

Fresh Water Cooling Towers Scheme for Air Conditioning Systems
Application for Participation (Preliminary Assessment)

To : Director of Electrical and Mechanical Services

Part A : (To be completed by the Designer of the installation(s))

1. General details:

Building name : _____

Building address : _____

Building type: * Commercial / Educational / Government / Hospital & Healthcare / Hotel / Logistics /
 Public Transport / Public Utilities / Industrial / Science & Technology Estate /

Other (please state) _____ (the scheme is only for **non-domestic** buildings)

Quantity of cooling towers

*installed/to be installed: _____

Gross floor area served by the air conditioning installation under this application: _____ m²

2. Air conditioning system:

System status: *New / Replacement

In case of replacement, the existing heat rejection is dissipated through: *Air-cooled Condenser (incl. Air-cooled radiator) / Fresh Water Cooling Tower / Seawater Cooling Tower / Pumped Sea-water Once-through

Other (please state) _____

Cooling capacity: _____ kW Heat rejection capacity: _____ kW

Estimated peak daily make-up water demand by cooling tower(s): _____ m³

3. Cooling tower installed location:

Installed location: *Roof / Podium / Indoor / Other (please state) _____

		Direct separation	Horizontal separation
(a) Any critical air intake / exhaust ¹ or operable window nearest to cooling tower(s): *Yes / No	Outdoor air intake	_____ m	_____ m
	Exhaust air outlet	_____ m	_____ m
	Operable window	_____ m	_____ m
(b) Any public access or pedestrian thoroughfares near the cooling tower exhaust: *Yes / No	Areas of public access	_____ m	_____ m
	Pedestrian thoroughfares	_____ m	_____ m

¹ Critical outdoor air intake refers to fresh air intakes of the building air conditioning systems (e.g. PAU, AHU, lift vent) or any air intake that draws fresh air into the building. Critical exhaust air outlet refers to kitchen exhaust, toilet exhaust, carpark exhaust or any exhaust outlet of which the emitted air can contaminate the cooling water or pollute the cooling air.

* delete as appropriate

Part B : (To be completed by the owner of the installation(s))

I, as the owner of the cooling tower installation(s), wish to apply for the use of fresh water for the cooling tower(s) via the Scheme, and I fully understand the conditions and obligations of participation.

Signature of Owner or his Representative: _____	Date: _____	
Full Name of Owner or his Representative: _____		Company Chop:
Company: _____		
Tel No.: _____	Fax No.: _____	
Correspondence Address: _____		

Part C : (to be completed by EMSD for internal use)

File Ref.: EEO/WC/13/01/
Cooling Tower Registration. No.: PS-
Applicant Ref. No.: _____

Having checked Form CT1A and associated plans / drawings, the application submitted by _____ to use fresh water for the cooling tower installation(s) via the Scheme at (address of premises) _____ is

- supported in principle.
- not supported, because _____.

_____ (_____)

Post: _____
Telephone Number: _____
Date: _____

c.c. Director of Water Supplies (Attn: SE/CS(HK/K/NT*))
Director of Buildings (Attn: SBS/D3)