## Specific Requirements for Water Discharge

[Reference: Regulation 3 of the Sewerage and Drainage (Sanitary Works and Sewerage Works) Regulations, Clause 4.1 (f) and Clause 4.6.4 of the COPSSW (2<sup>nd</sup> edition Jan 2019)]

|          | Clause 4.1 (†) and Clause 4.  |                            | •     | Remarks  |  |
|----------|---|----------------------------|-------|--|--|
|          | Source of Discharge   | Discharge to               |       | Remarks  |  |
|          |   | Storm<br>Water<br>Drainage | Sewer |  |  |
| Α        | Areas that receive rain water   |                            |       |  |  |
|          | <ul> <li>i. Open areas such as backyards/<br/>courtyards/air wells, or other<br/>uncovered areas</li> <li>ii. Open-sided areas like void decks,<br/>common corridors, balconies verandas,<br/>multi-storey car parks (excluding car<br/>washing bays) and pump islands at<br/>petrol stations¹</li> </ul> | ٧                          |       | Rain water shall be channelled to a stormwater drainage system while sewage shall be channelled to sewer network. <sup>1</sup> No washing of the area using detergent is allowed. <sup>2</sup> Use of soap/shower foam and gel is not  |  |
|          | <ul><li>iii. Footbaths and open shower points for<br/>swimming pool<sup>2</sup></li></ul>   |                            |       | allowed.   |  |
| В        | iv. Any other area that receives rain water  Air Conditioning System (AHU / FCU)  |                            |       |  |  |
| <u> </u> | i. Condensate from AHU / FCU  ii. Used water from washing of AHU / FCU  | √*                         | V*    | Condensate shall not discharge in a manner as to cause public nuisance.  *Where there is no available surface outlet connected to the stormwater drainage system in the premises such as in HDB or condominium units, the condensate from AHU can be discharged into a sewer via a floortrap.  Used water shall be discharged into sanitary/sewerage system.  *Only for AHU located at outdoor/rooftop where there is no available sanitary/sewerage system, the used water from washing of AHU can be discharged into stormwater drainage system in a manner without causing inconvenience to the |  |
| С        | Cooling Tower   |                            |       | public.  |  |
|          | Water from overflow/draining/cleaning of cooling tower  |                            | ٧     |  |  |
| D        | Swimming Pool   |                            |       |  |  |
|          | i. Overflow water from swimming pool balancing tank   | ٧                          |       |  |  |
|          | ii. Backwash water from swimming pool filter  | ,                          | ٧     |  |  |
|          | iii. Draining of swimming pool before cleaning of swimming pool   | ٧                          | 2/    |  |  |
|          | <ul><li>iv. Used water generated from cleaning of swimming pool</li></ul>   |                            | ٧     |  |  |

| E | Water Storage Tank Containing Potable Water   |    |    |   |  |  |  |
|---|---|----|----|---|--|--|--|
|   | i. Overflow of water from potable water   | ٧  |    |   |  |  |  |
|   | ii. Water from draining of potable water storage tank before cleaning (emptying the tank)                   | ٧  |    |   |  |  |  |
|   | iii. Used water from washing/cleaning and sterilization of the storage tank                                 | √* | ٧  | Used water shall be discharged into sanitary/sewerage system. *Only for water storage tanks located at outdoor/rooftop where there is no available sanitary/sewerage system, the used water from washing of water tank can be discharged into stormwater drainage system in a manner without causing inconvenience to the public.                                 |  |  |  |
| F | Fire Protection System  |    | 1  |   |  |  |  |
|   | i. Water discharge during fire emergency or false alarm   | ٧  | ٧  | As these are unplanned and uncontrollable events, water from firefighting or false alarm can be discharged to sewer or drain.   |  |  |  |
|   | ii. Water discharge during non-emergency (ad-hocinspection or periodic testing/maintenance)                 | ٧  |    |   |  |  |  |
| G | Rain Water Harvesting Tank  |    |    |   |  |  |  |
|   | <ul> <li>i. Unused rainwater overflowed or<br/>drained-out from a rain water harvesting<br/>tank</li> </ul> | ٧  |    |   |  |  |  |
|   | ii. Used water from washing/cleaning of the rain water harvesting tank                                      |    | ٧  |   |  |  |  |
| Н | Water Features  |    |    |   |  |  |  |
|   | i. Water overflowed from outdoor or indoor water features   | ٧  | ٧* | *Only for indoor water feature where there is no available outlet connected to the stormwater drainage system, the overflow of water from indoor water features can be discharged into a sewer via a floor trap.  |  |  |  |
|   | ii. Used water from washing/cleaning of outdoor or indoor water features                                    |    | ٧  |   |  |  |  |
| I | Industrial Waste Water  |    |    |   |  |  |  |
|   | Trade effluent discharge (used water from any industrial process is treated as trade effluent)              |    | V  | All trade effluent discharged into the public sewer shall comply with the Sewerage and Drainage Act and the allowable discharge limits as stipulated in the Sewerage and Drainage (Trade Effluent) Regulations. Pretreatment might be necessary before discharge to sewer.  The operator shall apply to PUB for a "Written Approval to Discharge Trade Effluent". |  |  |  |

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| J | Underground Structures (e.g. Basement, Underpass, Rail and Road Tunnel, etc) |   |   |   |  |  |
|---|--|---|---|---|--|--|
|   | i. Washing activities  |   | V | Such used water discharged into the public sewer shall not contain any silt or chemical substances that are not permitted or exceeded the allowable discharge limits as stipulated in the Sewerage and Drainage (Trade Effluent) Regulations. Pre-treatment might be necessary before discharge to sewer. |  |  |
|   | ii. Ground water seepage or ingress of rainwater                             | ٧ |   | To comply with Singapore Standard SS593:<br>Code of Practice for Pollution Control.   |  |  |