渠務署
Drainage Services Department

Drainage Services Department **in Brief**

2020-21

CONTENTS

VISION

To provide world-class wastewater and stormwater drainage services enabling the sustainable development of Hong Kong

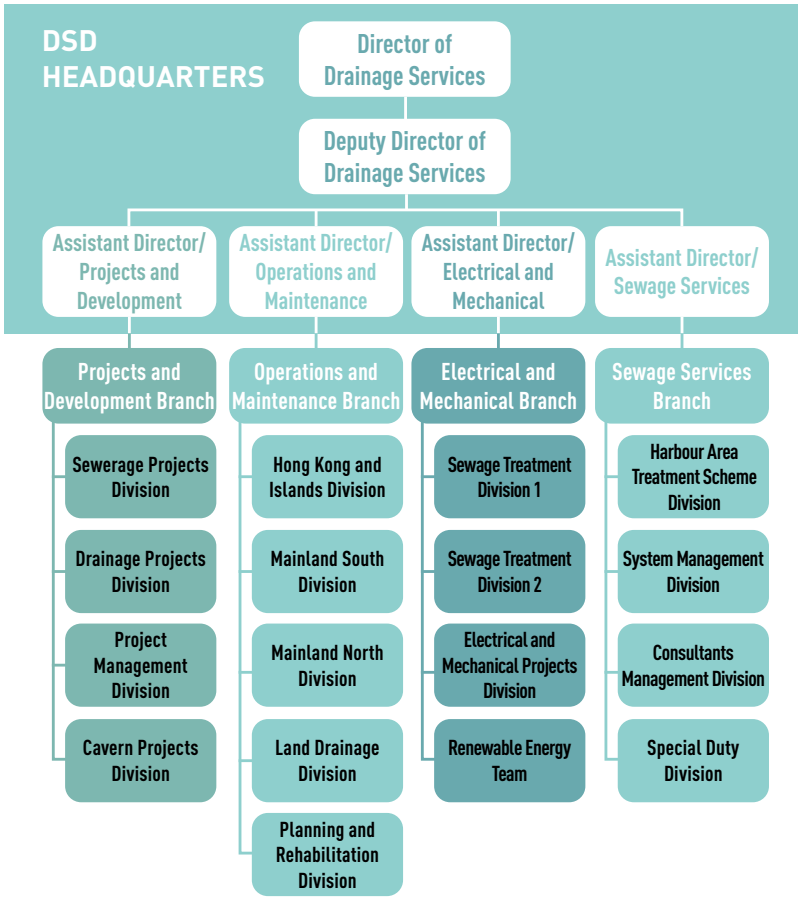
MISSION

- Improving drainage services in a cost-effective and environmentally responsible manner
- Enhancing a caring, harmonious, safe and healthy work environment that fosters staff development and a mindset for change
- Strengthening relationships with community, industry and worldwide counterparts

VALUES

- Customer Satisfaction
- Quality
- Commitment
- Teamwork

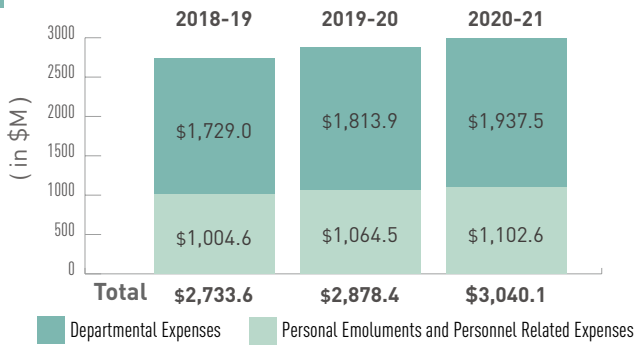
2.1 Organisation Chart



2.2 Staff Establishment

Directorate		**18**
Professional		**368**
Engineer	284	
Geotechnical Engineer	2	
Electrical & Mechanical Engineer	54	
Electronics Engineer	3	
Building Services Engineer	1	
Shift Charge Engineer	2	
Quantity Surveyor	1	
Land Surveyor	2	
Landscape Architect	3	
Environmental Protection Officer	3	
Forestry Officer	1	
Chemist	12	
Technical & Site Supervisory		**962**
General & Common Grades		**543**
Model Scale I		**159**
	Total	**2,050**

3.1 Recurrent Operating Expenditure



3.2 Sewage Services Operating Cost Recovery Rate

	2018-19	2019-20	2020-21[1]
Revenue of Sewage Charge and Trade Effluent Surcharge ($M)	1,564.1	1,349.9 [2]	990.9 [2]
Expenditure (excluding depreciation) of Sewage Charge and Trade Effluent Surcharge ($M)	2,465.5	2,580.4	2,670.0
Operating Cost Recovery Rate (%)	**63.4%**	**52.3%**[3]	**37.1%**[3]

Note:

1. The figures for 2020-21 are estimated figures and the actual figures will be finalised by Q4 2021
2. The figures represent the net amounts of revenue after deduction of concessions on the Sewage Charge and the Trade Effluent Surcharge
3. The figures have reflected concessions on the Sewage Charge and Trade Effluent Surcharge in 2019-20 and 2020-21. The Operating Cost Recovery Rates without calculation of the concessions in 2019-20 and 2020-21 are 58.9% and 58.4% respectively

3.3 Sewage Services Charges

The sewage services charges are composed of Sewage Charge and Trade Effluent Surcharge. There are currently 27 trades required to pay the Trade Effluent Surcharge. Since 1 April 2017, the unit rate of Sewage Charge per cubic metre of water supplied remains at $2.92.

