

2023–2024 Drainage Services Department in brief

Resilient flood protection to a better future

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Vision, Mission and Values



Vision

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

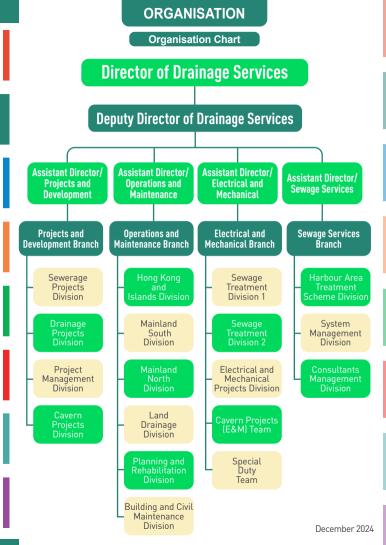
Mission

- 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

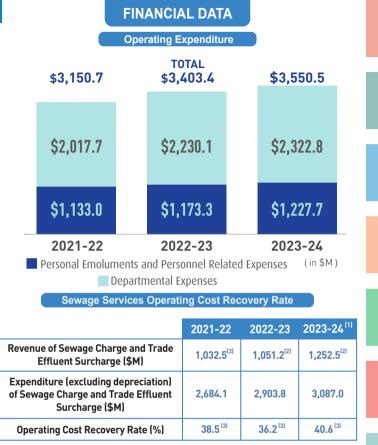


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Staff Establishment

Directorate		19
Professional		375
Engineer	288	
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 Supervisory		980
General & Common Grades		543
Model Scale I		135
	Tatal	0.050

Total 2 052



- 1. The 2023-24 figures 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 2021-22, 2022-23 and 2023-24. The Operating Cost Recovery Rates without calculation of the concessions in 2021-22, 2022-23 and 2023-24 are 58.4%, 55.3% and 50.3% respectively

FINANCIAL DATA

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)	2021	2022	2023
Sewage Charge Account	2 916	2 959	2 999
Trade Effluent Surcharge (TES) Account	33	34	35

Project Estimates for Capital Works Projects

Projects in hand	Sewag	Sewage Treatment		Flood Prevention		Total
Projects in nanu	No.	Cost (\$B)	No.	Cost (\$B)	No.	Cost (\$B)
Under Construction ⁽⁴⁾	34	56.4	9	9.4	43	65.8
Under planning or design (5)	47	70.6	22	26.1	69	96.7
Total	81	127.0	31	35.5	112	162.5

4. Money-of-the-day prices

5. September 2023 prices

WORK OVERVIEW

Sewage Treatment

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



Sha Tin Seweage 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 2024, we have laid public sewerage for about 280 villages. At present, the works for around 50 villages are underway.

Harbour Area Treatment Scheme

Harbour Area Treatment Scheme (HATS) is one of the most important infrastructure programme 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.

Layout Plan of HATS



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 a total of 7 existing 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



Stonecutters Island Sewage Treatment Works

Harbour Area Treatment Scheme Stage 2A

Project Scope:

- Enhancing the design treatment capacity of SCISTW to 2.45 million m³ per day and constructing additional chemical disinfection facilities
- Constructing about 21-km-long deep sewage tunnel to convey the sewage from the northern and south-western parts of Hong Kong Island to SCISTW for CEPT
- Upgrading a total of 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: About \$17.5B

Harbour Area Treatment Scheme Stage 2B

The project scope of 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.



The landscaped deck built atop the roof of 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 000m³ and its associated facilities
- · Constructing a plant house with a public landscaped deck at the roof
- Providing deodourisation facilities and ancillary works

Commissioning Date: August 2023 Project Cost: About \$1B



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 $340\ 000m^3$ 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. Stage 3 Works including ancillary buildings, cavern ventilation system and associated works commenced in August 2023. 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 Project Cost of Stage 3 Works: About \$3.12B



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 $000m^3$ 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



Illustration of the Completed Shek Wu Hui Effluent Polishing Plant

Shek Wu Hui Effluent Polishing Plant

Project Scope:

- Reconstructing the existing Shek Wu Hui Sewage Treatment Works to increase the treatment capacity from 105 000m³ to 190 000m³ 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 \$500M (for Advance Works, Investigation and Design)
- About \$13.2B (for Main Works)



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

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 000m³ per day
- Constructing approximately 1.7km of new submarine outfall with diameter 450mm
- 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 \$2.04B



Illustration of the Completed Cheung Chau Sewage Treatment Works

Upgrading of Cheung Chau Sewage Treatment and Disposal Facilities

Project Scope:

- Upgrading of the existing Cheung Chau Sewage Treatment Works to increase its treatment capacity to 9 800m³ 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, rainwater harvesting system, architectural and landscaping works

Project Progress:

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

Project Cost: About \$2.61B

WORK OVERVIEW

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



Rainfall Record in Hong Kong

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

Highest Hourly Rainfall	158.1mm	7 September 2023
Highest Daily Total Rainfall	534.1mm	19 July 1926
Highest Annual Total Rainfall	3,343.0mm	1997
Mean Annual Total Rainfall	2,431.2mm	1991-2020

Elimination of Flooding Blackspots

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

Pok Fu Lam Village, Southern	First-stage improvement works have been completed. Further improvement works commenced in August 2020 for completion in September 2024.
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 for completion in 2027.
Lam Tsuen Valley Basin, Tai Po	First-stage improvement works have been completed. Part of the further drainage works will commence in August 2024. Remaining works are under planning and design.
Shek Wu Wai, San Tin, Yuen Long	First-stage improvement works have been completed. Works for the next stage are under planning and design.

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 the Government. The DSD will continue to work closely with the relevant departments to implement the improvement works and management measures.



Location Plan of 26 Coastal Low-lying or Windy Residential Areas with Higher Risks





Happy Valley Underground Stormwater Storage Scheme

	Tai Hang Tung Stormwater Storage Scheme	Sheung Wan Stormwater Storage Scheme	Happy Valley Underground Stormwater Storage Scheme	On Sau Road Stormwater Storage Tank	Anderson Road Quarry Stormwater Storage Tank
Project Cost	About \$290M	About \$200M	About \$1.07B	About \$60M	About \$420M
Commissioning Date	2004	2009	2017	2018	2024
Capacity	100 000m ³	9 380m ³	60 000m ³	18 000m ³	60 000m ³
Design Pumping Capacity	1.9 m³/s	6.0 m³/s	1.5 m³/s	By Gravity	By Gravity
Plan Area	17 680m ²	1 580m²	24 000m ²	4 700m ²	10 800m ²
Average Internal Depth	7.5m	5.9m	3m	4.6m	11.3m
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	3 nos. of outlet pipe and 1 no. of overflow pipe

Drainage Tunnels



Lai Chi Kok Drainage Tunnel

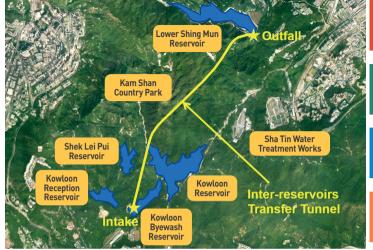
	Kai Tak Transfer Scheme	Hong Kong West Drainage Tunnel	Lai Chi Kok Drainage Tunnel	Tsuen Wan Drainage Tunnel
Project Cost	About \$380M	About \$3.38B	About \$1.67B	About \$1.49B
Commissioning Date	2004	2012	2012	2013
Length	1.5km	10.5km	3.7km	5.1km
	4.4m	6.25m to 7.25m	4.9m	6.5m
	Transferring stormwater flow	34 intake structures	6 intake structures	3 intake structures
Other	from the decked	Structures	1 stilling basin	50 4000 05
Features	nullah at Waterloo Road to Kai Tak River	Outfall at Cyberport	Outfall at coastal area near Stonecutters Island	Outfall at Yau Kom Tau

