Dear Sir/Madam,

PUBLIC UTILITIES (WATER SUPPLY) (AMENDMENT NO. 2) REGULATIONS 2018
- MANDATORY SALE AND SUPPLY OF AT LEAST 1-TICK MWELLS DISHWASHERS INTENDED FOR HOUSEHOLD USE FROM 1 OCT 2018

I refer to our circular of 25 Apr 2018 (copy attached).

Public Utilities (Water Supply) (Amendments No. 2) Regulations 2018

2 We would like to remind you that with effect from 1 Oct 2018, only dishwashers intended for household use with at least 1-tick water efficiency rating or more under the Mandatory Water Efficiency Labelling Scheme (MWELLS) shall be advertised, displayed or offered for sale and supply in Singapore. We would like to update you that this requirement has been incorporated in the Public Utilities (Water Supply) (Amendment No. 2) Regulations 2018 which was gazetted on 3 Sep 2018. Please refer to the Appendix for a relevant extract from this regulation. Anyone found not complying with this regulations shall be guilty of an offence and liable for prosecution.

Registration of dishwashers under MWELLS

3 Similar to other WELS products, dishwashers are also required to be certified by an accredited Certification Bodies for WELS before these appliance can be registered under MWELLS. All dishwashers to be offered, displayed or advertised for sale and supply in Singapore shall be affixed with the water efficiency label, which will be rated with 1-tick, 2-tick, 3-tick or 4-tick, with 4-ticks being the most water efficient. For more information on registration, water efficiency rating and requirements, stipulated standards and requirements and updated list of accredited CBs, please refer to PUB’s WELS website at www.pub.gov.sg/wels. For more information on scope of accreditation of CBs, please refer to SAC’s website at www.sac-accreditation.gov.sg.
4 Please help to disseminate to share the information in this circular with your relevant staff, distributors, retailers and other industry partners. For more information and a copy of this circular, please visit our WELS website at www.pub.gov.sg/wels.

5 If you have any queries concerning this circular or need further clarification or assistance, please do not hesitate to contact any of the following PUB officers listed below.

<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
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<tbody>
<tr>
<td>Noryati Bte Abdullah</td>
<td><a href="mailto:noryati_abdullah@pub.gov.sg">noryati_abdullah@pub.gov.sg</a></td>
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<tr>
<td>Wong Hong Lan Fiona</td>
<td><a href="mailto:wong_hong_lan@pub.gov.sg">wong_hong_lan@pub.gov.sg</a></td>
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<td>Mohd Nazri bin Man</td>
<td><a href="mailto:mohd_nazri_man@pub.gov.sg">mohd_nazri_man@pub.gov.sg</a></td>
<td>68852521</td>
</tr>
</tbody>
</table>

Yours faithfully

ROLAND CHAN
PRINCIPAL ENGINEER (INSPECTORATE)
for DIRECTOR
WATER SUPPLY (NETWORK) DEPARTMENT
To dishwasher suppliers, washing machine suppliers, Singapore Sanitary Ware Importers & Exporters’ Association (SSWIEA), test laboratories and SAC-accredited Certification Bodies for WELS.

Dear Sir/Madam

MANDATORY WELS EXTENDED TO DISHWASHERS INTENDED FOR HOUSEHOLD USE EFFECTIVE FROM 1 OCT 2018
-WATER EFFICIENCY RATING REQUIREMENTS
-STIPULATED STANDARDS AND REQUIREMENTS FOR DISHWASHERS

We would like to remind you that with effect from 1 Oct 2018, the Mandatory Water Efficiency Labelling Scheme (MWELS) will be extended to include dishwashers intended for household use. All dishwashers to be offered, displayed or advertised for sale and supply in Singapore shall be affixed with the water efficiency label, which will be rated with 1-tick, 2-tick, 3-tick or 4-tick, with 4-ticks being the most water efficient. The water efficiency ratings requirements are as given in Table below.

<table>
<thead>
<tr>
<th>Water Efficiency Rating Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELS Rating</td>
</tr>
<tr>
<td>Water Efficiency Range in Litres Per Place Setting</td>
</tr>
<tr>
<td>Litres</td>
</tr>
</tbody>
</table>

2. For water efficiency, the dishwashers shall be tested for compliance in accordance with:

   i. Clause 8.2 of BS EN 50242: 2016 / BS EN 60436: 2016; or
   ii. Clause 8.2 of IEC 60436: 2015

on water consumption test only which will be used to determine the water efficiency. The water consumption is to be measured using the wash programme or other associated settings recommended in the manufacturer’s product literature for normally soiled tableware at rated dishwasher capacity, and the following are not required as a test condition:
(a) the use of a reference dishwasher for normalisation of base load items;
(b) the parallel operation of a reference dishwasher with the tested dishwasher;
(c) the use of a specific inlet water temperature, water hardness, water pressure, ambient temperature or humidity;
(d) the use of soiling agents;
(e) the use of detergent, rinse agent or salt;
(f) the use of an electric supply at a specific voltage;
(g) the use of regeneration operations; and
(h) the preparation and application of soiling agents.

The dishwasher is deemed to be compliant only if it is tested by a test laboratory accredited by the Singapore Accreditation Council (SAC) or its Mutual Recognition Arrangement (MRA) partners.