Number of Accounts (in thousand, as at December 31 of each year)	2018	2019	2020
Sewage Charge Account	2,806	2,846	2,884
Trade Effluent Surcharge (TES) Account	29	30	31

3.4 Estimated Expenditure for Capital Works Projects

Projects in hand	Sewage Treatment		Flood Prevention		Total	
	No.	Cost ($B)	No.	Cost ($B)	No.	Cost ($B)
Cat. A [1]	35	57.5	9	4.6	44	62.1
Cat. B [2]	40	59.9	19	33.9	59	93.8
Total	**75**	**117.4**	**28**	**38.5**	**103**	**155.9**

Note:

1. Money-of-the-Day price
2. March 2021 price level

4.1 Sewage Treatment

Services for sewage treatment include operation and maintenance of sewage treatment facilities, upgrading the existing facilities and building new facilities.

Sewerage Master Plan Studies

The regional sewerage infrastructures are mainly proposed under the 16 Sewerage Master Plans (SMPs) and the subsequent 8 SMP Reviews.

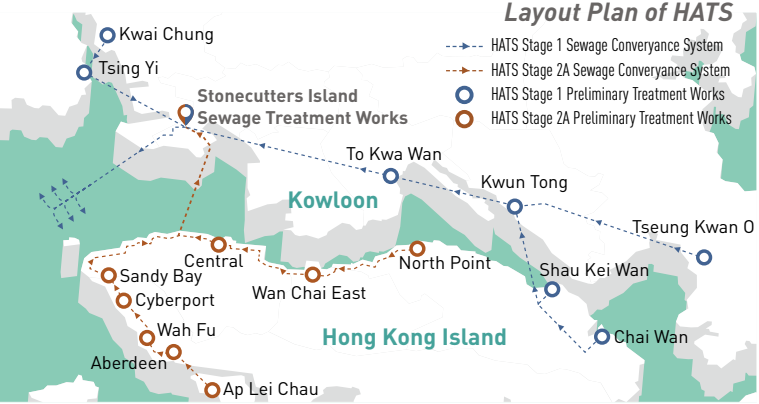
Improvement of Village Sewerage

As at March 2021, we have laid public sewerage for over 250 villages. At present, the works for around 55 villages are underway while the works for around 230 villages are under planning and design.

Mui Wo Sewage Treatment Works

Harbour Area Treatment Scheme

Harbour Area Treatment Scheme (HATS) is one of the most important infrastructure programmes undertaken by the Government to improve the water quality of Victoria Harbour, and thus enhancing the sustainable development of Hong Kong. HATS has led to the resumption of Cross-harbour Swimming Race in 2011 and re-opening of Tsuen Wan beaches.



Harbour Area Treatment Scheme Stage 1

Project Scope:

- Constructing Stonecutters Island Sewage Treatment Works (SCISTW) at a footprint of about 10 hectares and a design treatment capacity of 1.7 million m^3 per day
- Constructing about 23-km-long deep tunnel to convey the sewage from Kowloon and the north-eastern part of Hong Kong Island to SCISTW for chemically enhanced primary treatment (CEPT)
- Upgrading 7 Preliminary Treatment Works (PTWs) in Tsing Yi, Kwai Chung, To Kwa Wan, Kwun Tong, Tseung Kwan O, Shau Kei Wan and Chai Wan and constructing Northwest Kowloon Sewage Pumping Station

Commissioning Date: December 2001

Project Cost: About $8.2 B

Harbour Area Treatment Scheme Stage 2A

Project Scope:

- Enhancing the design treatment capacity of SCISTW to 2.45 million m^3 per day and constructing additional chemical disinfection facilities
- Constructing about 21-km-long deep tunnel to convey the sewage from the northern and south-western parts of Hong Kong Island to SCISTW for CEPT
- Upgrading 8 existing PTWs in North Point, Wan Chai East, Central, Sandy Bay, Cyberport, Wah Fu, Aberdeen and Ap Lei Chau

Commissioning Date: December 2015

Project Cost: $17.5 B

Harbour Area Treatment Scheme Stage 2B

HATS Stage 2B involves construction of biological sewage treatment facilities on Stonecutters Island for all HATS flow. It is kept under review taking into account the water quality situation and the latest technological development in biological treatment.


