MEMORANDUM

TO: Council of Public Health Consultants
FROM: France Lemieux, Chairperson
DATE: August 7, 2019
SUBJECT: Proposed revision to NSF/ANSI 4 – Commercial Cooking, Rethermalization, and Powered Hot Food Holding and Transport Equipment (4i28r2).

Revision 2 of NSF/ANSI 4, issue 28 is being forwarded to the Council of Public Health Consultants for balloting. Please review the changes proposed to this standard and submit your ballot by August 28, 2019 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 additional space is needed, you may upload a .doc or .pdf version of your comments online via the browser function.

Purpose:

The purpose of this ballot is to affirm proposed revised language for section 5.40 regarding cappuccino machines with milk systems. More specifically, the proposed language modifies requirements for milk conveyance tubing.

Background:

The original language in section 5.40 was developed and written for machines that used gravity to drain the milk dispensing tube between uses. Some machines now available use technology that flushes the milk tubing at periodic intervals. This mechanical flushing of the milk tubing may provide a more effective purge than a gravity-based design.

Issue paper FE-2018-15 highlights the need to revise this language to allow for the newer purge-flush design technology. The current requirement for maintaining milk at a safe holding temperature would remain unchanged. Any portion of a milk dispensing system that retains milk for an undetermined amount of time is subject to the temperature performance test in section 6.2 of NSF/ANSI 18 – 2016. However, milk tubing that is drained, flushed/rinsed at specific time intervals may be exempt from the temperature performance criteria.

This issue paper was presented to the JCFE at its August 2018 face-to-face meeting. Following discussion the JCFE referred the issue paper to the task group on hot food equipment (TG) for review and consideration. In preparation for a TG teleconference on April 9, 2019, the language was presented as a revision 1 straw ballot. Following some refinement of the language the TG submits draft 2 to the JCFE for its consideration.
Joint Committee Ballot Results:

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>total joint committee ballots sent:</td>
<td>29</td>
</tr>
<tr>
<td>% joint committee ballots returned:</td>
<td>97%</td>
</tr>
<tr>
<td>affirmative votes:</td>
<td>28</td>
</tr>
<tr>
<td>negative votes:</td>
<td>0</td>
</tr>
<tr>
<td>abstentions:</td>
<td>0</td>
</tr>
<tr>
<td>% affirmative of total ballots sent:</td>
<td>97%</td>
</tr>
<tr>
<td>% affirmative of total affirmative + negative ballots:</td>
<td>100%</td>
</tr>
</tbody>
</table>

In addition, all Technical Committee ballots submitted were affirmative.

Public Health Impact:

This will 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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Chairperson, Council of Public Health Consultants  
c/o Stan Hazan  
Secretariat, Council of Public Health Consultants  
Senior Director of Scientific and Regulatory Affairs  
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5 Design and construction

5.40 Cappuccino machines with milk reservoir systems

5.40.1 Except as noted in 5.40.2, milk reservoirs and all milk-conveying components on cappuccino machines shall conform to the temperature performance criteria of NSF/ANSI 18.

5.40.2 The requirements in 5.40.1 shall not apply to tubing used to convey milk may be exempt from 5.40.1, provided that the tubing is:

- designed so that it is completely drained, or flushed of milk between uses at intervals not exceeding 4 h;
- transparent enough to verify that it is void of milk and has an exposed portion visible to the operator;
- no greater than 18 in (46 cm) in length when tubing is only gravity self-drained without being flushed.

5.40.3 Milk reservoirs and all milk conveying components, including tubing, shall conform to 5.1.3.

Rationale: This proposed language clarifies the requirements for cappuccino machines that drain and flush/rinse milk conveyance tubing at controlled time intervals.