3 For registration and certification of dishwashers under MWELS, we will update you in future when the details have been firmed up.

4 The industry will be informed of the amendments to the Public Utilities (Water Supply) Regulations to give effect on the implementations mentioned in paragraph 2, and anyone found not complying with this requirement shall be guilty of an offence and be liable for prosecution. Please help to disseminate to share the information in this circular with your relevant staff, distributors, retailers and other industry partners. For more information and a copy of this circular, please visit our WELS website at www.pub.gov.sg/wels.

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Yours faithfully

[Signature]

ROLAND CHAN
PRINCIPAL ENGINEER (INSPECTORATE)
For DIRECTOR
WATER SUPPLY (NETWORK) DEPARTMENT

Enclosed
CC TUV SUD PSB Pte Ltd
1 Science Park Drive
Singapore 118221
Attn: Mr Cha Ming Yang

Setco Services Pte Ltd
18 Teban Gardens Crescent
Singapore 608925
Attn: Mr Yusof Aynuddin/Chen Yu

Singapore Laboratory Services Pte Ltd
64 Tuas South Ave 2
Singapore 637525
Attn: Mr Jimmy Lee / Mr Chua Lee Choong

Singapore Test Services Pte Ltd
249 Jalan Boon Lay
Singapore 619523
Attn: Mr See Boon Ping
Appendix

S 535/2018


No. S 535

PUBLIC UTILITIES ACT (CHAPTER 261)

PUBLIC UTILITIES (WATER SUPPLY) (AMENDMENT NO. 2) REGULATIONS 2018

In exercise of the powers conferred by section 72 of the Public Utilities Act, the Public Utilities Board, with the approval of the Minister for the Environment and Water Resources, makes the following Regulations:

Citation and commencement

1. These Regulations are the Public Utilities (Water Supply) (Amendment No. 2) Regulations 2018 and come into operation on 1 October 2018.

Amendment of regulation 40A

2. Regulation 40A of the Public Utilities (Water Supply) Regulations (Rg 5) (called in these Regulations the principal Regulations) is amended —
   (a) by deleting the word “means —” in the definition of “specified water fitting” and substituting the words “means any of the following:”;
   (b) by deleting the word “and” at the end of paragraph (d) of the definition of “specified water fitting”; and
   (c) by inserting, immediately after paragraph (e) of the definition

Amendment of Part 1 of Second Schedule

3. Part 1 of the Second Schedule to the principal Regulations is amended —
   (a) by inserting, immediately after item (4) of paragraph 1, the following item:

<table>
<thead>
<tr>
<th>First column</th>
<th>Second column</th>
<th>Third column</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specified water fitting</td>
<td>Type</td>
<td>Applicable test standard or method</td>
</tr>
</tbody>
</table>
| Dishwasher             | —             | (a) Clause 8.2.4 of BS EN 50242: 2016 / BS EN 60436: 2016; or (b) Clause 8.2.4 of IEC 60436: 2015
|                        |               | The water consumption is determined in accordance with paragraph 4A’’; and |
Amendment of Part 2 of Second Schedule

4. Part 2 of the Second Schedule to the principal Regulations is amended —
   (a) by inserting, immediately after sub-paragraph (f) of paragraph 2, the following sub-paragraph:
   “(g) dishwashers —

<table>
<thead>
<tr>
<th>Number of ticks</th>
<th>Water consumption (litres per place setting)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1.2 &lt; water consumption ≤ 1.5</td>
</tr>
<tr>
<td>2</td>
<td>0.9 &lt; water consumption ≤ 1.2</td>
</tr>
<tr>
<td>3</td>
<td>0.6 &lt; water consumption ≤ 0.9</td>
</tr>
<tr>
<td>4</td>
<td>water consumption ≤ 0.6;</td>
</tr>
</tbody>
</table>

Amendment of Part 3 of Second Schedule

5. Part 3 of the Second Schedule to the principal Regulations is amended by deleting paragraph 4 and substituting the following paragraphs:

   “4. Every dishwasher intended for household use must be of such a design as to use not more than 1.5 litres of water per place setting for normally soiled tableware at rated dishwasher capacity.

   5. In this Part —
      “flow rate” means the volume of water that flows out of a tap and mixer per minute, as specified in the test report;
      “place setting” means —
      (a) where the test standard used is BS EN 50242: 2016 / BS EN 60436: 2016, the set of tableware items specified in Annex A of BS EN 50242: 2016 / BS EN 60436: 2016; and
      (b) where the test standard used is IEC 60436: 2015, the set of tableware items specified in Annex A of IEC 60436: 2015.”.


[STATUTE S 97/2005; S 703/2008; S 832/2010; S 161/2011; S 616/2013; S 721/2014; S 826/2014; S 55/2015; S 133/2017; S 336/2017; S 161/2018]

Made on 8 August 2018.

CHIANG CHIE Foo
Chairman,
Public Utilities Board,
Singapore.

[MEWR S030/01/124 Vol. 16; AG/LEGIS/SI/261/2015/3 Vol. 3]
(To be presented to Parliament under section 72(4) of the Public Utilities Act).