Stonecutters Island Sewage Treatment Works

The Completed San Wai Sewage Treatment Works

Upgrading of San Wai Sewage Treatment Works

Project Scope:

- Reconstructing the preliminary sewage treatment works to chemically enhanced primary treatment with UV disinfection to improve the effluent quality
- Increasing the treatment capacity from 164,000 m^3 to 200,000 m^3 per day
- Constructing ancillary facilities such as administration building, maintenance workshop, laboratories, deodourisation facilities, sludge treatment facilities, architectural and landscaping works

Commissioning Date: September 2020

Project Cost: About $3.1 B

Illustration of the Completed Kwun Tong Sewage Pumping Station

Enhancement Works for Kwun Tong Sewage Pumping Station

Project Scope:

- Constructing a new balancing facility with a capacity of 16,000 m^3 and its associated facilities
- Constructing a plant house with public landscaped deck at the roof
- Providing deodourisation facilities and ancillary works

Project Progress:
The works commenced in December 2017 and targeted to complete in 2022.

Project Cost: About $1 B

Illustration of the Completed Phase 1 Sha Tau Kok Sewage Treatment Works

Illustration of the Completed Shek Wu Hui Effluent Polishing Plant

Expansion of Sha Tau Kok Sewage Treatment Works, Phase 1

Project Scope:

- Reconstructing the existing secondary sewage treatment works at Sha Tau Kok to increase its capacity to 5,000 m^3 per day
- Constructing approximately 1.7 km of new submarine outfall with diameter 450 mm
- Replacement of existing sewage pumping station and rising mains by new gravity sewers

Project Progress:

The works commenced in November 2018 and targeted to complete in 2025.

Project Cost: About $2.04 B

Shek Wu Hui Effluent Polishing Plant

Project Scope:

- Reconstructing the existing Shek Wu Hui Sewage Treatment Works to increase the treatment capacity from 93,000 m^3 to 190,000 m^3 per day in phases
- Upgrading the sewage treatment level from existing secondary to tertiary in order to enhance the water quality in Ng Tung River
- Improving environmental performance of the existing plant, including odour control and landscaping works

Project Progress:

The Advance Works commenced in Q2 2015 and completed in Q4 2019. The Main Works are implemented in three phases with Phase 1 commenced in Q3 2019 for completion of the final phase by 2034.

Project Cost:

About $500 M (for Advance Works, Investigation and Design)
About $13.2 B (for Main Works)

Sha Tin Sewage Treatment Works and Future Cavern Sewage Treatment Works

Relocation of Sha Tin Sewage Treatment Works to Caverns

Project Scope:

Relocating the secondary sewage treatment works at Sha Tin to caverns inside Nui Po Shan with design sewage treatment capacity up to 340,000 m^3 per day. The existing site will then be vacated and developed for residential and other beneficial uses to meet the public's needs.

Project Progress:

Stage 1 Works including site preparation and access tunnel construction commenced in February 2019 for completion in 2022. Stage 2 Works including main caverns construction and upstream sewerage works commenced in mid-2021. The design for the remaining works, namely sewage treatment facilities installation and decommission and demolition of the existing Sha Tin Sewage Treatment Works, is in progress. The whole project is expected to be completed by 2031.

Project Cost of Stage 1 Works: About $2.08 B

Project Cost of Stage 2 Works: About $14.08 B

Illustration of the Completed Yuen Long Effluent Polishing Plant

Yuen Long Effluent Polishing Plant

Project Scope:

- Increasing the treatment capacity of existing Yuen Long Sewage Treatment Works from 70,000 m^3 to 150,000 m^3 per day
- Upgrading the sewage treatment level from existing secondary to tertiary in order to enhance the water quality in Shan Pui River and Deep Bay
- Improving environmental performance of the existing plant, including odour control and landscaping works

Project Progress:

The upgrading works will be implemented in 2 stages. The construction of Stage 1 Works commenced in November 2020 for completion in 2027.

Project Cost of Stage 1 Works: About $6.9 B

4.2 Flood Prevention

Stormwater drainage services include implementation of flood prevention works, operation and maintenance of stormwater drains and associated facilities.

Drainage Master Plan 2.0

Since 2008, DSD has commenced a series of DMP 2.0 Studies, which are summarised as follows:

COMPLETED IN 2011
- Yuen Long and North District
- Happy Valley

COMPLETED IN 2015
- West Kowloon
- East Kowloon

COMPLETED IN 2017
- Tai Po
- Sha Tin and Sai Kung

COMPLETED IN 2019
- Northern Hong Kong Island

COMPLETED IN 2020
- Repulse Bay and Tai Tam

IN PROGRESS, ANTICIPATED TO BE COMPLETED IN 2021
- Lantau and Outlying Islands
- Tuen Mun, Tsuen Wan and Kwai Tsing

