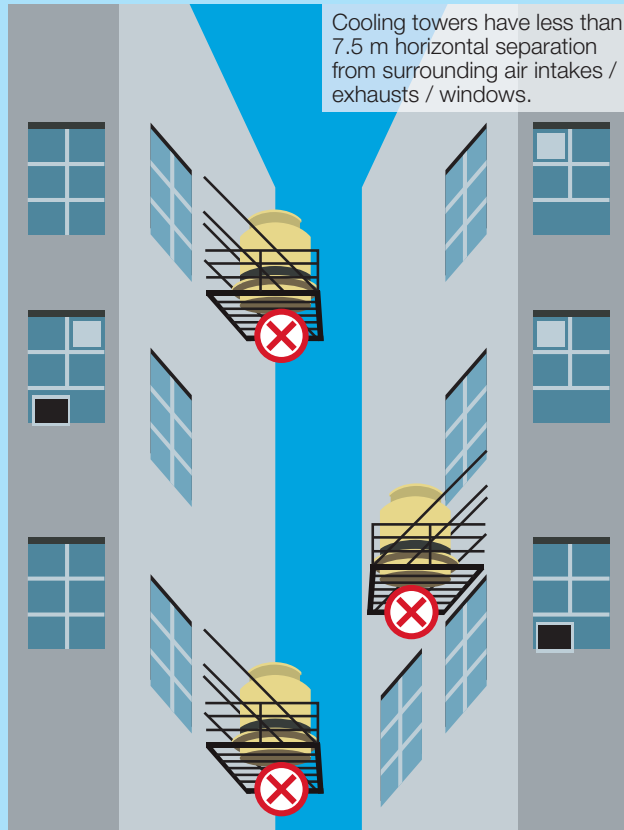


Installation of Unauthorized Cooling Tower is an Illegal Act

If the applicant cannot fully comply with EMSD's **five minimum requirements** and other relevant requirements, WSD will not approve water supply to the cooling tower. It is an **offence** to connect and use water from WSD's waterworks for supply to cooling tower without WSD's permission.



To Choose Suitable Air Conditioning System

If the relevant requirements cannot be fully complied with, please consider **other suitable air conditioning systems**.

Enhanced Surveillance Inspection and Control

The Government has enhanced surveillance inspection and control of cooling towers to minimize the risk of spreading of Legionella bacteria.

Consequence of Offence

Pursuant to Waterworks Ordinance and Waterworks Regulations,

(1) Offenders are subject to prosecution:

- Maximum penalty for using water from the waterworks for cooling without permission is **HK\$ 10,000**.



- Maximum penalty for construction, installation or alteration of an inside service without permission is **HK\$ 25,000**.



(2) Offenders are subject to disconnection of water supply.

Don't be an Offender

For enquiry on cooling tower matters, please call Helpdesk(s) or visit website(s):

Design & Installation
EMSD Helpdesk 3757 6156
<http://www.emsd.gov.hk/emsd/eng/pee/psfwct.shtml>

Water Supply
WSD Helpdesk 2152 5621 / 5541
<http://www.wsd.gov.hk/en/fwct/index.html>

Buildings Department
http://www.bd.gov.hk/english/services/index_mwcs.html

Do Not Install Unauthorized Fresh Water Cooling Towers



Prevention of **Legionnaires' Disease**

Enhanced Control of Fresh Water Cooling Towers (Cooling Towers)

Requirements of Authorized Cooling Towers

1 Complied with **five minimum requirements** for obtaining approval of joining the “**Fresh Water Cooling Towers Scheme**” of **Electrical and Mechanical Services Department (EMSD)**:

- (i) distant from air intakes / air exhausts / windows / pedestrian thoroughfare with minimum 7.5m separation
- (ii) installation of effective drift eliminator
- (iii) provision of water treatment equipment and bleed off device
- (iv) avoidance of dead legs in pipeworks to prevent stagnant water
- (v) provision of adequate and safe access

