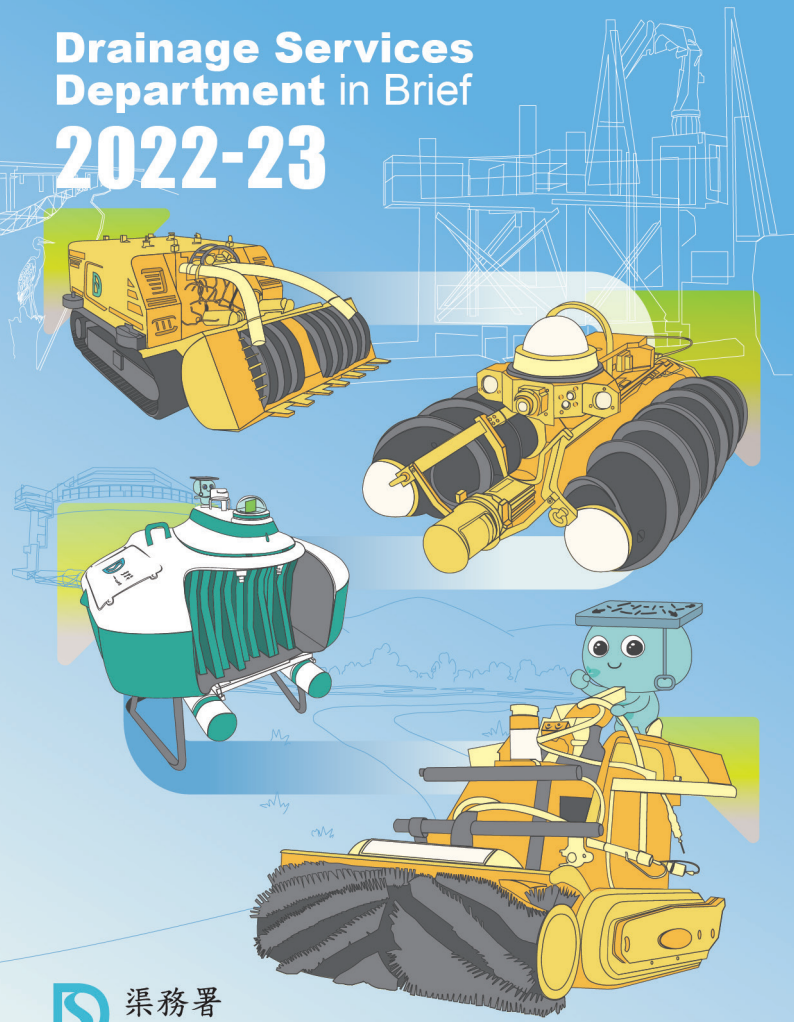
Drainage Services Department in Brief

2022-23



渠務署
Drainage Services Department

CONTENTS

1 Vision, Mission and Values

Vision

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

Mission

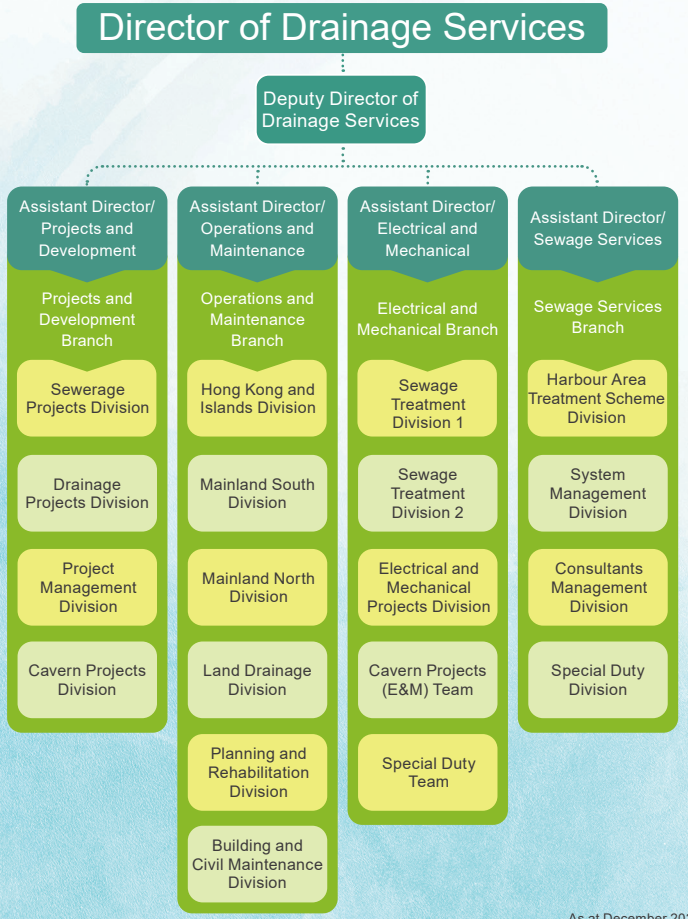
- Improving drainage services in a cost-effective and environmentally responsible manner
- Enhancing a caring, harmonious, safe and healthy work environment that fosters staff development and a mindset for change
- Strengthening relationships with community, industry and worldwide counterparts