IN PROGRESS, ANTICIPATED TO BE COMPLETED IN 2024
- Southern Hong Kong Island

UNDER PLANNING
- Tseung Kwan O

Elimination of Flooding Blackspots

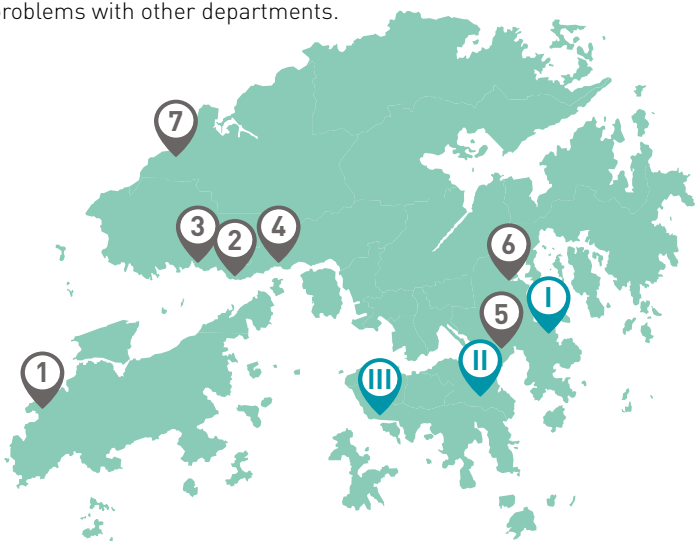
Since 1995, DSD has eliminated 127 flooding blackspots. There are currently 4 flooding blackspots in Hong Kong. The first-stage improvement works of these flooding blackspots have been completed. Further improvement works for Pok Fu Lam Village commenced in August 2020 while the next stage improvement works for the remaining blackspots are under planning and design.

Information of the 4 Flooding Blackspots

LOCATION	SITUATION
Pok Fu Lam Village, Southern	First-stage improvement works have been completed. Further improvement works commenced in August 2020
Lam Tsuen Valley Basin, Tai Po	First-stage improvement works have been completed. Works for the next stage are under planning and design
Shek Wu Wai, San Tin, Yuen Long	
Chatham Road South (Granville Road to Austin Avenue), Tsim Sha Tsui	

Storm Surge Spots and Overtopping Wave Spots

Based on passage of typhoons in the past, DSD has identified 7 Storm Surge Spots, which are vulnerable to seawater inundation due to rise of sea level caused by storm surge, and 3 Overtopping Wave Spots, which are vulnerable to flooding due to wave overtopping the seawall. DSD is formulating and progressively implementing measures to combat the problems with other departments.



STORM SURGE SPOTS

1. Tai O
2. Tuen Mun Luen On San Tsuen
3. Tuen Mun Kar Wo Lei
4. Sham Tseng San Tsuen
5. Lei Yue Mun
6. Sai Kung Nam Wai
7. Yuen Long North West Low-lying Coastal Area

OVERTOPPING WAVE SPOTS

I. Tseung Kwan O South
II. Heng Fa Chuen
III. South Horizons

Outfall of Lai Chi Kok Drainage Tunnel

Stormwater Drainage Works

Our stormwater drainage works are summarised as follows:

River Training Works[1]

COMPLETED
About 108 km
UNDER PLANNING / DESIGN / CONSTRUCTION
About 18 km

Drainage Improvement Works[1]

COMPLETED
About 94 km
UNDER PLANNING / DESIGN / CONSTRUCTION
About 41 km

Drainage Tunnel

COMPLETED
About 21 km
UNDER PLANNING / DESIGN / CONSTRUCTION
About 5 km

Stormwater Storage Scheme

COMPLETED
4
UNDER PLANNING / DESIGN / CONSTRUCTION
14

Total Project Cost

COMPLETED
About $29.6 B
UNDER PLANNING / DESIGN / CONSTRUCTION
About $38.5 B[2]

Note:

1. Relevant Village Flood Protection Schemes are included
2. The cost breakdown is listed on Page 7

Drainage Tunnels

	PROJECT COST	COMMISSIONING DATE	LENGTH	DIAMETER	OTHER FEATURES
KAI TAK TRANSFER SCHEME	About $380 M	2004	1.5 km	4.4 m	Transferring stormwater flow from the decked nullah at Waterloo Road to Kai Tak River
HONG KONG WEST DRAINAGE TUNNEL	About $3.38 B	2012	10.5 km	6.25 m to 7.25 m	• 34 intake structures • Outfall at Cyberport
LAI CHI KOK DRAINAGE TUNNEL	About $1.67 B	2012	3.7 km	4.9 m	• 6 intake structures • 1 stilling basin • Outfall at Stonecutters Island
TSUEN WAN DRAINAGE TUNNEL	About $1.49 B	2013	5.1 km	6.5 m	• 3 intake structures • Outfall at Yau Kom Tau

