

The background features a vibrant rainbow arching across the scene, with stylized white clouds. Four cheerful cartoon water drop characters are positioned around the central text. In the top left, a male water drop with a wide smile and raised fist. In the top right, a female water drop with a pink bow and a surprised expression. In the bottom left, a female water drop with long eyelashes and a happy expression. In the bottom right, a male water drop with a brown mustache and a happy expression. The central text reads "Water Conservation Starts from Home" in a bold, rounded font. The words "Water Conservation" and "Starts from" are in dark blue, while "Home" is in orange.

Water Conservation Starts from Home



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Water Supplies Department

Did You Know?



- Only 2.5% of the world's water is fresh water; the rest is seawater
- 70% of fresh water is locked in the polar ice caps



Did You Know?



More than half of the world's available fresh water supply allocated in below countries:



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Water Supplies Department

Did You Know?

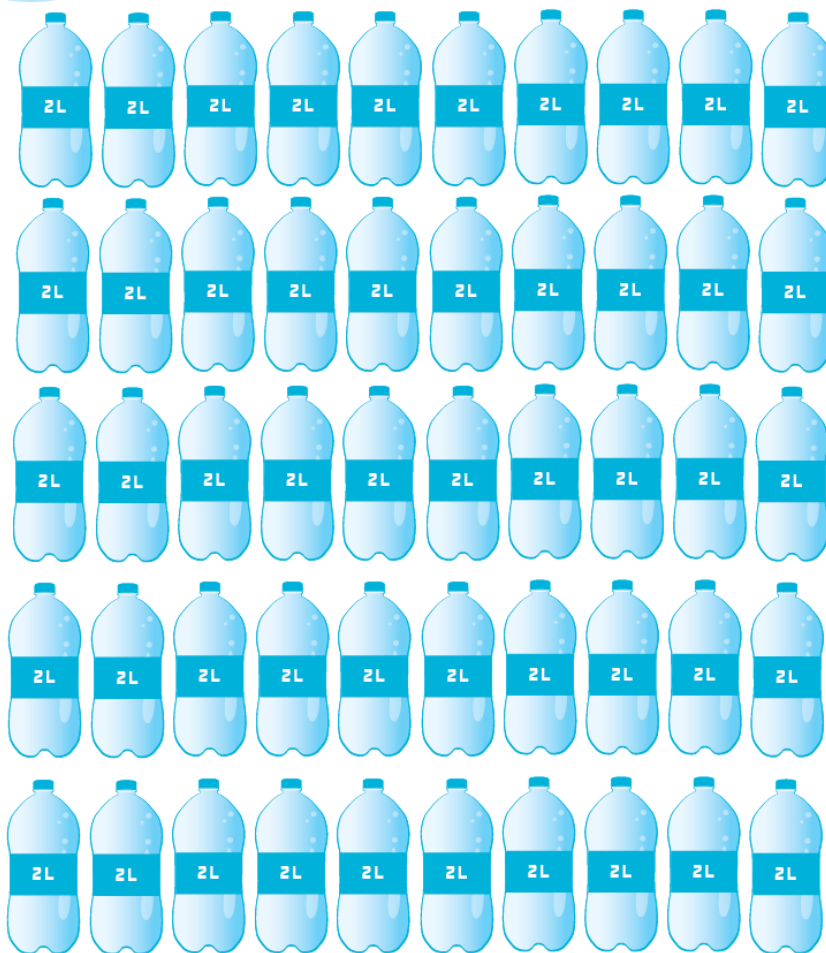


Countries suffering from severe droughts
in recent years include:





Did You Know?



The UN reckons that:
For personal and
domestic uses, about
50L to 100L of water
per person per day is
required





Did You Know?

In many countries, women and children have to travel **6 km** each day to fetch water

Sport Ground

15

Grounds





Did You Know?

Number of people without access to improved water sources:

780 million



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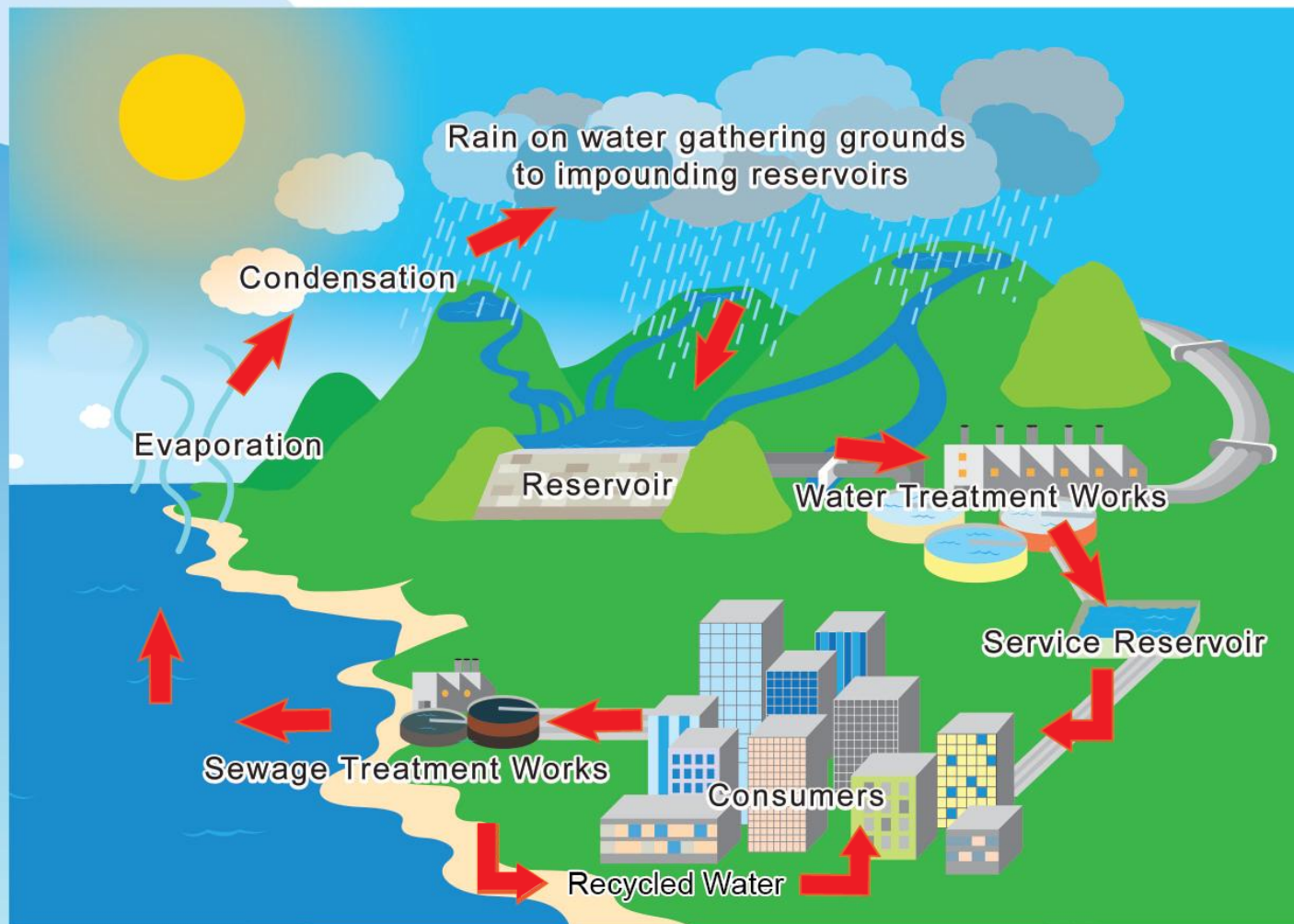
Did You Know?