Village Flood Protection Schemes

27 Village Flood Protection Schemes in operation

District	Village		District	Village
Yuen Long	Kau Hui (Nam Pin Wai)		Kam Tin	Sha Po Tsuen
	Ma Tin Tsuen		Ngau Tam Mei	Pok Wai
	Shui Pin Wai			Chuk Yuen Tsuen and Ha San Wai
	Wang Chau Village		San Tin	Chau Tau
	Shui Pin Tsuen			Mai Po Lo Wai and Mai Po San Tsuen
	Tai Kiu			San Tin
Tin Shui Wai			Sheung Shui	Sheung Shui Tsuen
	Sik Kong Tsuen			Tai Tau Leng and Tsung Pak Long
	5		Sha Tin	Tsang Tai Uk
	Sik Kong Wai			Fo Tan
	Kiu Tau Wai		Tai Po	Shui Wai
	Ha Mei San Tsuen		Tuen Mun	Tsing Chung Koon
	Sheung Cheung Wai		Lantau Island	Tai 0 Wing 0n Street
	Fung Shui Lane			Tai O Tai Ping Street





Inter-reservoirs Transfer Scheme







Kowloon Byewash Reservoir Intake

Water Tunnel

Lower Shing Mun Reservoir Outfall

West Kowloon Drainage Improvement -Inter-reservoirs Transfer Scheme

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.

Commissioning Date: October 2022

Project Cost: About \$1.22B



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

Drainage Improvement Works in Tsim Sha Tsui

Project Scope:

- Constructing an underground storage tank of about 20 $300m^3$ in volume and pumping station with $8m^3/s$ at Urban Council Centenary Garden (UCCG)
- Construction of approximate 700m of stormwater drains of diameters ranging from 600mm to 1 800mm at Chatham Road South, 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 \$950M



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

Drainage Improvement Works in Kwun Tong – Phase 1 Sau Nga Road Stormwater Storage Scheme

Project Scope:

Constructing an underground stormwater storage tank of about 64 000 m^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 \$940M



Illustration of Sha Tau Kok Stormwater Pumping Station

Drainage Improvement Works at North District – Phase 1

Project Scope:

- Construction of an underground stormwater storage tank of approximately 10 $000 \rm{m}^3$ at Kong Ha and Sha Tau Kok Town
- Construction of stormwater drains and drainage channels with a total length of about 4km at Kong Ha, Sha Tau Kok Town, Shek Kiu Tau, Hang Tau, Kai Fong Garden and Kwu Tung Road
- Construction of flood walls with a total length of about 1.9km at Sha Tau Kok Town, Shek Kiu Tau, Kai Fong Garden and Tin Ping Shan Tsuen

Project Progress:

The works commenced in August 2023 for completion in 2028

Project Cost: About \$950M



Illustration of the Barrage Scheme

Yuen Long Barrage and Nullah Improvement Schemes

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 of a dry weather flow (DWF) interception system, including a pumping station with designed capacity of about 18 000m³ 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 proposed barrage

Project Progress:

The works commenced in May 2023 for completion in 2030

Project Cost:

- About \$3.78B (Yuen Long Barrage Scheme)
- About \$860M (Improvement of Yuen Long Town Nullah (town centre section))

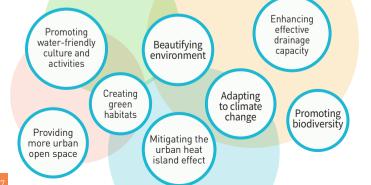
WORK OVERVIEW

River Revitalisation



Kai Tak River after revitalisation

Aim to promote river revitalisation projects so the public can enjoy river facilities and multiple benefits from liverable environment





Jordan Valley Channel after revitalisation

Jordan Valley Channel

Project Scope:

- Landscaping works at the downstream section of the Jordon Valley Channel and its adjoining areas
- Construction of a viewing platform above the channel to provide the public resting area for viewing the beautified channel so as to improving connectivity between the revitalised channel and its surroundings by engaging water-friendly experience
- Greening at the upstream section of the channel with the provision of shoals and fish ladders for enhancing biodiversity

Commissioning Date: April 2022 Project Cost: About \$30M



Tsui Ping Seaside

Revitalization of Tsui Ping River

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 commission of Tsui Ping Seaside was advanced to August 2023, while the remaining works are scheduled for completion in 2024.

WORK OVERVIEW

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 2023-24, the DSD cleared 173km of stormwater drains and 237km of sewers over the territory. Our Drainage Hotline received about 39 000 cases and followed up over 99% within 24 hours after receipt of the case. Over 99% of the public were satisfied with our services.