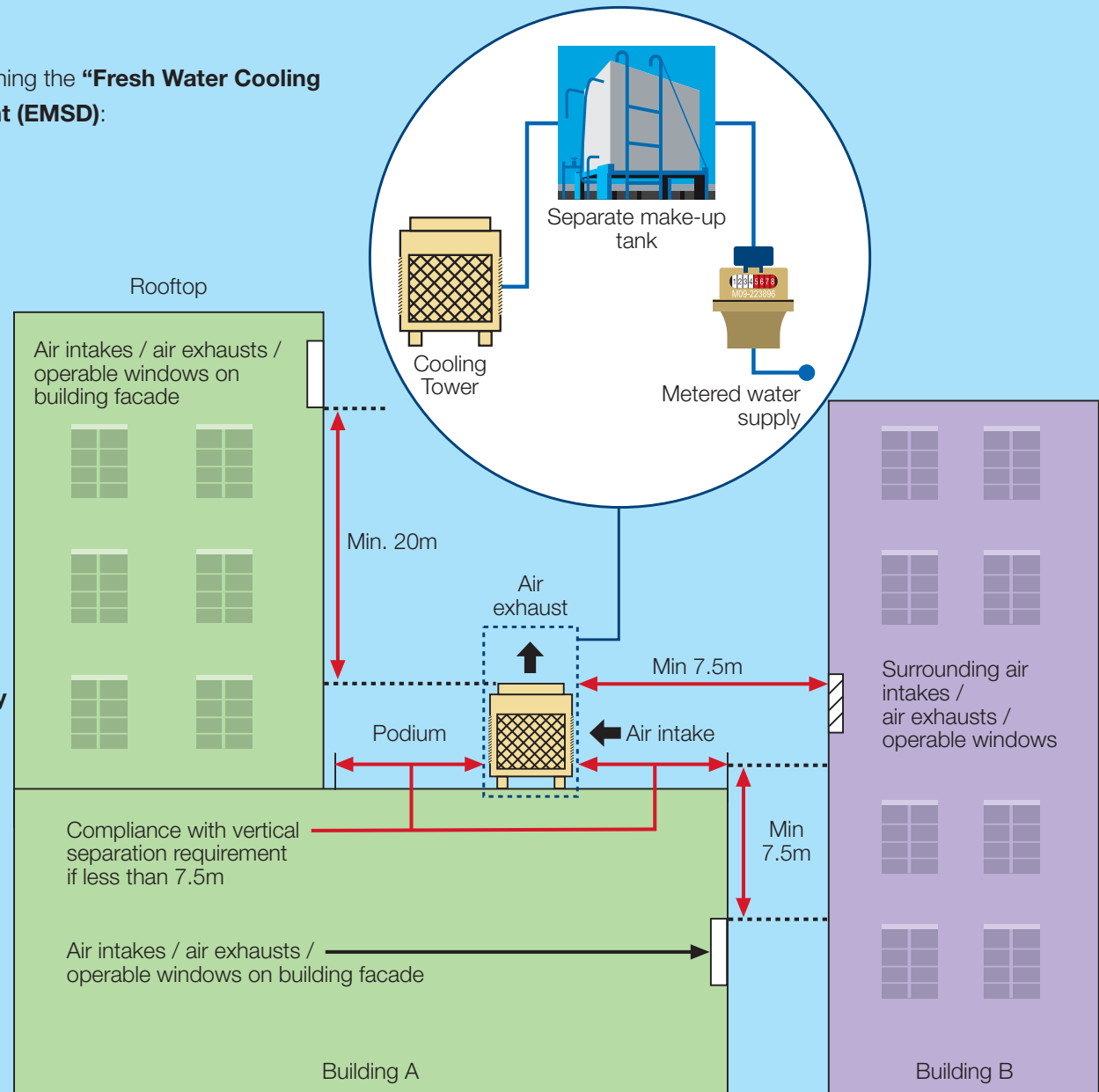
and other relevant requirements, e.g.

EMSD’s “Code of Practice for Fresh Water Cooling Towers”, and relevant provisions of “Public Health and Municipal Services Ordinance” under EMSD’s delegated authority.

2 Complied with **three conditions** for obtaining **approval of water supply to cooling towers** from **Water Supplies Department (WSD)** and Waterworks Ordinance, Waterworks Regulations and other relevant requirements:

- (i) metered water supply
- (ii) no water leakage/wastage from cooling tower and pipeworks
- (iii) provision of separate make-up tank.

3 Complied with other **related statutory requirements**, e.g. **Buildings Department’s** “Buildings Ordinance” and “Building (Minor Works) Regulation”.



Cooling Tower Installation Diagram