Number of people without
access to basic sanitation
facilities:

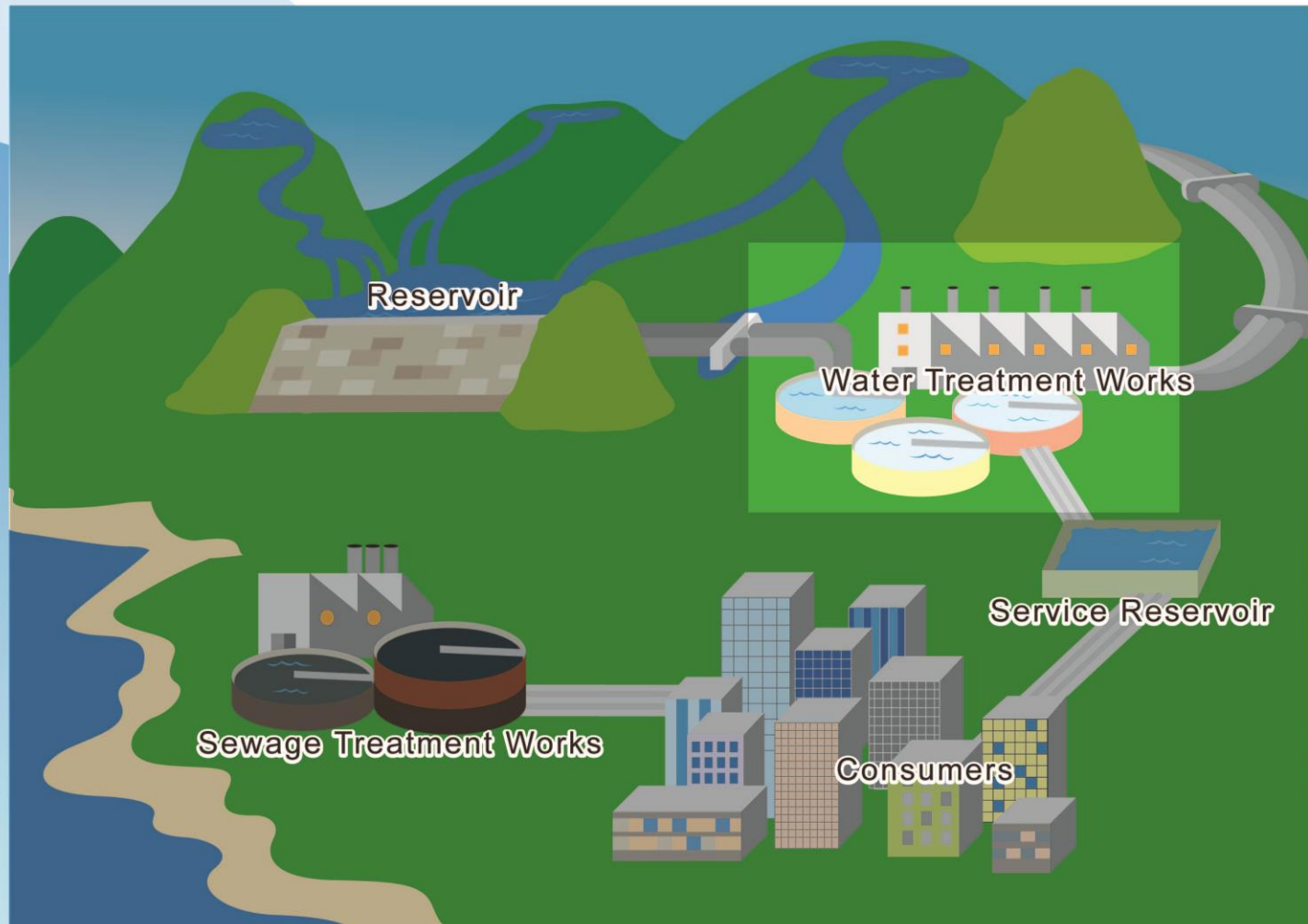
2.5 billion



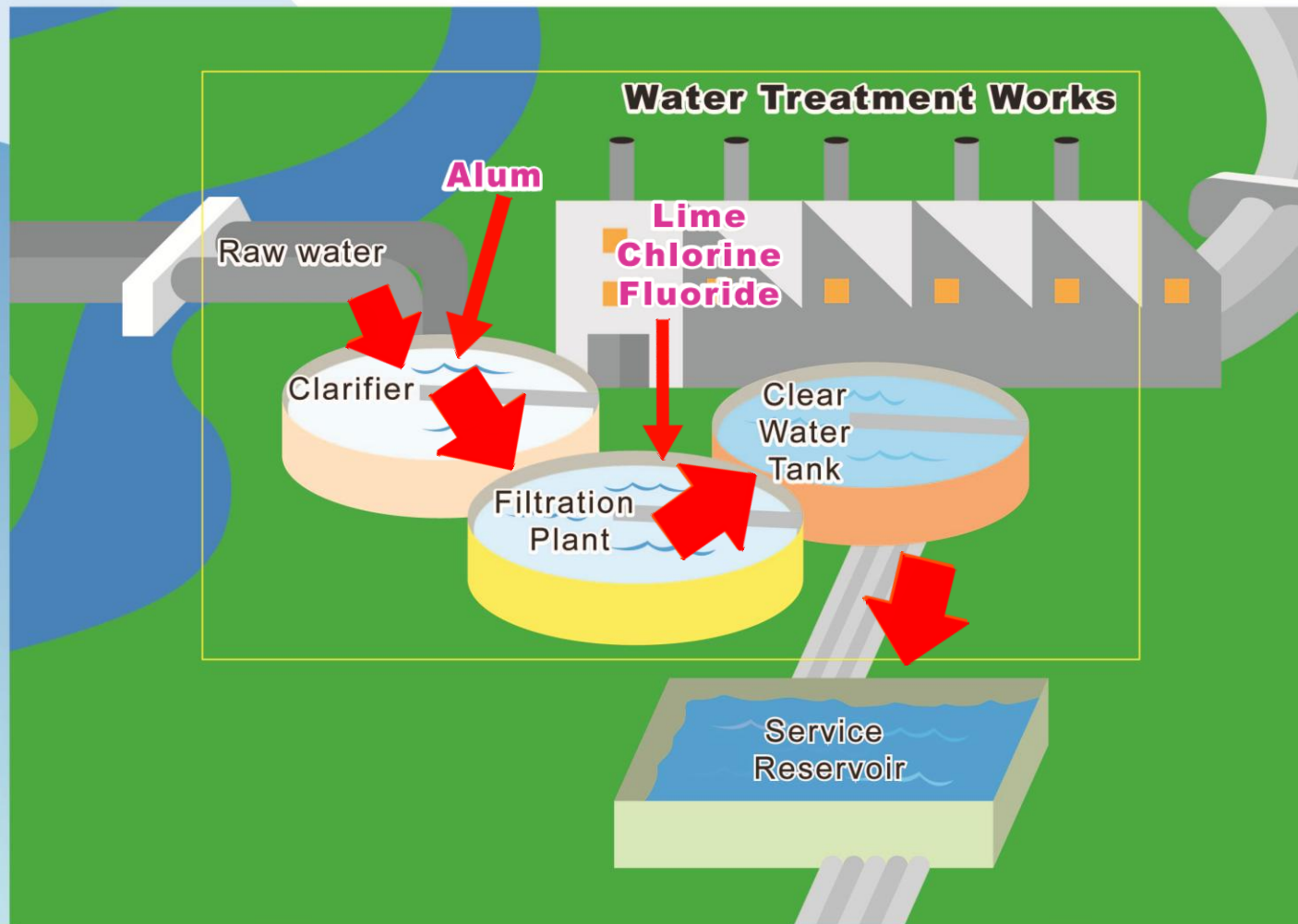
Water Cycle



Water Supply System

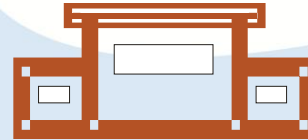


Water Treatment Process



Water Supply System

Raw Water



Water
Treatment
Works



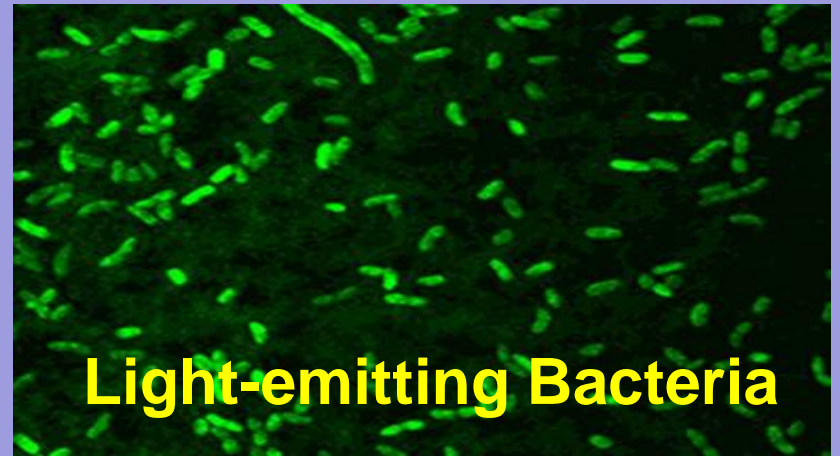
Biosensing Alert System



Zebrafish

Continuous Monitoring

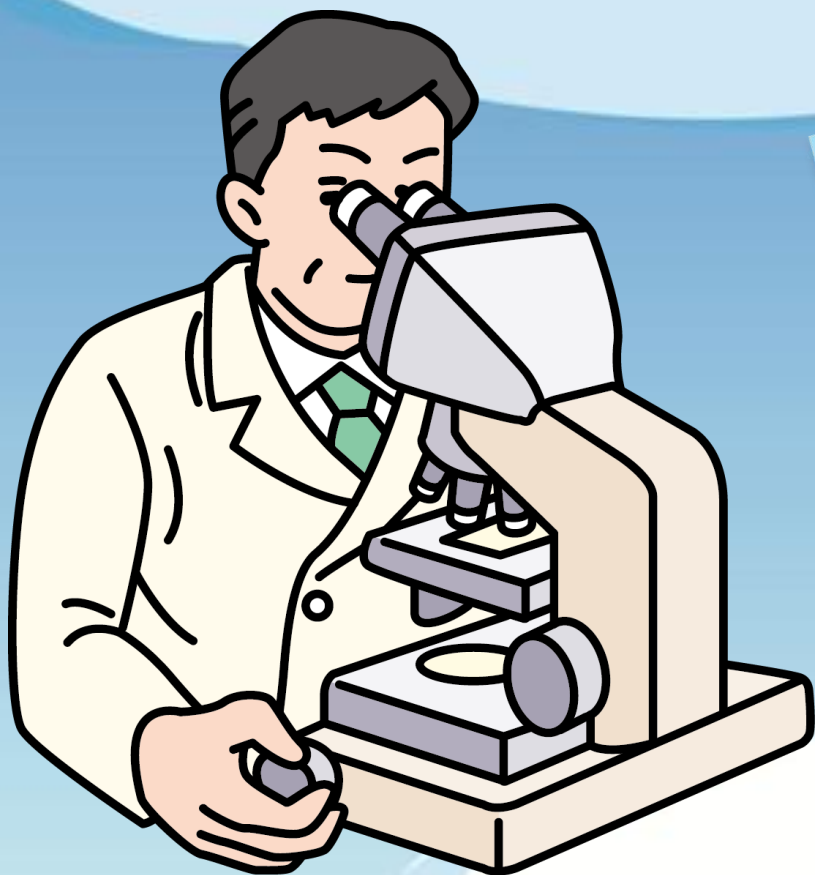