Values

• Customer Satisfaction • Quality • Commitment • Teamwork

2 Organisation

2.1 Organisation Chart



2.2 Staff Establishment

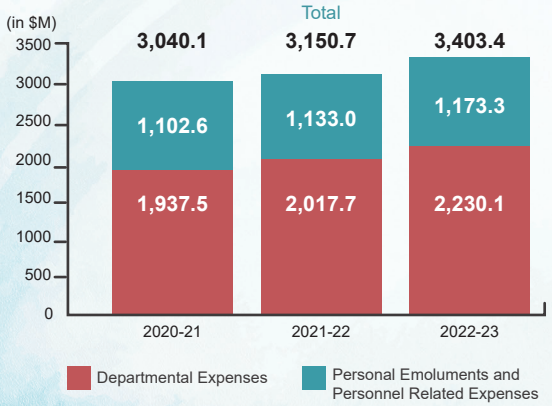
Directorate	19
Professional	372
• Engineer	285
• Geotechnical Engineer	2
• Electrical & Mechanical Engineer	56
• Electronics Engineer	3
• Building Services Engineer	1
• Architect	1
• Shift Charge Engineer	2
• Quantity Surveyor	1
• Land Surveyor	2
• Landscape Architect	3
• Environmental Protection Officer	3
• Forestry Officer	1
• Chemist	12
Technical & Site Surpervisory	978
General & Common Grades	542
Model Scale I	138

Total 2 049

As at December 2023

3 Financial Data

3.1 Recurrent Expenditure



3.2 Sewage Services Operating Cost Recovery Rate

	2020-21	2021-22	2022-23[1]
Revenue of Sewage Charge and Trade Effluent Surcharge ($M)	1,082.8 [2]	1,032.5[2]	1,051.2[2]
Expenditure (excluding depreciation) of Sewage Charge and Trade Effluent Surcharge ($M)	2,652.0	2,684.1	2,903.8
Operating Cost Recovery Rate (%)	40.8 [3]	38.5 [3]	36.2[3]

1. The figures for 2022-23 are provisional and subject to endorsement by the Sewage Services Accounts Committee
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 2020-21, 2021-22 and 2022-23. The Operating Cost Recovery Rates without calculation of the concessions in 2020-21, 2021-22 and 2022-23 are 59.5%, 58.4% and 55.3% 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)*	2020	2021	2022
Sewage Charge Account	2 884	2 916	2 959
Trade Effluent Surcharge (TES) Account	31	33	34

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)
Under Construction [1]	39	57.3	10	5.9	49	63.2
Under planning or design [2]	45	71.3	26	31.4	71	102.7
Total	84	128.6	36	37.3	120	165.9

1. Money-of-the-Day price
2. September 2022 price level

4 Work Overview

4.1 Sewage Treatment

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

Sha Tin Sewage Treatment Works

Sewerage Master Plan Studies

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

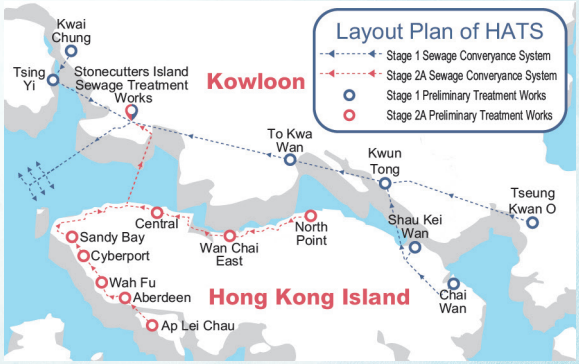
Improvement of Village Sewerage

As at March 2023, we have laid public sewerage for about 260 villages. At present, the works for more than 60 villages are underway while the works for about 240 villages are under planning and design.

