Draft 3 of NSF/ANSI 21, issue 6 is being forwarded to the Technical Committee on Food Equipment for consideration. Please review the changes proposed to this standard and submit your ballot by October 13, 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 affirm the new language in section 5 of NSF/ANSI 21.

**Background**
During the 2014 meeting of the Joint Committee on Food Equipment, issue document FE-2012-24 was presented along with a new design for thermoplastic refuse containers. This new design takes advantage of removable pieces to improve worker safety under OSHA regulations, but does not meet the water tight requirements of NSF/ANSI 21.

Through discussion at the Joint Committee meeting, it was decided that NSF/ANSI 21 was in need of re-evaluation, both for this and to examine the standard at large since significant time had elapsed since the previous update. A task group was formed and has met. Over the course of several meetings, revised language was developed, discussed and deemed ready for balloting.

**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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5 Design and construction

This section contains design and construction requirements for equipment covered within the scope of this Standard.

5.1 General design and construction requirements

5.1.1 Thermoplastic refuse containers and their components shall be sealed and easily cleanable.

5.1.2 Internal angles or corners of 135° or less shall be smooth and have minimum continuous radii of \( \frac{1}{8} \) in (0.13 in, 3.2 mm).

5.1.3 Exposed external corners and angles shall be sealed and smooth. They shall be formed with sufficient radii to facilitate drainage.

5.1.4 Refuse contact surfaces shall be readily accessible and easily cleanable.

5.1.5 The container shall minimize exterior gnawing edges. This requirement shall not apply to raised reinforcing members, decorative features, or lifting devices that do not have a common wall with the container.

5.2 Watertight Container requirements

5.2.1 The container shall be watertight.

5.2.2 Internal angles or corners of 135° or less shall be smooth and have minimum continuous radii of \( \frac{1}{8} \) in (0.13 in, 3.2 mm).

5.2.3 Exposed external corners and angles shall be sealed and smooth. They shall be formed with sufficient radii to facilitate drainage.

5.2.4 The container shall be designed and manufactured so that refuse empties easily when the container is inverted.

5.2.5 Refuse contact surfaces shall be readily accessible and easily cleanable.
5.2.6 The container shall minimize exterior gnawing edges. This requirement shall not apply to raised reinforcing members, decorative features, or lifting devices that do not have a common wall with the container.

5.3 Non-watertight container requirements

5.3.1 The container shall be used with a leak proof liner and shall be permanently marked with “This container requires the use of a leak proof liner”, or equivalent.

5.3.2 Non-watertight containers are exempt from the sealing requirements in 5.1.

Rationale: Section 5.1 has been reorganized to reflect general requirements applying to all refuse containers and sections 5.2 & 5.3 have been reorganized to reflect specific requirements for watertight and non-watertight refuse containers respectively. The new section 5.3 permits alternate methods of construction that meet the intent of the standard and are intended to recognize new non-watertight container designs when used with an appropriate liner.

5.43 Cover requirements

5.43.1 When in place, the cover shall overlap and continuously contact the container opening.

5.43.2 Thermoplastic refuse containers used primarily outdoors shall have a cover that, when in place, prevents water from entering the container opening.

NOTE – Thermoplastic refuse containers used primarily indoors are exempt from this requirement. Covers with swinging-closure mechanisms are acceptable for indoor use.

5.43.3 The cover shall minimize exterior gnawing edges. This requirement shall not apply to raised reinforcing members, decorative features, or lifting devices that do not have a common wall with the cover.

5.43.4 The cover shall be designed and manufactured so that it provides for secure attachment to the container. The disengagement of the attachment device (for removable covers) shall permit the removal of the cover with one hand. Hinged covers are acceptable provided that they can be opened with one hand.

5.54 Requirements for handles/lifting devices

Handles or lifting devices shall be provided to permit lifting, carrying, and emptying. Handles / lifting devices and attachments shall be readily accessible and easily cleanable.

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