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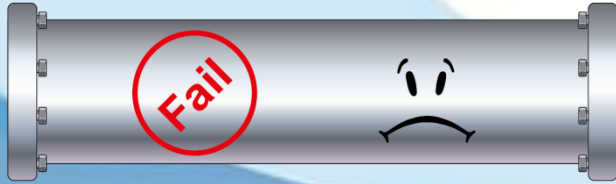
Light-emitting Bacteria

Rapid Testing

Proper maintenance of Fresh Water Supply System in Buildings



How could the water be contaminated?



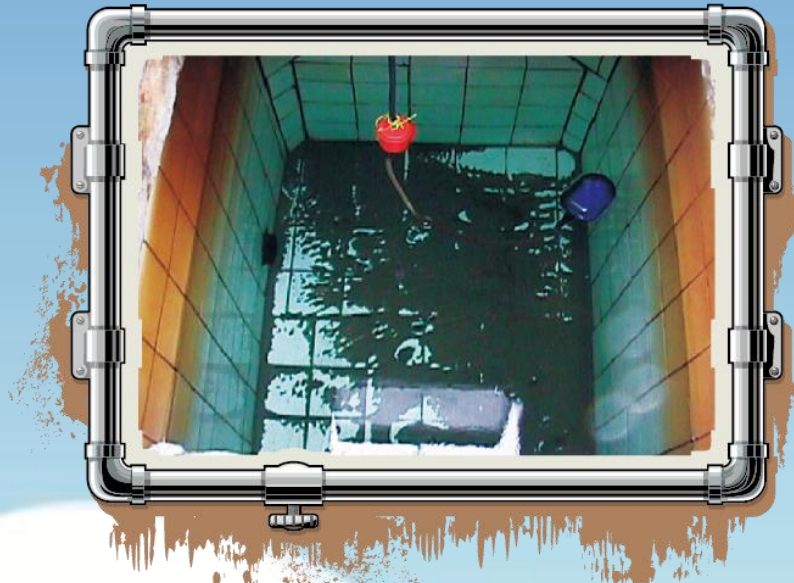
Substandard
pipes and fittings



Aged or rusted pipes



Old and worn-out
inside service
systems

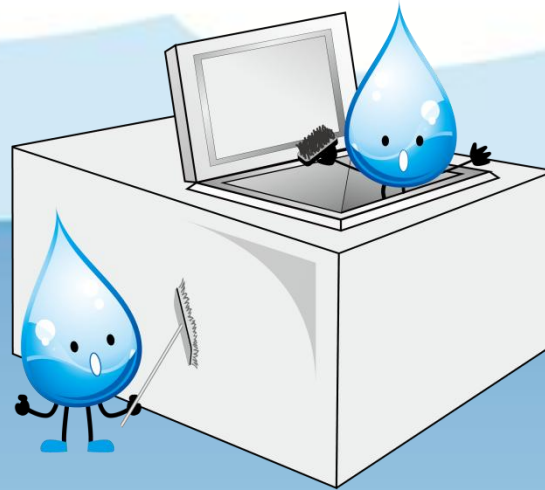


Inadequate cleaning to
roof and sump tank

How to Maintain Quality Water ?