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.

We will keep reviewing the performance of the HATS system and assessing the operational condition of different system components for enhancing the sustainable development of Hong Kong.



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 $8.2B

4 Work Overview

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: $17.5B

Harbour Area Treatment Scheme Stage 2B

HATS Stage 2B involves the 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

Enhancement Works for Kwun Tong Sewage Pumping Station

The landscaped deck built atop the roof of the Kwun Tong Sewage Pumping Station

Project Scope:

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

Project Progres:

- The works commenced in December 2017 and was substantially completed in December 2022

Project Cost: About $1B

4 Work Overview

Relocation of Sha Tin Sewage Treatment Works to Caverns

Sha Tin Sewage Treatment Works and Future Cavern Sewage Treatment Works

Project Scope:

- Relocating the secondary sewage treatment works at Sha Tin to caverns inside Nui Po Shan with design sewage treatment capacity 340 000m^3 per day. The existing site will then be vacated and developed for 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 and completed in April 2022. Stage 2 Works, including main caverns construction and upstream sewerage works, commenced in July 2021. We are preparing to commence Stage 3 Works comprising buildings construction and installation of cavern ventilation system. The design for the remaining works, including mainly installation of sewage treatment facilities inside caverns 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 $2.08B

Project Cost of Stage 2 Works: About $14.08B

Yuen Long Effluent Polishing Plant

Illustration of the Completed Yuen Long Effluent Polishing Plant

Project Scope:

- Increasing the treatment capacity of existing Yuen Long Sewage Treatment Works from 70 000m^3 to 150 000m^3 per day
- Upgrading the sewage treatment level from existing secondary to tertiary 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 $6.9B

4 Work Overview

Shek Wu Hui Effluent Polishing Plant

Illustration of the Completed
Shek Wu Hui Effluent Polishing Plant

Project Scope:

- Reconstructing the existing Shek Wu Hui Sewage Treatment Works to increase the treatment capacity from 105 000m^3 to 190 000m^3 per day in phases for Main Works
- Upgrading the sewage treatment level from existing secondary to tertiary 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 $500M (for Advance Works, Investigation and Design)
About $13.2B (for Main Works)

Expansion of Sha Tau Kok Sewage Treatment Works, Phase 1

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

Project Scope:

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

Project Progress:

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

Project Cost: About $2.04B

4 Work Overview

Upgrading of Cheung Chau Sewage Treatment and Disposal Facilities

Illustration of the Completed Cheung Chau Sewage Treatment Works

Project Scope:

- Upgrading of the existing Cheung Chau Sewage Treatment Works to increase its treatment capacity to 9 800m^3 per day and to upgrade its treatment standard to secondary level to improve the effluent quality
- Upgrading of the existing Pak She Sewage Pumping Station
- Ancillary works including deodourisation facilities, effluent reuse system, architectural and landscaping works

Project Progress:

- The works commenced in November 2020 and targeted to complete in 2026

Project Cost : About $2.61B

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 (DMP) 2.0

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

4 Work Overview

Elimination of Flooding Blackspots

Since 1995, DSD has eliminated 127 flooding blackspots. There are currently 4 flooding blackspots in Hong Kong.

Information of the Flooding Blackspots

Location	Situation
Pok Fu Lam Village, Southern	First-stage improvement works have been completed. Further improvement works commenced in August 2020.
Chatham Road South (Granville Road to Austin Avenue), Tsim Sha Tsui	First-stage improvement works have been completed. Further drainage works commenced in August 2022.
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	

Coastal Low-lying or Windy Residential Areas

In order to comprehensively review the impacts of storm surges and waves on coastal low-lying or windy locations under extreme weather and climate change, the Government completed the Study of Coastal Hazards under Climate Change and Extreme Weather and Formulation of Improvement Measures - Feasibility Study.

It identified 26 coastal low-lying or windy residential areas with higher risks for formulation of the necessary improvement works and management measures to safeguard public safety. These 26 areas have covered the 7 Storm Surge Spots and 3 Overtopping Wave Spots previously identified by DSD. DSD will continue to work closely with the relevant departments to implement the improvement works and management measures.

