



TO: Joint Committee on Wastewater Technology

FROM: Dr. Robert W. Powitz, Chair of the Joint Committee

DATE: August 17, 2023

SUBJECT: Proposed revision to NSF/ANSI 245 *Wastewater treatment systems – Nitrogen reduction (245i37r1)*

Revision 1 of NSF/ANSI 245, issue 37 is being forwarded to the Joint Committee for consideration. Please review the proposal and submit your ballot by **September 7, 2023** via the NSF Online Workspace <www.standards.nsf.org>.

Please review all ballot materials. When adding comments, please include the section number applicable to your comment and add all comments under one comment number whenever possible. If you need additional space, please use the attached blank comment template in the reference documents and upload online via the browse function.

Purpose

This ballot will affirm revisions to the requirements for Final Reports in NSF/ANSI 245.

Background

The issue proponent states that stress testing results need to be required as part of Standard 245. The stress data is part of the Standard 40 and Standard 350 results. Nitrogen is a big part of the makeup of many State's rules. This stress period is more relevant to daily events. The exclusion of this data is misleading for regulatory bodies and is a huge environmental impact. Nitrogen impacts on our tributaries, lakes, reservoirs, and oceans is a daily concern and is the focus of many organizations.

If you have any questions about the technical content of the ballot, you may contact me in care of:

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[Note – the recommended changes to the standard which include the current text of the relevant section(s) indicate deletions by use of ~~strikeout~~ and additions by **grey highlighting**. Rationale Statements are in *italics* and only used to add clarity; these statements will NOT be in the finished publication.]

NSF/ANSI Standard
For Wastewater Technology –

Residential Wastewater Treatment Systems – Nitrogen Reduction

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8 Performance testing and evaluation

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8.5 Final report

A final report shall be prepared that presents the following:

- all data collected in accordance with the testing and evaluations within this standard, **including data from stress testing and percent actual nitrogen reduction**;
- a table indicating the actual percent reduction over the course of the test (included in the executive summary, as well as in the body of the report);
- observations made during the testing;
- an estimation of the pounds of nitrogen loaded during the test and the pounds removed;
- any adjustments made to the alkalinity of the influent wastewater;
- a copy of the current edition of the Owner's Manual; and
- process description and detailed dimensioned drawings of the system evaluated.

A supplemental report shall be prepared for any system(s) approved under Section 1.4 of this standard, including process description(s) and dimensioned drawings.