1. Employ licensed plumbers to inspect the plumbing system regularly



2. Clean fresh water tanks at least once every 3 months



3. Maintain water filters properly

How to Maintain Quality Water ?



4. Engage an accredited laboratory to take water samples and carry out testing



5. If water has not been used overnight, run water taps before taking any water for drinking or cooking

6. Use only cold water from water taps for cooking and drinking

Water Sources in Hong Kong

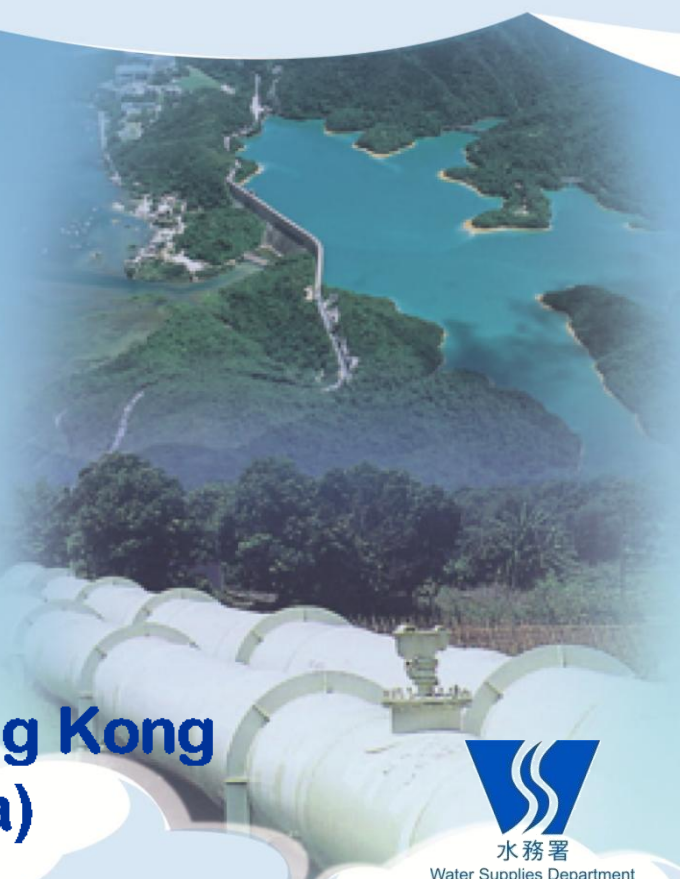
Rainwater :

20% — 30%

Dongjiang water :

70% — 80%

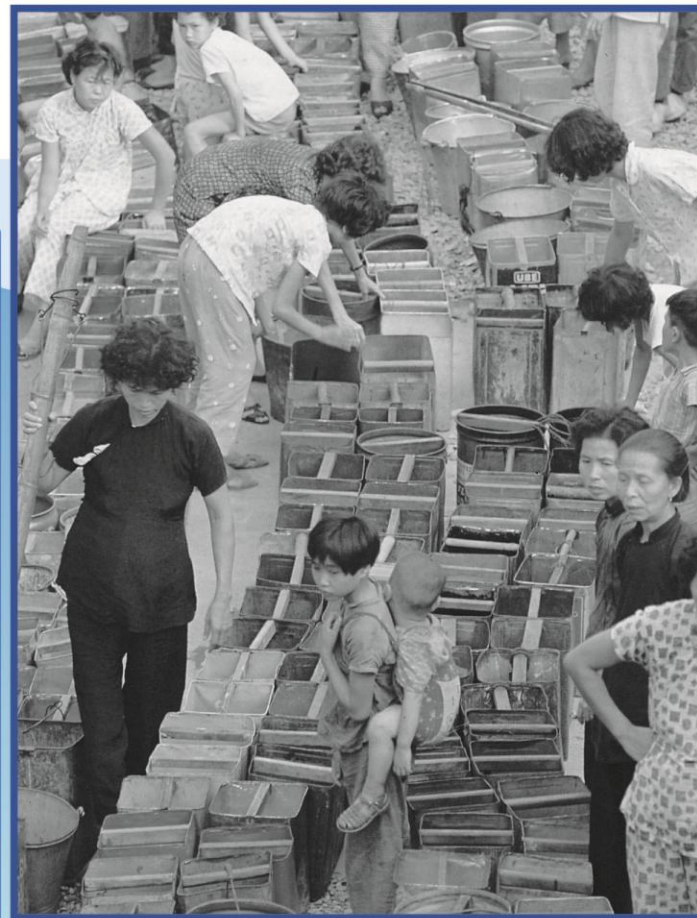
(through a 80 km supply network; Hong Kong
shares water with other cities in China)



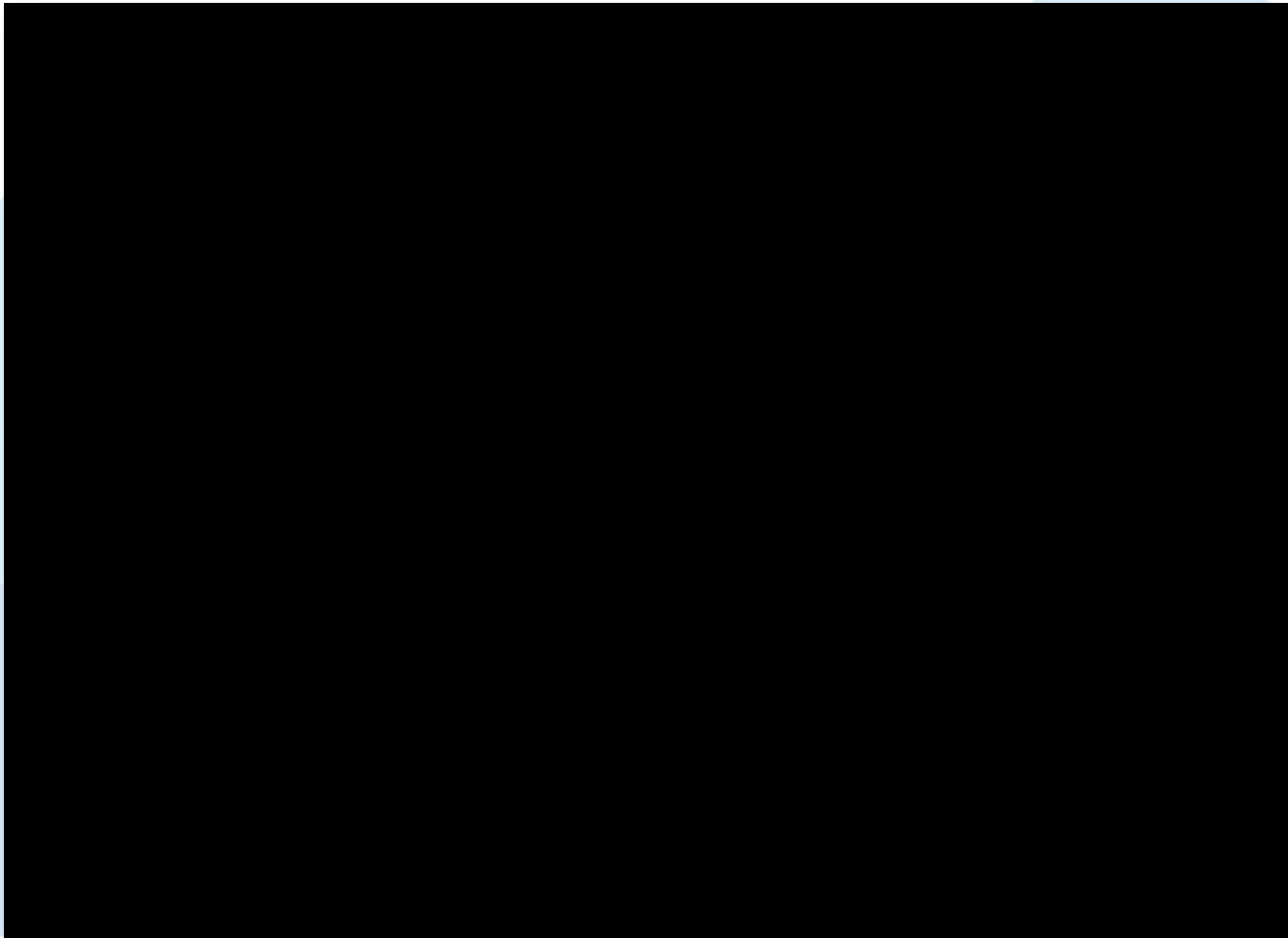
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Shortage of Water in 1960s



