



# Code of Practice on Environmental Health

## Public Toilets

# Outline



**Overview**



**Requirements for Public Toilets**



**References**

# Overview

## Public toilets

- ❖ Defined as a toilet that the general public has free access, regardless of payment/ non-payment
- ❖ Design depends on the following factors:-
  - ❖ Ease of maintenance
  - ❖ Facilitate proper toilet use and personal toilet hygiene

### References :

- ❖ Code of Practice on Environmental Health (COPEH) 2005 – Section 2
- ❖ Environmental Public Health Act (EPHA)
- ❖ A Guide to Better Public Toilet Design & Maintenance

# COPEH

- Provides guidelines to address Environmental Health concerns in the design of buildings
- Spells out the objectives to be met
- Stipulates the minimum basic design criteria

QPs may exercise flexibility and creativity to meet the stated requirements, so long as design outcomes satisfy the stated objectives

# General Design Criteria

Design of toilet's main entrance : **Do away with a door**

Cubicles, urinals & mirrors shall be sited away from line of sight from main entrance

Off-set Entrance maze without Doors



Automated Entrance Door



# Sanitary Fittings

The number of public toilets and sanitary fittings to be provided in a building, is given in COPEH (Appendix 2)

Categories of Places		Number of Sanitary Facilities				
		Female		Male		
		WC	WHB	WC	UR	WHB
(1)	<b>SHOPPING PLACE/ SUPERMARKET/ WET MARKET</b>					
	Not more than 350 sq m	1*	1*	-	-	-
	351 sq m to 700 sq m	2	1	1	1	1
	701 sq m to 1,000 sq m	3	2	1	2	1
	1,001 sq m to 1,500 sq m	4	3	1	3	2
	1,501 sq m to 3,000 sq m	5	3	2	3	3
	3,001 sq m to 5,000 sq m	7	4	3	4	4
	Every additional 2,000 sq m or less in excess of 5,000 sq m	2	1	1	1	1

\*To be used by both male and female

WC: Water Closet

WHB: Wash Hand Basin

UR : Urinal

# Sanitary Fittings

Categories of Places		Number of Sanitary Facilities				
		Female		Male		
		WC	WHB	WC	UR	WHB
(1)	<b>EATING ESTABLISHMENT/ FOOD CENTRE/ BAR/ NIGHTCLUB</b>					
	Not more than 250 sq m	1*	1*	-	-	-
	251 sq m to 500 sq m	2	1	1	1	1
	501 sq m to 750 sq m	3	2	1	2	2
	751 sq m to 1,000 sq m	5	2	2	3	2
	1,001 sq m to 1,500 sq m	6	3	2	4	3
	1,501 sq m to 2,000 sq m	8	4	3	5	4
	2,001 sq m to 3,000 sq m	9	5	3	6	4
	3,001 sq m to 4,500 sq m	11	6	4	7	5
	Every additional 1,500 sq m or less in excess of 4,500 sq m	2	1	1	1	1

\*To be used by both male and female

WC: Water Closet

WHB: Wash Hand Basin

UR : Urinal

# Provision of Amenities



- **Liquid soap or foam soap dispenser**
  - Minimum of one soap dispenser shall be provided for every two wash hand basins
- **Hand-dryer blower or paper towel dispenser**
  - Minimum of one hand-dryer blower and/or paper towel dispenser shall be provided near the wash hand basin area
- **Litterbins**
  - Minimum of one litterbin shall be provided near wash hand basin area
  - Sanitary bin provided in each WC cubicle in the female toilet
- **Toilet paper holder**
  - A jumbo toilet paper roll holder or a toilet tissue sheet dispenser of similar capacity shall be installed in each WC cubicle.



# Provision of amenities in Public Toilets mandated by law (since 1992)

## Regulation 16A

Environmental  
Public Health  
(Public Cleansing)

“Every **owner** or occupier of a building shall ensure that the **toilets** therein to which the **public has access** are at all times **provided** with **adequate toilet paper, soap** or liquid detergent, **litter bins**, and **clean towels** or **hand dryers**.”