Location Plan of Storm Surge Spots and Overtopping Wave Spots

4 Work Overview

Stormwater Drainage Works

	Completed	Under planning/ design / construction
River Training Works[1]	About 108km	About 18km
Drainage Improvement Works[1]	About 94km	About 41km
Drainage Tunnel	About 21km	About 5km
Stormwater Storage Scheme	4	14
$ Total Project Cost	About $31.5B	About $37.2B

1. Relevant Village Flood Protection Schemes are included

Drainage Tunnels	Kai Tak Transfer Scheme	Hong Kong West Drainage Tunnel	Lai Chi Kok Drainage Tunnel	Tsuen Wan Drainage Tunnel
Project Cost	About $380M	About $3.38B	About $1.67B	About $1.49B
Commissioning Date	2004	2012	2012	2013
Length	1.5km	10.5km	3.7km	5.1km
Diameter	4.4m	6.25m to 7.25m	4.9m	6.5m
Other Features	Transferring stormwater flow from the decked nullah at Waterloo Road to Kai Tak River	•34 intake structures •Outfall at Cyberport	•6 intake structures •1 stilling basin •Outfall at Stonecutters Island	•3 intake structures •Outfall at Yau Kom Tau

Stormwater Storage Schemes	Tai Hang Tung Stormwater Storage Scheme	Sheung Wan Stormwater Storage Scheme	Happy Valley Underground Stormwater Storage Scheme	On Sau Road Stormwater Storage Scheme
Project Cost	About $290M	About $200M	About $1.07B	About $60M
Commissioning Date	2004	2009	2017	2018
Capacity	100 000m^3	9 380m^3	60 000m^3	18 000m^3
Design Pumping Capacity	1.9m^3/s	6.0m^3/s	1.5m^3/s	By gravity
Plan Area	17 680m^2	1 580m^2	24 000 m^2	4 700m^2
Average Internal Depth	7.5m	5.9m	3 m	4.6m
Other Features	240m long overflow weir in total	2 bypass penstocks	15 nos. of 3m long movable overflow weir	3 nos. of 5m long overflow weir

4 Work Overview

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

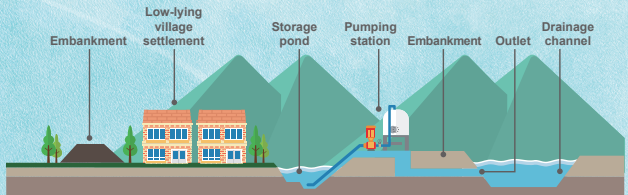
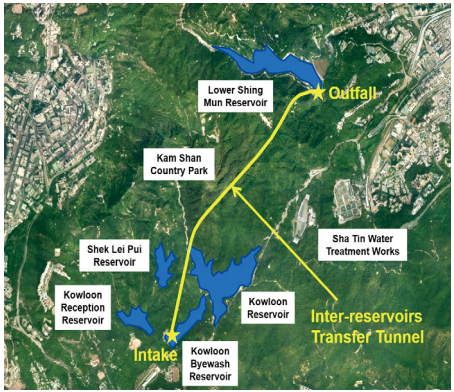


Illustration of Village Flood Prevention Scheme

West Kowloon Drainage Improvement – Inter-reservoirs Transfer Scheme



Kowloon Byewash Reservoir Intake

Water Tunnel

Lower Shing Mun Reservoir Outfall

Project Scope:

- Constructing a water tunnel of about 2.8km in length and 3m 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 and completed in October 2022

Project Cost: About $1.22B

4 Work Overview

Drainage Improvement Works in Tsim Sha Tsui

Illustration of in-situ reprovisioned garden after completion of the stormwater storage tank

Project Scope:

- Constructing an underground storage tank of 18 000m^3 and pumping station with 8m^3/s at Urban Council Centenary Garden (UCCG)
- Construction of approximate 1km of stormwater drains of diameters ranging from 600mm to 1 800mm at Chatham Road South, Kimberley Road, Observatory Road, Granville Road, Granville Square and Cameron Road
- Ancillary works including reinstatement of the UCCG and associated facilities

Project Progress:

- The works commenced in August 2022 for completion in 2027

Project Cost : About $953M

Drainage improvement works in Kwun Tong – phase 1

Sau Nga Road Stormwater Storage Scheme

Illustration of in-situ reprovisioned playground after completion of the stormwater storage tank

Project Scope:

- Constructing an underground stormwater storage tank of about 64 000m^3 in volume. During heavy rainfall, the rainwater upstream would be intercepted to the storage tank for temporary storage, and then be discharged downstream after the flood peak, thereby reducing the risk of flooding in the adjacent areas

Project Progress:

- The works commenced in September 2022 for completion in 2028

Project Cost: About $0.94B

4 Work Overview

Yuen Long Barrage and Nullah Improvement Schemes

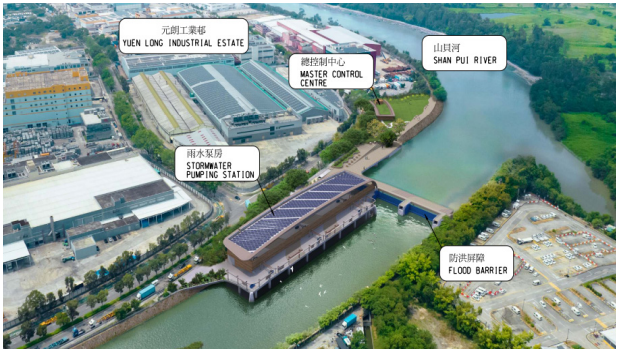


Illustration of the Barrage Scheme

Project Scope:

- Construction of an automatic flood barrier of about 60m long and 6m high, a stormwater pumping station, a master control centre and the associated electrical and mechanical facilities in the Yuen Long Nullah
- Constructing a dry weather flow (DWF) interception system, including a pumping station with designed capacity of about 18 000m^3 per day, box culverts with DWF interceptors of about 3.6km
- Revitalisation of a section of the Yuen Long Nullah of about 2km between the Shap Pat Heung Road and the location of the barrage

Project Progress:

- The works commenced in May 2023 for completion in 2030

Project Cost : About $3.78B (Yuen Long Barrage Scheme)
About $0.86B (Improvement of Yuen Long Town Nullah (town centre section))

Rivers in the City

The way forward: Promoting multiple river revitalisation projects so the public can enjoy river facilities and benefit from more desirable living environment

Kai Tak River after revitalisation

4 Work Overview

Jordan Valley Channel

Jordan Valley Channel after revitalisation

Project Scope:

By applying the concept of "Rivers in the City", the revitalisation works of Jordan Valley Nullah commenced in March 2020 and the scope of works comprises,

- landscaping works at the downstream section of the channel and its adjoining areas
- construction of a viewing platform above the channel
- greening at the upstream section of the channel with the provision of shoals and fish ladders

Variety of vines and aquatic plants are grown along the Jordan Valley Channel to help greening the surrounding environment. Simulating the natural stream environment with irregular patterns of water flow and improving the original embankments are beneficial to create different habitats for enhancing biodiversity. A "River Garden" is built right above the Jordan Valley Channel to provide the public a resting area for viewing the beautified channel so as to improve connectivity between the revitalised channel and its surroundings by engaging water-friendly experience.

A rare migratory bird, Von Schrenck's Bittern was found in the channel

Commissioning Date: April 2022

Project Cost: About $30M

Revitalization of Tsui Ping River

Night view of the Tsui Ping Seaside

Project Scope:

- Revitalising the existing 1km 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. The completion of Tsui Ping Seaside was advanced to mid 2023, while the remaining works are scheduled for completion in 2024

Project Cost : About $1.34B

4 Work Overview

4.3 Operations and Maintenance

Apart from conducting regular inspections and repairs of stormwater drains and sewers, the DSD promptly cleans up the pipes as necessary to keep them clear. During the period of 2022-23, the DSD cleared 225km of stormwater drains and 185km of sewers over the territory. Our Drainage Hotline received about 33 000 cases and followed up over 99% within 24 hours after receipt of the case. Over 99% of the public were satisfied with our services.