Stormwater Storage Schemes

	PROJECT COST	COMMISSIONING DATE	CAPACITY	DESIGN PUMPING CAPACITY	PLAN AREA	AVERAGE INTERNAL DEPTH	OTHER FEATURES
TAI HANG TUNG STORMWATER STORAGE SCHEME	About $290 M	2004	100,000 m^3	1.9 m^3/s	17,680 m^2	7.5 m	240 m long overflow weir in total
SHEUNG WAN STORMWATER STORAGE SCHEME	About $200 M	2009	9,380 m^3	6.0 m^3/s	1,580 m^2	5.9 m	2 nos. of bypass penstocks
HAPPY VALLEY UNDERGROUND STORMWATER STORAGE SCHEME	About $1.07 B	2017	60,000 m^3	1.5 m^3/s	24,000 m^2	3 m	15 nos. of 3 m long movable overflow weir
ON SAU ROAD STORMWATER STORAGE SCHEME	About $60 M	2018	18,000 m^3	By gravity	4,700 m^2	4.6 m	3 nos. of 5 m long overflow weir

Village Flood Protection Schemes

27 Village Flood Protection Schemes in operation

DISTRICT	VILLAGE
YUEN LONG	Kau Hui (Nam Pin Wai)
	Ma Tin Tsuen
	Shui Pin Wai
	Wang Chau Village
	Shui Pin Tsuen
	Tai Kiu
TIN SHUI WAI	Lo Uk Tsuen
	Sik Kong Tsuen
	Sik Kong Wai
	Kiu Tau Wai
	Ha Mei San Tsuen
	Sheung Cheung Wai
	Fung Shui Lane
KAM TIN	Sha Po Tsuen
NGAU TAM MEI	Pok Wai
	Chuk Yuen Tsuen and Ha San Wai
SAN TIN	Chau Tau
	Mai Po Lo Wai and Mai Po San Tsuen
	San Tin
SHEUNG SHUI	Sheung Shui Tsuen
	Tai Tau Leng and Tsung Pak Long
SHA TIN	Tsang Tai Uk
	Fo Tan
TAI PO	Shui Wai
TUEN MUN	Tsing Chung Koon
LANTAU ISLAND	Tai O Wing On Street
	Tai O Tai Ping Street

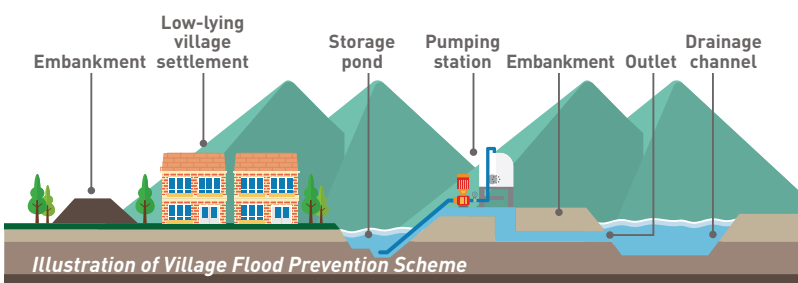


Illustration of Village Flood Prevention Scheme

West Kowloon Drainage Improvement – Inter-reservoirs Transfer Scheme

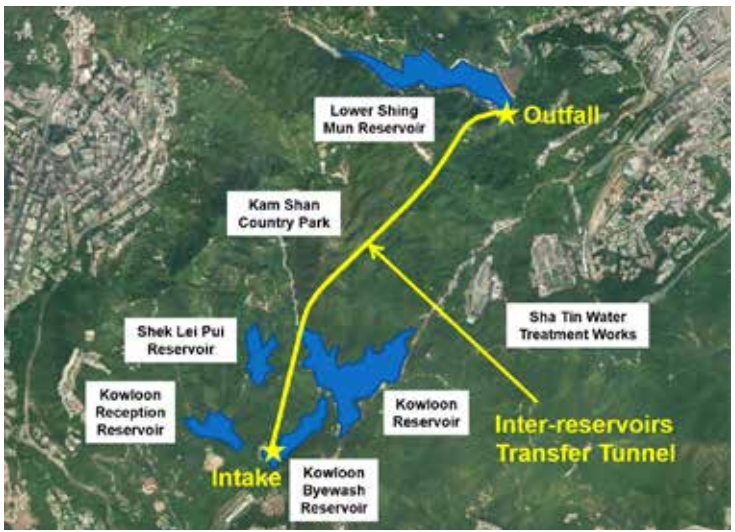
Project Scope:

Constructing a water tunnel of about 2.8 km in length and 3 m in diameter from Kowloon Byewash Reservoir to the Lower Shing Mun Reservoir with a view to achieving dual purposes in flood protection and water conservation.

Project Progress:

The works commenced in February 2019 for completion in 2022.

