basis to maintain the Best Available Nitrogen Reducing Technology (BANRT) list in accordance with 310 CMR 15.215(2)(g).

For General Use technologies, the 2026 BANRT analysis evaluated five (5) years of data from January 1, 2021, through December 31, 2025. To be included in the analysis, each system needed a minimum of 6 samples over 3 years that are within the established timeframe. The average Total Nitrogen was calculated for each system and the number of systems meeting the established Total Nitrogen limit was divided by the total number of systems included in the analysis to establish the performance rate.

Included in the table below is a summary of all BANRT analysis conducted for the SeptiTech System with General Use Approval to reduce Effluent Total Nitrogen (TN) to 19 mg/L in residential systems .

Year	Performance	Total # of Systems Evaluated	# of Systems Meeting TN Limit	Designated as BANRT? (Yes/No)
2024	80%	56	45	Yes
2025	85%	82	70	Yes
2026	72%	67	48	Yes

The 2025 BANRT analysis included 82 systems, with 85% of those systems performing at or lower than 19 mg/L Total Nitrogen. The 2026 BANRT analysis included 67 systems, with 72% of those systems performing at or lower than 19 mg/L. The performance decreased from 2025 to 2026 because fewer systems were eligible for inclusion in the BANRT analysis. Each system must have a minimum of 6 samples over 3 years to be included. MassDEP disqualified individual samples from being included in the BANRT analysis if the Total Nitrogen value submitted omitted the Nitrate or TKN value. BRL (Below Readable Level) Submissions were treated as 0 mg/L.