Shortage of Water in 1960s



From Water Rationing to Stable Water Supply

- **New reservoirs**
- **Seawater for flushing**
- **Dongjiang water**

No water rationing since 1982



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Total Water Management (TWM) Strategy

- **To better prepare Hong Kong for uncertainties such as acute climate changes**
- **To enhance Hong Kong's role as a good partner of other municipalities in Pearl River Delta in promoting sustainable development in the light of the rapid growth in water demand in the region**



Total Water Management (TWM) Strategy

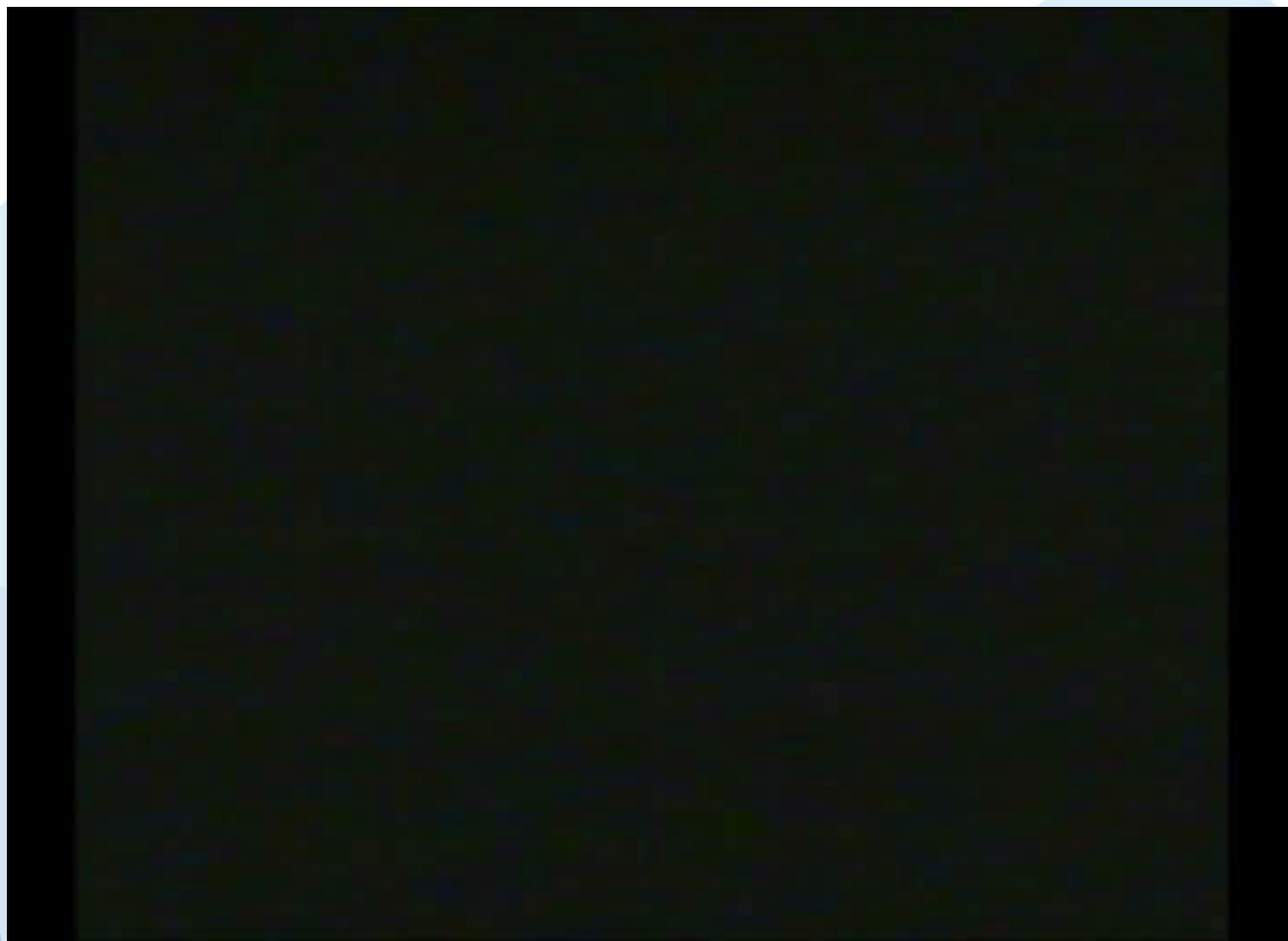
Aim:

To manage the demand and supply in an Integrated, Multi-sectoral and Sustainable manner



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Video - Save Water for the Future, Every Drop Counts



Total Water Management (TWM) Strategy

Key points of the strategy:

- **Containing growth of water demand through conservation**
- **Strengthening water supply management**



Promoting Water Conservation

- **TV APIs**
- **Radio APIs**
- **Advertisements**
- **School campaigns**
- **Water bill inserts**
- **Roving exhibitions**
- **Distribution of promotional leaflets, posters, brochures to the public**
- **Dedicated webpage**
- **Promotional activities such as WWD, WWMD, seminars, Open Days, etc**



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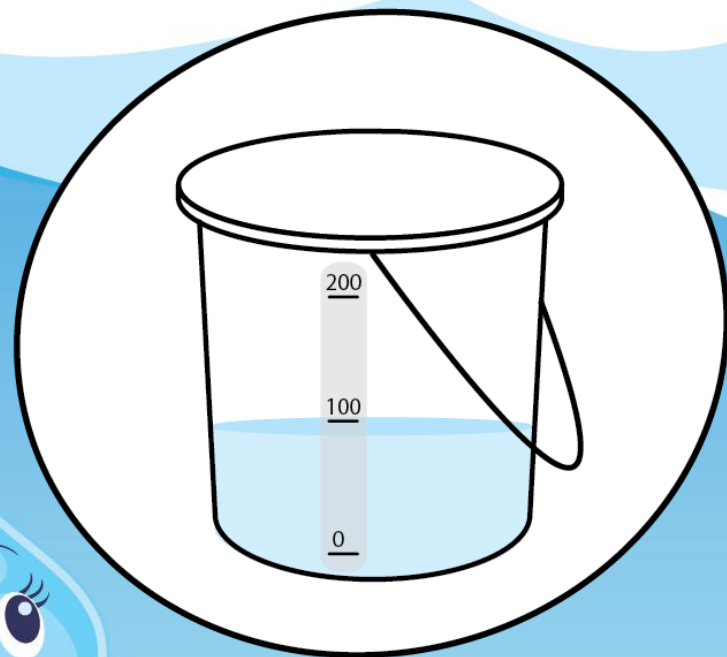
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How much water do you consume daily?