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 take 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.



Emergency Control Centre

Project Cost: About \$1.34B

WORK OVERVIEW

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

Project Cost:

- About \$520M (for Stage 1 works)
- About \$820M (for Stage 2 works)

Rehabilitation of Underground Stormwater Drains (Stage 3)

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 \$700M

Rehabilitation of Underground Sewers (Stage 4)

Project Scope:

Rehabilitating about 5km underground sewers 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 4 works commenced in September 2023 for completion in 2027

Project Cost: About \$300M



Rehabilitation Works Using

Spirally-wound Liner Method

UTILISATION OF RENEWABLE ENERGY

With a view to gradually reducing the reliance on fossil fuels, the DSD is committed to promoting the efficient use of renewable energy and the relevant technological research. Through deepening the implementation of renewable energy projects and energy saving measures, the DSD aims to continue enhancing the department's energy performance.

	Generation Capacity (kW) ⁽⁶⁾			
Renewable Energy Systems	2021-22	2022-23	2023-24	
Biogas Combined Heat and Power Generators, Micro-turbine Generators, Boilers and Dual Fuel Engines ⁽⁷⁾	11 404	11 404	10 682	
Photovoltaic (PV) Systems	1 860	2 213	2 827	
Hydro-turbine Generators	95	95	95	
TOTAL	13 359	13 712	13 604	

6. 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

7. In 2022-23, two old dual fuel engines were decommissioned

	2021-22	2022-23	2023-24
Total Generated Renewable Energy	29	27.5	22.3

8. 1 unit of electricity equals to 1 kilowatt-hour

(in million units of electricity⁸)

Generation of Renewable Energy from Biogas at Tai Po Sewage Treatment Works

Background:

The biogas produced in the course of sewage sludge treatment is a renewable energy source. It is converted to electricity and heat by biogas-fuelled combined heat and power (CHP) generators for in-house use in the sewage treatment works. For instance, there are three biogas-fuelled CHP generators at the Tai Po Sewage Treatment Works, with an installed generation capacity of approximately 630 kilowatts each.

Environmental Benefit:

- Renewable energy generated by the three CHP units, which is supplied to facilities inside the sewage treatment works, can be as much as 7.2 million units of electricity annually
- Annual reduction of carbon dioxide emission can reach about 5 040 tonnes



Solar Farm at Siu Ho Wan Sewage Treatment Works

Solar Farm at Siu Ho Wan Sewage Treatment Works

Background:

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 \$27 M

KEY STATISTICS AND DATA

Drainage System under DSD

Sewerage System

Sewers	1 925 km
Sewage tunnels	80.5 km

Stormwater Drainage System

Stormwater drains	2 415 km
Engineered channels	377 km
Drainage tunnels	21 km
Total	4 818.5 km

Plants

Fidilits		
Sewage Treatment Works		70
Preliminary Treatment Works	17	
Primary Treatment Works	2	
Chemically Enhanced Primary Treatment (CEPT) Works	5	
Secondary Treatment Works	45	
Tertiary Treatment Works	1	
Sewage Pumping Stations		269
Stormwater Pumping Stations		36
Total		375

Volume of Sewage Treated	2021-22	2022-23	2023-24
Preliminary Treatment	0.24	0.18	0.18
Primary Treatment	4.44	3.81	3.72
Chemically Enhanced Primary Treatment	833.91	819.65	831.65
Secondary Treatment	197.65 196.70		197.31
Tertiary Treatment	0.14	0.22	0.24
Total (in million m ³)	1 036.38	1 020.56	1 033.10

• 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) • Daily quantity of sewage sludge generated in 2023-24 is about 1 104.87 tonnes

Design Capacity of Major Pumping Stations

Major Sewage / Stormwater Pumping Stations	Design Capacity (m³/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 (m³/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

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 our 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 our 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 our website for more information:



DSD Facilities Online Tour

Through 360-degree virtual tour and highdefinition photo albums, the public can explore facilities of the DSD anytime and anywhere. Please visit our website for more information:

CONTACT US

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





2023-2024 Drainage Services Department in brief



Electronic Version