Project Cost: About $1.22 B



Inter-reservoirs Transfer Scheme

Revitalising Water Bodies

The way forward: Revitalising Water Bodies to Achieve Sustainable Development

- Promoting water-friendly culture and activities
- Creating green habitats
- Providing more urban open space
- Mitigating the urban heat island effect
- Coping with climate change
- Making reference to the concept of "Blue-green Infrastructure" – following the nature with flexibility

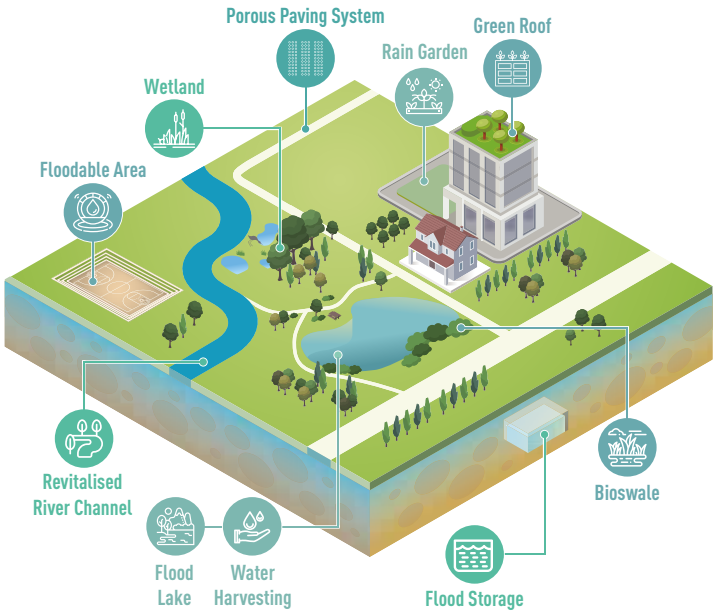


Illustration of the Concept of "Blue-green Infrastructure"

Revitalised Kai Tak River

Illustration of the Revitalised Tsui Ping River

Kai Tak River Improvement Works

	UPSTREAM SECTION	MIDSTREAM SECTION
PROJECT SCOPE	• Reconstructing and rehabilitating a section of Kai Tak River of about 600 m long from Po Kong Village Road to Tung Kwong Road • Constructing a box culvert of about 400 m long alongside the Kai Tak River from Wong Tai Sin Police Station to Tung Tai Lane • Completing landscaping works	• Reconstructing and rehabilitating a section of Kai Tak River of about 500 m long from Tung Kwong Road to Prince Edward Road East • Completing landscaping works
COMMENCEMENT DATE	2011	2013
COMPLETION DATE	2018	2017
PROJECT COST	About $1.6 B	About $1.2 B

Note: The construction and upgrading of the downstream section of Kai Tak River, undertaken by CEDD, commenced in 2013 and were completed in 2018 at a project cost of about $2.5 B

Revitalization of Tsui Ping River

Project Scope:

- Revitalising the existing 1 km long King Yip Street Nullah alongside King Yip Street, King Yip Lane and Tsui Ping Road
- Installing a smart water gate that can adjust itself with tides at the downstream near Hung To Road to regulate the water level
- Providing riverside water-friendly features such as engineered wetland, landscaped decks and a floating pontoon
- Beautifying the adjoining walkways, enhancing connectivity and walkability by means of provision of walkways and landscaped decks beside the river to create public leisure spaces centred on the river

Project Progress:

The works commenced in July 2020 for completion in 2024

Project Cost: About $1.34 B

4.3 Operations and Maintenance

Apart from conducting regular inspections and repairs of stormwater drains and sewers, DSD promptly cleans up the pipes as necessary to keep them clear. During the period of 2020-21, DSD cleared 860 km of stormwater drains and 780 km of sewers over the territory. Our Drainage Hotline received about 31,800 cases and followed up over 99% within 24 hours after receipt of the case. Over 99% of the public were satisfied with our services.

Whenever a flooding report is received, whether it involves public or private channels, DSD usually attends the scene as soon as possible for clearing the blockage and take appropriate flood relieving measures in order to reduce the impact of flooding on the public. During severe weather, DSD would activate an Emergency Control Centre to co-ordinate and respond to unexpected incidents.

Emergency Control Centre

4.4 Rehabilitation and Replacement of Stormwater Drains and Sewers

Rehabilitation of Underground Stormwater Drains and Sewers (Stage 1 & 2)

Project Scope:

- Conducting condition survey for about 168 km underground stormwater drains and 75 km underground sewers over the territory
- Rehabilitating about 22 km underground stormwater drains and 13 km underground sewers over the territory

Project Progress:

Stage 1 and 2 works commenced in January 2019 and September 2020 for completion in 2022 and 2025 respectively.

Project Cost:

About $515 M (for Stage 1 works)

About $821 M (for Stage 2 works)

Rehabilitation of Underground Stormwater Drains (Stage 3)

Rehabilitation Works Using UV-CIPP Lining Method

Project Scope:

Rehabilitating about 19 km underground stormwater drains in Central & Western, Wan Chai, Eastern, Southern, Islands, Tuen Mun, Yuen Long, North, Tai Po, Sha Tin, Kwun Tong and Sai Kung Districts

Project Progress:

Stage 3 works commenced in June 2021 for completion in 2025

Project Cost:

About $703 M

Rehabilitation of Trunk Sewers in Tuen Mun

Deploying Robotic Machine for Lining Installation Works in the Existing Box Culvert with Live Sewage Flow

Project Scope:

- Rehabilitation of sewage box culverts of about 4.2 km long along Tin Hau Road and Lung Mun Road
- Rehabilitation of sewers across Tuen Mun River Channel near Tin Hau Road and Tuen Yee Street
- Construction of sewers along Tin Hau Road and across Tuen Mun River Channel
- Other ancillary works in association with the above proposed works

Project Progress:

The works commenced in December 2018 for completion in 2023.