## Regulation 30 (2c)

Environmental  
Public Health  
(Food Hygiene)

“Every **licensee** of a food establishment or private market shall ensure that –  
(c) the **toilet** is **provided** with **toilet paper, soap** or liquid detergent, **litter bin** or **receptacle** and **clean towel** or **hand dryer**;

# Penalties for Toilet Owners

## Environmental Public Health Act (Chapter 95)

### Management of Food Establishments

(Failure to keep toilet clean/  
Failure to provide amenities)

- Fine of \$300
- 4 demerit points for each offence

### Management of Buildings

(Failure to provide amenities)

- Fine of \$300

# References – Public Toilets



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Weather Till 12AM, 21-03-2011

24 - 31°C

Showers with thunder over many areas in the afternoon.

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PSI as at 4 PM, 19-03-2011

23

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Radiation Level at 4pm, 19 Mar 11

0.08 micro-sievert per hour  
Status: **NORMAL**

NEA monitors the ambient radiation level continuously. The average radiation level from 18 Mar 2011 (4 pm) to 19 Mar 2011 (4 pm) is 0.08 micro-sievert per hour. It is within the normal background levels.

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Singapore's Efforts

Public urged not to be unduly alarmed

Minimal risk of a radiological plume over Singapore

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Energy Efficient Singapore Campaign  
[Learn about Energy Efficiency here](#)



Do The Right Thing. Let's Bin It!  
[New Anti-littering Campaign](#)  
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# References – Public Toilets

The screenshot shows the Singapore Environment Centre website. At the top, a navigation menu includes: Home, About Us, Programmes, Resources, Topics, Funds & Incentives, Awards, Online Services, and Newsroom. On the left, there are links for Business, Individual, and School. A weather widget shows a temperature of 24 - 31°C and a PSI of 23. A radiation level widget reports 0.08 micro-sievert per hour, which is normal. A central 'Topics' list includes: Air Pollution, Building Plan Submission Procedures & Requirements, Care For The Dead Services, Climate Change And Energy Efficiency, Drinking Water Unit, Environmental Monitoring, Environmental Planning, Environmental Research, Environmental Technology, Environmental Training, Food Hygiene, Hawker & Market Centres, Hazardous Substance Control, Haze, MET Services, Multilateral Environmental Agreements, Noise Pollution, Pollution Control, Port Health, Public Cleanliness, and Public Toilet. The 'Public Toilet' item is circled in red. On the right, there are sections for 'clean city' (a strong reflection of our moral and civic values), 'Latest Campaigns' (Energy Efficient Singapore Campaign, 10% Energy Challenge), and 'LET'S BIN IT!' (New Anti-littering Campaign).

# References – Public Toilets

The screenshot shows the National Environment Agency (NEA) website. At the top left is the NEA logo with the tagline "Our Environment - Sustain and Enjoy". At the top right is the Singapore Government logo with the motto "Integrity • Service • Excellence" and links for "Contact Info", "Feedback", "Sitemap", "FAQ", and "Useful Links". A search bar is located below the government logo. A navigation menu includes "Home", "About Us", "Programmes", "Resources", "Topics", "Funds & Incentives", "Awards", "Online Services", and "Newsroom". A banner image shows children in school uniforms participating in an outdoor activity, with the word "Programmes" overlaid on the right. On the left side, there is a vertical menu with categories: ".Business", ".Individual", and ".School". Below this is a list of topics, each with a small icon: "Air Pollution", "Care For The Dead Services", "Building Plan Submission Procedures & Requirements", "Climate Change And Energy Efficiency", "Drinking Water Unit", "Environmental Monitoring", "Environmental Planning", "Environmental Research", "Environmental Technology", and "Environmental Training". The main content area shows the breadcrumb "Home > Topics > Public Toilet" and a "Print" button. The title "Public Toilet" is displayed in large blue font. The text below the title reads: "Promoting clean and well-maintained public toilets is an important aspect of NEA's public health efforts. NEA provides owners of public toilets with [operating and maintenance guidelines and requirements](#)." The next paragraph states: "Design guidelines for public toilets can be found [in the Code of Practice on Environmental Health](#)." The following paragraph mentions: "NEA, in collaboration with the Restroom Association of Singapore, has published a guidebook titled ['A Guide To Better Public Toilet Design and Maintenance'](#) that covers topics such as design, layout, ventilation, maintenance and user education." The final paragraph says: "Public can also [download educational posters on public toilets](#) from NEA's website." Two red circles highlight the links "in the Code of Practice on Environmental Health" and "'A Guide To Better Public Toilet Design and Maintenance'" in the text.