The UN reckons that:
For personal and domestic
uses, about 50L to 100L
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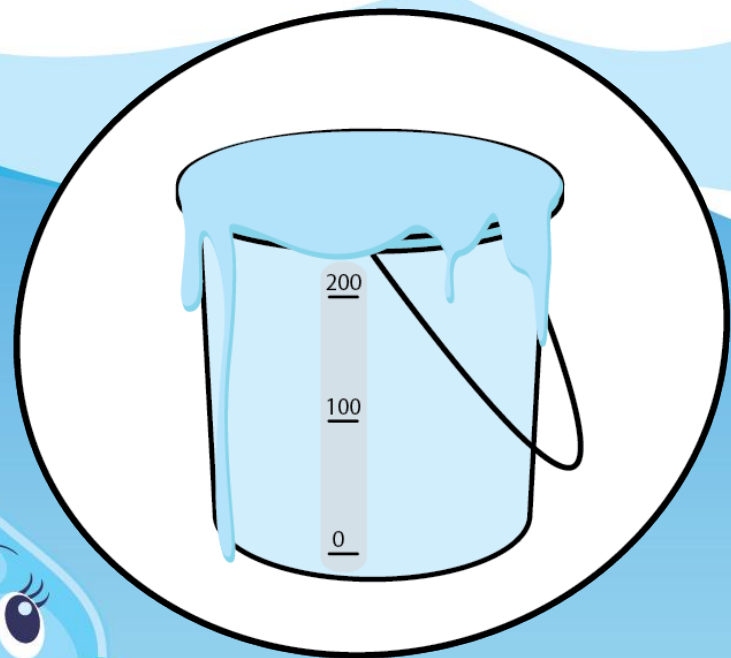


How much water do you consume daily?

The average water consumption per person per day in HK is:

Fresh water: 130L

Sea water: 90L



The background features a light blue sky with soft white clouds. In the top left corner, a vibrant rainbow arches across the sky. Two cheerful, anthropomorphic water drop characters are positioned in the lower-left area, appearing to peek out from behind a cloud. The character on the left is a simple blue drop with a wide, open-mouthed smile and its hands raised near its cheeks. The character on the right is a similar blue drop but includes a small pink bow on its head and has its hands clasped together in front of its chest. A large, white, oval-shaped speech bubble with a blue outline originates from the characters, containing the text 'How can we save water?'.

**How can we
save water?**



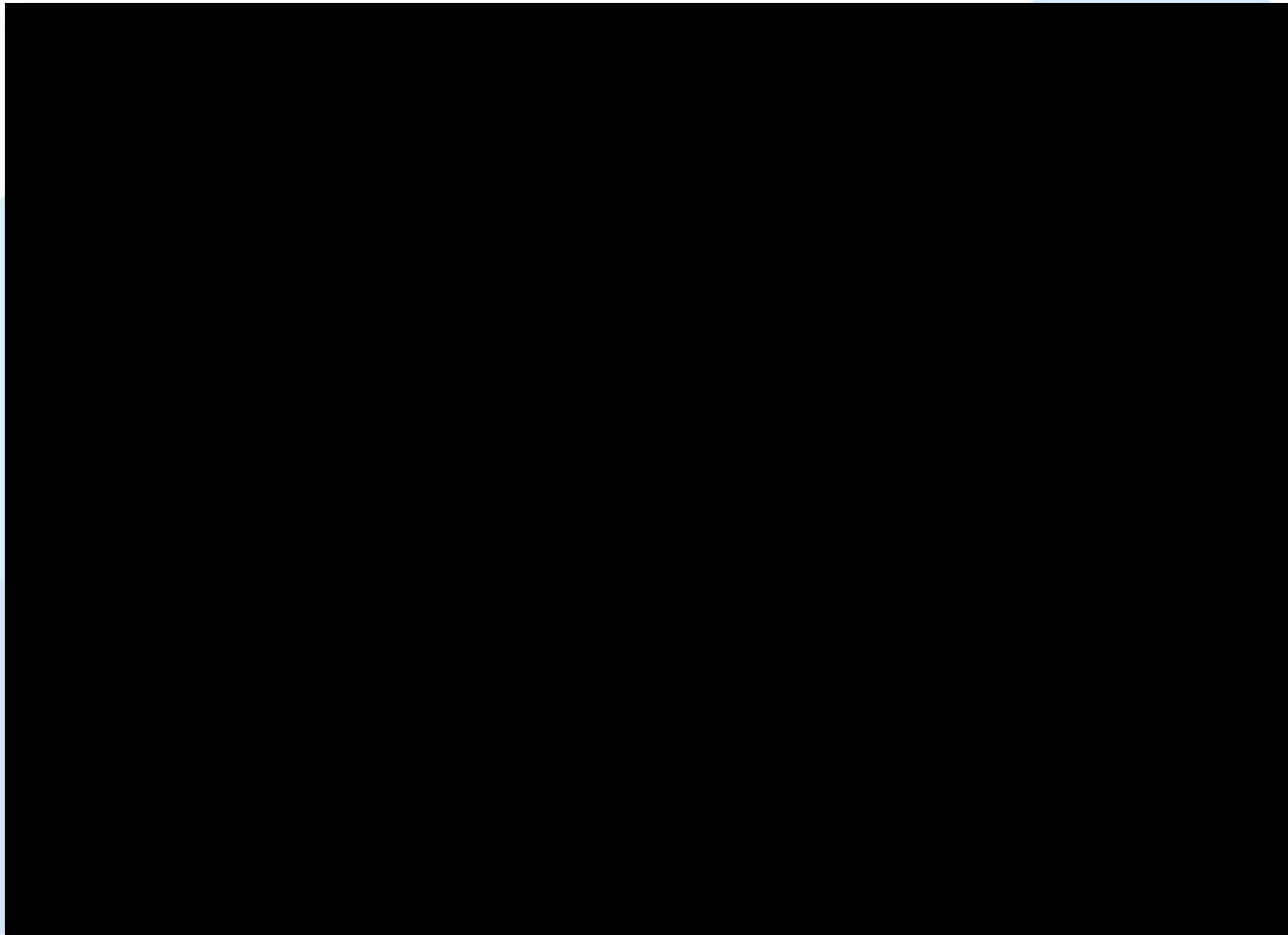
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Water Saving Tips