Project Cost: About $806 M

Rehabilitation of Trunk Sewers in Kowloon, Sha Tin and Sai Kung

Project Scope:

- Rehabilitating the existing trunk sewers (about 1.7 km long) in Ngau Chi Wan, To Kwa Wan, Sha Tin and Sai Kung to reduce the risk of sewage leakage and to enhance the reliability of the sewerage system
- Constructing a new submarine trunk sewer across Sai Kung Hoi linking Sai Kung Town and Tui Min Hoi and constructing duplicate trunk sewers along Yuen Wo Road near Sha Tin Sewage Pumping Station

Project Progress:

The works commenced in January 2018 for completion in 2022.

Project Cost: About $680 M

Renewable Energy Systems

	GENERATION CAPACITY (kW) [1]		
	2018-19	2019-20	2020-21
 Biogas Combined Heat and Power Generators, Micro-turbine Generators, Boilers and Dual Fuel Engines[2]	10,967	11,849	11,434
 Solar Systems	1,435	1,510	1,578
 Hydro-turbine Generator	23	23	23
TOTAL	12,425	13,382	13,035

Note:

1. The generation capacities of the boilers refer to their thermal generation capacities, while the generation capacities of other systems refer to their electricity generation capacities
2. In 2020-21, a dual fuel engine was demolished and would be replaced by a biogas combined heat and power generator in 2022-23

TOTAL GENERATED RENEWABLE ENERGY (in million kWh)	28.5	28.0	27.3

Through deepening the implementation of renewable energy projects, DSD aims to increase the department's renewable energy output by more than 77% by 2024-25 as compared to this year, which is over 48 million kWh annually.

Generation of Renewable Energy from Biogas

Background:

The biogas produced in the course of sewage sludge treatment is a renewable energy source. It is converted to electricity and heat by generators and boilers for in-house use in the sewage treatment works.

Environmental Benefit:

The renewable energy generated from biogas in 2020-21 was equivalent to 25.8 million kWh and the reduction of carbon dioxide emission exceeded 18,000 tonnes.

Solar Farm at Siu Ho Wan Sewage Treatment Works

Project Details:

The solar farm, comprising over 4,200 photovoltaic panels, has an installed generation capacity of 1,100 kW.

Environmental Benefits:

- Electricity generated by the solar farm, which is supplied to facilities inside the treatment works via the internal power distribution network, can be as much as 1.1 million kWh annually
- Annual reduction of carbon dioxide emission can reach about 770 tonnes

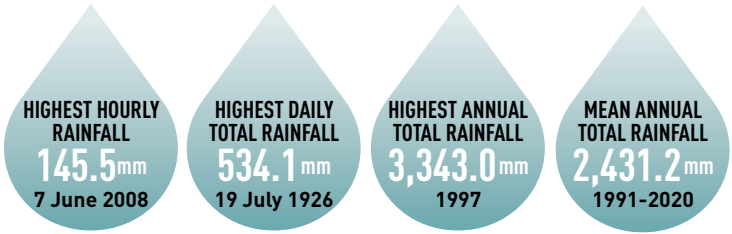
Commissioning Date: 2016

Project Cost: About $27 M

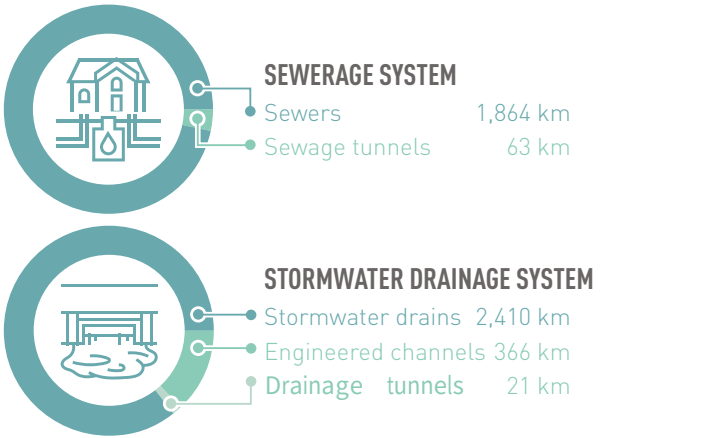
Solar Farm at Siu Ho Wan Sewage Treatment Works

Rainfall Record in Hong Kong

According to the Climatological Information Services in the website of Hong Kong Observatory:



Drainage System under DSD



Plants


Kowloon City Sewage Pumping Stations No.1

SEWAGE TREATMENT WORKS		**69**
Preliminary Treatment Works	17	
Primary Treatment Works	2	
Chemically Enhanced Primary Treatment (CEPT)	5	
Secondary Treatment Works	44	
Tertiary Treatment Works	1	
SEWAGE PUMPING STATIONS		**259**
STORMWATER PUMPING STATIONS		**36**
	TOTAL	364

Volume of Sewage Treated

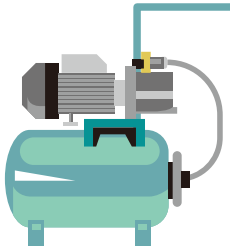
(in million m^3)

	2018-19	2019-20	2020-21
BY PRELIMINARY TREATMENT	75	50	22
BY PRIMARY TREATMENT	6	5	4
BY CHEMICALLY ENHANCED PRIMARY TREATMENT	751	784	821
BY SECONDARY TREATMENT	196	194	197
TOTAL	1,028	1,033	1,044

Note:

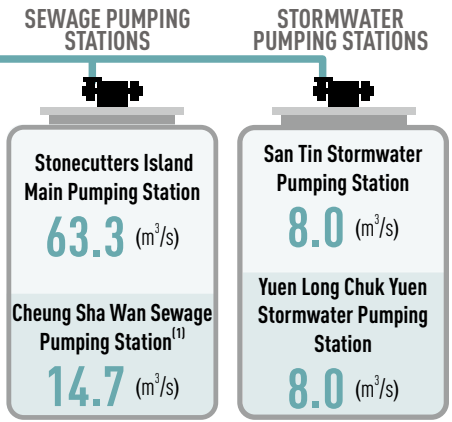
1. Sewerage in Hong Kong is currently serving over 93% of the population (based on the number of domestic water bill accounts with sewage charges levied)
2. The volume of sewage treated by tertiary treatment in 2020-21 is about 0.14 million m^3
3. Daily quantity of sewage sludge generated in 2020-21 is about 1,068 tonnes

Design Capacity of Major Pumping Stations



Note:

1. The sewage received by this pumping station is conveyed to North West Kowloon Preliminary Treatment Works



Design Treatment Capacity of Major Sewage Treatment Works

MAJOR SEWAGE TREATMENT WORKS	DESIGN TREATMENT CAPACITY (M^3/DAY)
Preliminary Treatment Works	
North West Kowloon Preliminary Treatment Works*	450,800
Kwun Tong Preliminary Treatment Works*	333,000
Primary Treatment Works	
Cheung Chau Sewage Treatment Works	4,000
Tai O Imhoff Tank	1,200
Chemically Enhanced Primary Treatment Works	
Stonecutters Island Sewage Treatment Works	2,450,000
Pillar Point Sewage Treatment Works	241,000
San Wai Sewage Treatment Works	200,000
Siu Ho Wan Sewage Treatment Works	180,000
Sham Tseng Sewage Treatment Works	16,800
Secondary Treatment Works	
Sha Tin Sewage Treatment Works	340,000
Tai Po Sewage Treatment Works	120,000
Shek Wu Hui Sewage Treatment Works	105,000
Yuen Long Sewage Treatment Works	35,000
Stanley Sewage Treatment Works	11,600
Sai Kung Sewage Treatment Works	8,000
Tertiary Treatment Works	
Ngong Ping Sewage Treatment Works	1,100

* The sewage treated by this preliminary treatment works is further conveyed to Stonecutters Island Sewage Treatment Works for chemically enhanced primary treatment

Visit to DSD Facilities

Since 2015, more than 141,000 people have visited DSD facilites. Schools or organisations are welcome to schedule visits to our sewage treatment facilities and flood prevention facilities through prior application. Please visit the following website for more information:

http://www.dsd.gov.hk/TC/Education/Visit_to_DSD_Facilities/index.html

Happy Valley Underground Stormwater Storage Scheme

DSD Outreach Educational Programme

We will visit schools and introduce our work through presentations, videos and Question-and-Answer session. The number of participants since 2015 is over 10,000. For details, please visit the following website:

https://www.dsd.gov.hk/EN/Education/DSD_Outreach_Educational_Programme/index.html

DSD Facilities Online Tour

Through 360-degree virtual tour and high-definition photo albums, the public can explore facilities of DSD anytime and anywhere. Just click the link below to explore the virtual experiences:

https://www.dsd.gov.hk/EN/Education/DSD_Facilities_Virtual_Tour/index.html

DRAINAGE HOTLINE (24 HOURS)
2300 1110

SEWAGE SERVICES CHARGES ENQUIRIES
2834 9432

GENERAL ENQUIRIES
2877 0660

E-MAIL
enquiry@dsd.gov.hk

WEBSITE
http://www.dsd.gov.hk

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Drainage Services Department

Drainage Services Department **in Brief** | 2020-21

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