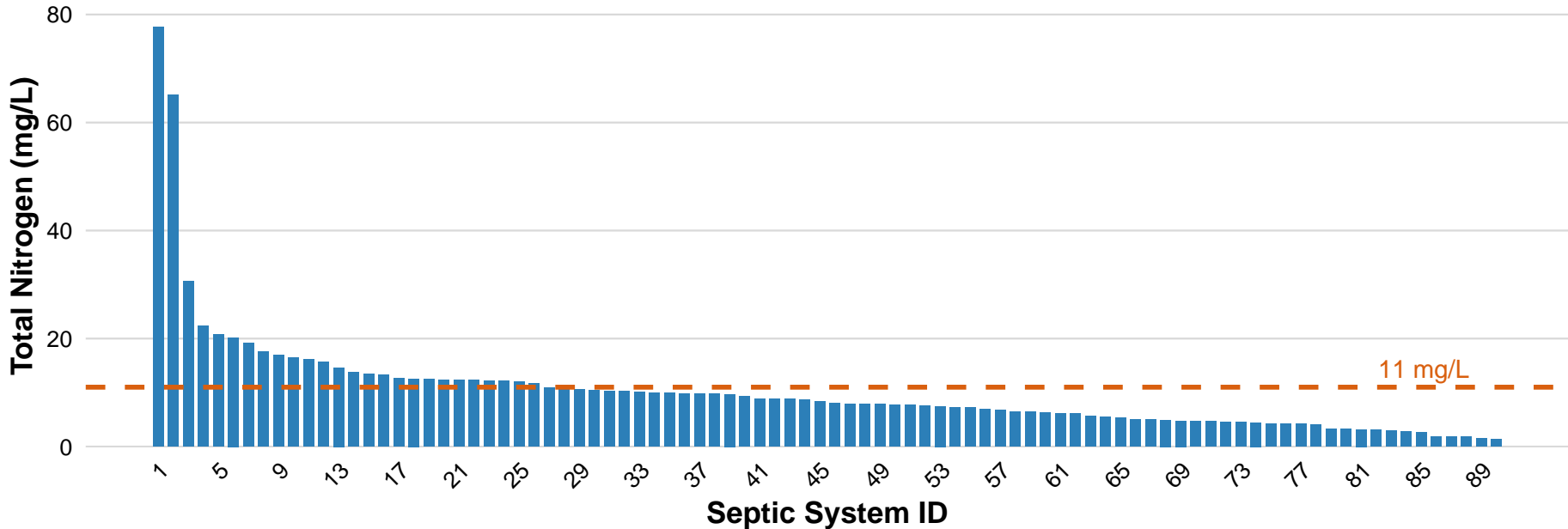


NitROE with Provisional Use Approval for Systems Under 2,000 GPD

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 nitrogen reducing technologies with Provisional Use approval, MassDEP reviewed all available data to determine if the technology should be listed as BANRT pursuant to 310 CMR 15.215(2)(g). Each individual system needed a minimum of four (4) samples over two (2) years in order to be included in the analysis. The average Total Nitrogen (TN) 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 analyses conducted for the NitROE System with Provisional Use Approval to reduce Effluent Total Nitrogen (TN) to 11 mg/L in systems under 2,000 gallons per day.

| Year | Performance | Total Number of Systems Evaluated | Number of Systems Meeting TN Limit | Designated as BANRT? (Yes/No) |
|-------------|--------------------|--|---|--------------------------------------|
| 2024 | 63% | 24 | 15 | Yes |
| 2025 | 54% | 57 | 31 | Yes |
| 2026 | 71% | 92 | 56 | Yes |