Take a shower instead of a bath

Video - Save Water, Take Shorter Showers



Water Saving Tips



**Do not wash the dishes
under a running tap**

Water Saving Tips



Do laundry with a full load



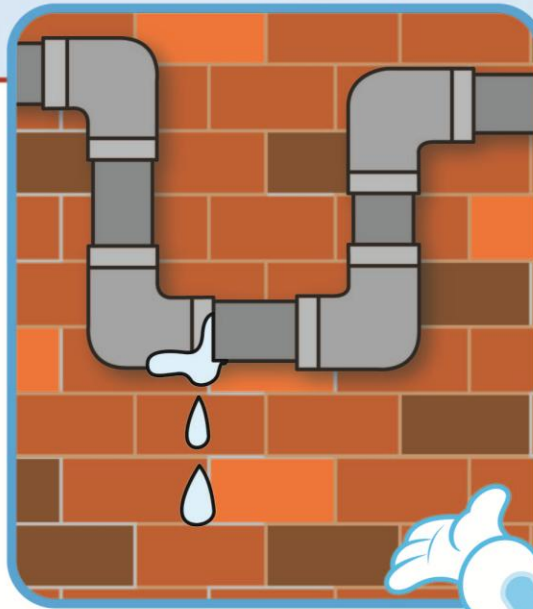
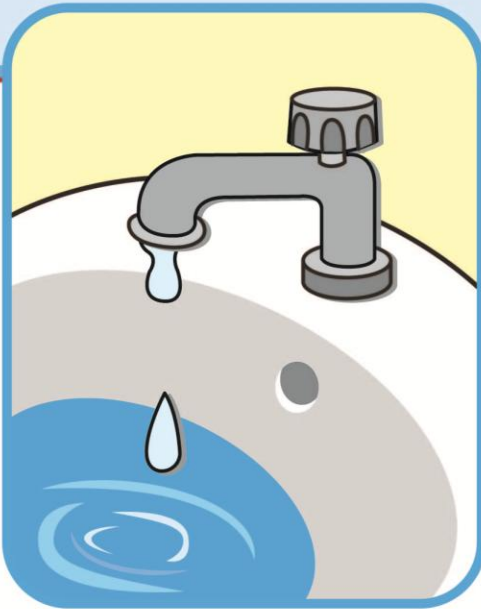
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Water Saving Tips



**Reuse the water after washing fruits and vegetables
for watering the plants**

Water Saving Tips



Inspect and maintain plumbing regularly to prevent water leaks



Water Saving Tips



Use dual flush cistern and avoid flushing unnecessarily

Water Saving Tips



Wash cars with a bucket of water and the towel, instead of a running hose

Water Saving Tips



Use water saving devices

Water Efficiency Labelling Scheme (WELS)

- Similar to EMSD's Energy Efficiency Labelling Scheme
- Indicate the level of water consumption and efficiency rating of plumbing fixtures and appliances
- Water Efficiency Grading: 1 to 4; Grade 1 = Most water-efficient

用水效益標籤
Water Efficiency Label



用水效益級別
Water Efficiency Grade **1**

水點愈少，用水效益愈高。
The fewer droplets, the more water efficient.

牌子 Brand 某某牌 SH1
型號 Model WS-123
耗水量 (公升 / 分鐘) Water Consumption (litres / minute) 8.2
登記號碼 Registration No. WELS12

如需詳細資料，請登入
www.wsd.gov.hk 或致電 2824 5000。
For more information, please refer to
www.wsd.gov.hk or call 2824 5000.



用水效益標籤
Water Efficiency Label



用水效益級別
Water Efficiency Grade **2**

水點愈少，用水效益愈高。
The fewer droplets, the more water efficient.

牌子 Brand 某某牌 SH2
型號 Model WS-234
耗水量 (公升 / 分鐘) Water Consumption (litres / minute) 10.2
登記號碼 Registration No. WELS34

如需詳細資料，請登入
www.wsd.gov.hk 或致電 2824 5000。
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www.wsd.gov.hk or call 2824 5000.



用水效益標籤
Water Efficiency Label



用水效益級別
Water Efficiency Grade **3**

水點愈少，用水效益愈高。
The fewer droplets, the more water efficient.

牌子 Brand 某某牌 SH3
型號 Model WS-345
耗水量 (公升 / 分鐘) Water Consumption (litres / minute) 13.2
登記號碼 Registration No. WELS56

如需詳細資料，請登入
www.wsd.gov.hk 或致電 2824 5000。
For more information, please refer to
www.wsd.gov.hk or call 2824 5000.



用水效益標籤
Water Efficiency Label



用水效益級別
Water Efficiency Grade **4**

水點愈少，用水效益愈高。
The fewer droplets, the more water efficient.

牌子 Brand 某某牌 SH4
型號 Model WS-456
耗水量 (公升 / 分鐘) Water Consumption (litres / minute) 17.2
登記號碼 Registration No. WELS78

如需詳細資料，請登入
www.wsd.gov.hk 或致電 2824 5000。
For more information, please refer to
www.wsd.gov.hk or call 2824 5000.



Covers washing machines, showers for bathing, water taps, urinal equipment and flow controllers

Installation of Flow Controllers



**Flow controller
Sample**

**WSD has started the flow
controller installation
programme in government
buildings and schools**



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Replacement and Rehabilitation Programme of Water Mains

- **Around 7,800 km network of water mains**
- **About 45% of the water mains were laid more than 30 years ago**
- **The programme commenced in December 2000 to replace and rehabilitate about 3,000 km of water mains**