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## Public Toilet

Promoting clean and well-maintained public toilets is an important aspect of NEA's public health efforts. NEA provides owners of public toilets with [operating and maintenance guidelines and requirements](#).

Design guidelines for public toilets can be found [in the Code of Practice on Environmental Health](#).

NEA, in collaboration with the Restroom Association of Singapore, has published a guidebook titled ['A Guide To Better Public Toilet Design and Maintenance'](#) that covers topics such as design, layout, ventilation, maintenance and user education.

Public can also [download educational posters on public toilets](#) from NEA's website.

- ▣ Air Pollution
- ▣ Care For The Dead Services
- ▣ Building Plan Submission Procedures & Requirements
- ▣ Climate Change And Energy Efficiency
- ▣ Drinking Water Unit
- ▣ Environmental Monitoring
- ▣ Environmental Planning
- ▣ Environmental Research
- ▣ Environmental Technology
- ▣ Environmental Training

# References – Public Toilets

- ☐ Milieu
- ☐ State of the Environment
- ☐ Environment Courses
- ☐ List of Licences

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Code of Practice for Licensed General Waste Collectors  
Code of Practice on Pollution Control  
Code of Practice for the Control of Legionella Bacteria in Cooling Towers  
Code of Practice on Piped Drinking Water Sampling and Safety Plans

## Code of Practice on Environmental Health

[back to top](#)

The code of practice contains information on the essential design criteria which should be met to satisfy environmental health requirements in the design of refuse storage and collection systems, public toilets, food retail outlets, supermarkets, food catering outlets, markets, swimming pools and dormitories.

The code of practice emphasises the objectives to be achieved rather than the means to achieve these objectives. In this way, qualified professionals such as architects, professional engineers and developers, as well as members of the public, can exercise flexibility and creativity in their building designs.

Release	Date of release		
COPEH 2005	Nov 2005		<a href="#">Download</a>
Addendum No. 1	Feb 2006	<a href="#">View on-line</a>	<a href="#">Download</a>
COPEH 2005 with Addendum No. 1	Feb 2006		<a href="#">Download</a>
Addendum No. 2	Aug 2007	<a href="#">View on-line</a>	<a href="#">Download</a>
COPEH 2005 with Addendum No. 1 & 2	Aug 2007	<a href="#">View on-line</a>	<a href="#">Download</a>
Addendum No. 3	Jan 2009	<a href="#">View on-line</a>	<a href="#">Download</a>
COPEH 2005 with Addendum No. 1,2 & 3	Jan 2009	<a href="#">View on-line</a>	<a href="#">Download</a>
Addendum No. 4	Aug 2010	<a href="#">View on-line</a>	<a href="#">Download</a>
COPEH 2005 with Addendum No. 1,2,3 & 4	Aug 2010	<a href="#">View on-line</a>	<a href="#">Download</a>

# References – Public Toilets

Home > Resources > Code of Practice of Environmental Health 2005 (with addendum 4) Print

- Guidebooks/Handbooks
- Code of Practice
- Request for Educational Materials
- Legislation
- Milieu
- State of the Environment
- Environment Courses
- List of Licences

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## Code Of Practice On Environmental Health 2005

### Introduction

- Introduction

### Building Plan Requirements

### Section

- Reuse Storage And Collection System
- Public Toilet
- Food Retail Outlet
- Supermarket
- Food Catering Outlet
- Market
- Swimming Pool
- Dormitory
- Anti-Mosquito Breeding
- Premises With Cattle
- Storage And Collection System For Recyclables At Strata-Titled Properties With Residential Units

### Appendix

- Example of Layout of Bin Centre
- Provision of Sanitary Facilities

# References – Public Toilets

NEA  
Website

Topics

Public  
Toilets

**COPEH  
2005**

<http://app2.nea.gov.sg/codeofpractice.aspx>

**Environmental  
Public Health  
Act  
(EPHA)**

<http://app2.nea.gov.sg/legislation.aspx>

**Guide to Better  
Public Toilet  
Design &  
Maintenance**

- Publication may also be used for further reference.
- [http://app2.nea.gov.sg/topics\\_public\\_toilet.aspx](http://app2.nea.gov.sg/topics_public_toilet.aspx)



**Thank You**