TO: NSF Joint Committee on Biosafety Cabinetry
FROM: Robert W. Powitz, Chairperson of the Joint Committee
DATE: September 12, 2014
SUBJECT: Proposed revision to NSF/ANSI 49 – Biosafety Cabinetry: Design, Construction, Performance and Field Certification (49i72r1)

Draft 1 of NSF/ANSI 49, issue 72 is being forwarded to the Joint Committee on Biosafety Cabinetry for consideration. Please review the changes proposed to this standard and submit your ballot by October 3, 2014 via the NSF Online Workspace (http://standards.nsf.org).

When adding comments, please identify the section number/name for your comment and add all comments under one comment number whenever possible. If you need additional space, please upload a word or pdf version of your comments online via the browse function.

Purpose
The purpose of this ballot is to vote and comment on the proposed changes to multiple figures.

Background
The line thickness of many of the figures in the standard is too thin to be clearly seen in the published Standard. There are also some figures requiring the text be moved for improved clarity. The Standard would benefit the user if the figures were updated.

There are 39 figures in total, 9 of which are in this ballot due to noticeable visual changes. The remaining 30 are simply updated with thicker lines and shading to improve clarity.

Public Health Impact:
The proposed changes have no negative impact on public health.

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

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NSF/ANSI - 49
Biosafety Cabinetry: Design, Construction, Performance, and Field Certification

Current

Figure A2 - Noise Level Test
Proposed Revision

Figure A2 - Noise Level Test

15 inches (38 cm) above the work surface
12 inches (30 cm) from the leading edge of the BSC
Current

12 inches (30 cm) maximum between test points.
6 inches (15 cm) from each side wall.
All readings taken on the front-to-rear centerline of the work surface.

Figure A3 - Light Level Test
Proposed Revision

Figure A3 - Light Level Test

All readings taken on the front-to-rear centerline of the work surface.

12 inches (30 cm) maximum between test points.
6 inches (15 cm) from each sidewall.
Figure A4 - Vibration Test
Figure A4 - Vibration Test
Figure A5 - Personnel Protection Test
Proposed Revision

Figure A5 - Personnel Protection Test
Current

Figure A8 - Product Protection Test
Proposed Revision

Figure A8 - Product Protection Test
Figure A14 - Resistance to Tipping Test

250 lb (110) Kg load applied to center of leading edge.
Figure A14 - Resistance to Tipping Test
Figure A15 - Velocity Profile Test
Proposed Revision

Figure A15 - Velocity Profile Test
Figure A17 - Another Example of Inflow Velocity Test, Type B1
Proposed Revision

Figure A17 - Another Example of Inflow Velocity Test, Type B1
Figure A18 - Supply Air Volume Test
Proposed Revision

Figure A18 - Supply Air Volume Test