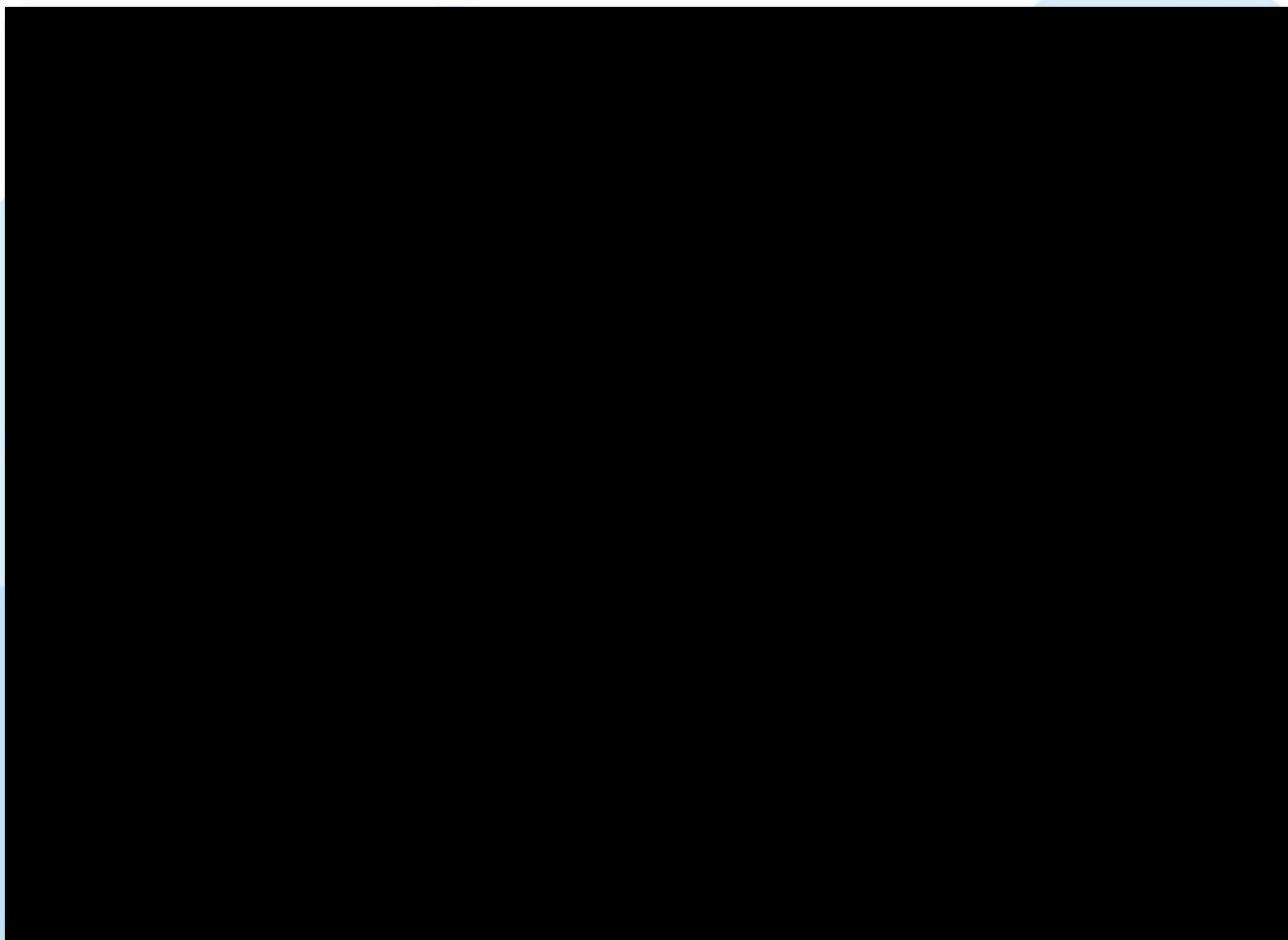


Active Leakage Control

- Enhance leakage detection by adopting new technologies for monitoring
- Implement pressure management in water supply zones by phases



Video - Prevent Water Leaks



Total Water Management (TWM) Strategy

Key points of the strategy:

- Containing growth of water demand through conservation
- **Strengthening water supply management**



Protection of Water Resources

- **Strengthen current practice in protection of local water resources**
- **Continue dialogue with the Guangdong Authorities to ensure the quality of Dongjiang water**



Water Reclamation

- **The Government has conducted pilot schemes in Ngong Ping and Shek Wu Hui**
- **It will investigate the feasibility on providing reclaimed water to consumers in Sheung Shui and Fanling for toilet flushing and other non-potable uses**
- **It will promote the reuse of grey water and rainwater harvesting in both public and private developments**



New Water Resources

- **WSD has completed a pilot desalination plant study using reverse osmosis technology**
- **The study confirmed that osmosis desalination technology is viable for Hong Kong**
- **WSD will further develop the option of desalination**



Conclusion



Every drop counts



Be prudent when you use water



Share water conservation message to friends and family

"Let's Save 10L Water" Campaign



 English 繁體版 简体版 
www.wsd.gov.hk/save10litres



Let's Save 10L Water

2013/8 | Important Notices | Privacy Policy

WS-313TAL WS-313TAL WS-313TAL
WS-3.0 WS-3.0 WS-3.0
WS-3.0 WS-3.0 WS-3.0
Last revision date: 11 Oct 2013



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Water Supplies Department

"Let's Save 10L Water" Campaign

承諾宣言 Commitment Certificate



我, (參與者姓名), 承諾參與「齊來慳水十公升」運動
支持善用珍貴的水資源。

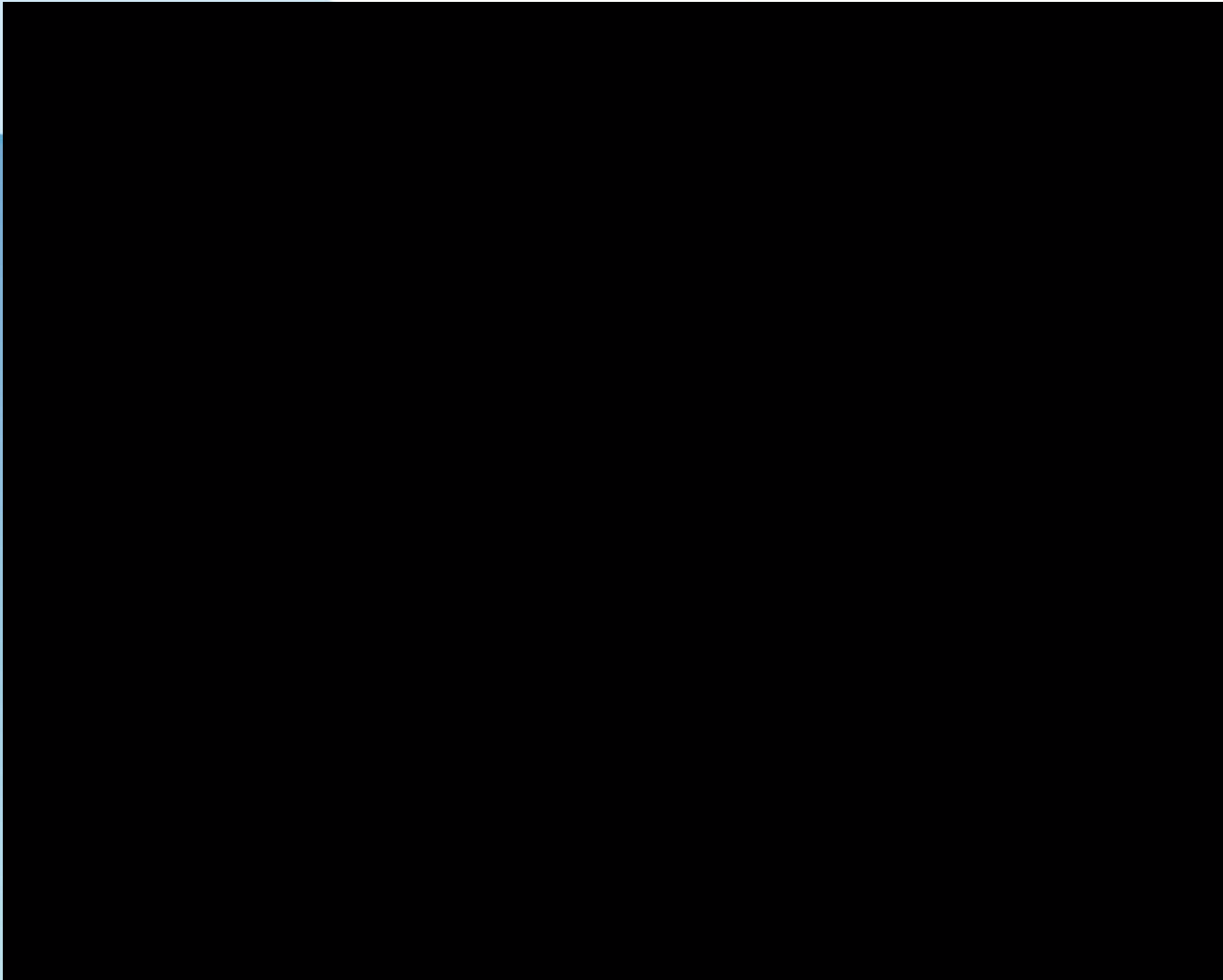
I, (participant's name), pledge to participate in
the 'Let's Save 10L Water' Campaign
in support of using precious water wisely.



每日慳水10公升 支持環保做精英
SAVE WATER Save the World-10 Litres Every Day



"Let's Save 10L Water" Campaign



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