Emergency Control Centre

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

4.4 Rehabilitation and Replacement of Stormwater Drains and Sewers

Rehabilitation of Underground Stormwater Drains and Sewers

(Stage 1 & 2)

Project Scope:

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

Project Progress:

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

Project Cost : About $515M (for Stage 1 works)
About $821M (for Stage 2 works)

Rehabilitation of Underground Stormwater Drains

(Stage3)

Project Scope:

- Rehabilitating about 19km 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 $703M

Rehabilitation Works Using Spirally-wound Liner Method

4 Work Overview

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 4.2km 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

Project Progress:

- The works commenced in December 2018 and was substantially completed in March 2023

Project Cost: About $806M

5 Utilisation of Renewable Energy

Renewable Energy Systems

	Generation Capacity (kW) [1]		
	2020-21	2021-22	2022-23
Biogas Combined Heat and Power Generators, Micro-turbine Generators, Boilers and Dual Fuel Engines	11 434	11 404	11 404
Photovoltaic (PV) Systems	1 578	1 860	2 213
Hydro-turbine Generators	47	95	95
Total	13 059	13 359	13 712

1. The generating capacities of the boilers refer to their thermal generating capacities, while the generating capacities of other systems refer to their electricity generation capacities

	2020-21	2021-22	2022-23
Total Generated Renewable Energy	2 730	2 900	2 750

(in million units of electricity[2])

2. 1 unit of electricity equals to 1 kilowatt-hour

Through deepening the implementation of renewable energy projects, the DSD aims to increase the department's renewable energy output by about 65% on an annual basis by 2024-25 as compared to 2018-19, thus achieving around 46 million units of electricity annually.

5 Utilisation of Renewable Energy

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 2022-23 was equivalent to 25.7 million units of electricity and a reduction of around 18 000 tonnes of carbon dioxide emission was achieved

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 kilowatts

Environmental Benefit:

- 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 units of electricity annually
- Annual reduction of carbon dioxide emission can reach about 770 tonnes

Commissioning Date: 2016

Project Cost: About $27M

Solar Farm at Siu Ho Wan Sewage Treatment Works

6 Key Statistics and Data

Drainage System under DSD

Sewerage System	
Sewers	1 922km
Sewage tunnels	81km
Stormwater Drainage System	
Stormwater drains	2 414km
Engineered channels	371km
Drainage tunnels	21km
Total	4 809km

Plants		
Sewage Treatment Works		71
• Preliminary Treatment Works	17	
• Primary Treatment Works	2	
• Chemically Enhanced Primary Treatment (CEPT) Works	5	
• Secondary Treatment Work	46	
• Tertiary Treatment Works	1	
Sewage Pumping Stations		261
Stormwater Pumping Stations		36
Total		368

6 Key Statistics and Data

	Volume of Sewage Treated		
	2020-21	2021-22	2022-23
Preliminary Treatment	21.45	0.24	0.18
Primary Treatment	4.33	4.44	3.81
Chemically Enhanced Primary Treatment	821.00	833.91	819.65
Secondary Treatment	197.23	197.65	196.70
Tertiary Treatment	0.14	0.14	0.22
Total (in million m^3)	1 044.15	1 036.38	1 020.56

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. Daily quantity of sewage sludge generated in 2022-23 is about 1 079 tonnes

Design Capacity of Major Pumping Stations

Major Sewage / Stormwater Pumping Stations	Design Capacity (m^3/s)
Sewage Pumping Stations	
Stonecutters Island Main Pumping Station	63.3
Cheung Sha Wan Sewage Pumping Station*	14.7
Stormwater Pumping Stations	
San Tin Stormwater Pumping Station	8.0
Yuen Long Chuk Yuen Stormwater Pumping Station	8.0

* 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

7 Public Education

Visit to DSD Facilities

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:

DSD Outreach Educational Programme

We will visit schools and introduce our work through presentations, videos and Question-and-Answer session.

Please visit the following website for more information:

DSD Facilities Online Tour

Through 360-degree virtual tour and high-definition photo albums, the public can explore facilities of DSD anytime and anywhere.

Please visit the following website for more information:

DSD Facilities Self-Guided Tour

We provide special visiting routes of designated facilities to tourists and local residents to explore wonderful features of Hong Kong's flood control and sewage treatment.

Please visit the following website for more information:

Floating Photovoltaic System and Ecological Floating Island at San Tin Polder

8 Contact Us

Drainage Hotline (24 hours): 2300 1110

Sewage Services Charges Enquiries: 2834 9432

General Enquiries: 2877 0660

enquiry@dsd.gov.hk

Drainage Services Department in Brief 2022-23