

**For information
on 22 December 2009**

**LEGISLATIVE COUNCIL
PANEL ON ENVIRONMENTAL AFFAIRS**

**Supplementary Information on
341DS – Harbour Area Treatment Scheme, stage 2A – upgrading
of Stonecutters Island sewage treatment works and preliminary treatment works**

Purpose

In considering the LC Paper CB(1) 628/09-10(12) on the above project on 15 December 2009, the Panel requested the Administration to provide supplementary information on the chronology and details of the works completed, underway and contemplated for the Harbour Area Treatment Scheme (HATS). This paper briefs Members on such chronology and details of works.

HATS Stage 1

2. The Harbour Area Treatment Scheme (HATS) involves the implementation of an integrated sewerage system for collecting and treating sewage generated around the Victoria Harbour in an efficient, effective and environmentally sustainable manner. The HATS has been subject to many studies and many rounds of consultation and discussions.

3. HATS Stage 1 construction commenced in early 1995 and was completed at the end of 2001. Sewage from Tsuen Wan, Kwai Tsing, Tseung Kwan O, the urban areas of Kowloon and northeastern Hong Kong is collected and treated at the Stonecutters Island Sewage Treatment Works (SCISTW). HATS Stage 1 now collects 1.4 million m³ of sewage every day, representing about 75% of the total sewage generated from the harbour catchment, via deep tunnels to the SCISTW for treatment before disposal. The SCISTW is one of the most efficient chemical treatment plants in the world, with high pollutant removal efficiencies. These include removal of 70% of the organic pollutants, 80% of suspended solids and 50% of sewage bacteria, *E.Coli*. This has resulted in significant improvement of the marine environment.

HATS Stage 2

4. Following the review by an International Review Panel in 2000, the Environmental and Engineering Feasibility Assessment Studies in 2004 and the public consultation from June to November 2004, the Government has adopted a two-phase implementation strategy, dividing HATS Stage 2 into Stage 2A and Stage 2B. (The list of papers previously submitted to the Legislative Council Panel on Environment Affairs is at **Annex 1** for reference.)

5. On 25 May 2001, the Finance Committee approved \$73.6 million for upgrading **5227DS** “Trials and studies in relation to the way forward for the Harbour Area Treatment Scheme” to Category A to carry out a series of trials and studies to evaluate and select a final configuration for the remaining stages of HATS based on the options recommended by the IRP. The trials and studies were completed in June 2004. They confirmed that the recommended options were environmentally acceptable and technically feasible. The HATS Stage 2 comprises –

- (a) Stage 2A – the provision of additional facilities, including the upgrading of existing preliminary treatment works (PTWs) in the harbour area catchment on the northern and south-western sides of Hong Kong Island, the construction of about 21 km of deep tunnels to convey sewage from the above PTWs to Stonecutters Island, and the upgrading of the existing SCISTW to provide chemical treatment and disinfection; and
- (b) Stage 2B – the provision of biological treatment facility at a site adjacent to the existing SCISTW.

6. In April 2005, we reported to the Legislative Council Panel on Environmental Affairs (the Panel) the results of an intensive 5-month public consultation exercise (from June to November 2004) on the way forward for HATS together with the proposed implementation programme. Subsequently, another two meetings of the Panel, with deputations invited, were held to discuss the findings of the studies relating to HATS stage 2 and the 2-phase approach for the second stage. We further consulted the Panel in July 2005 on the initial funding for the time-critical elements of stage 2A, including the design of the sewage conveyance system (SCS) and the environmental impact assessment (EIA), and secured the Panel’s support.

HATS Stage 2A

7. In April and July 2005, we included two items under block allocation **Subhead 4100DX** “Drainage works, studies and investigations for items in Category D of the Public Works Programme” at a total cost of \$14.0 million in MOD prices, for engaging consultants to undertake the site investigations, surveys and an EIA for the advance disinfection facilities at SCISTW, and carrying out advance site investigation works for collecting ground information, in particular under the sea, so as to facilitate early planning and design of the HATS stage 2A SCS and the full scale ground investigation. The Category D items were completed in 2007.

8. In December 2005, we upgraded **238DS** “Harbour Area Treatment Scheme stage 2A – environmental impact assessment, investigations, tunnel conveyance system design” to Category A at an estimated cost of \$166.5 million in MOD prices, for carrying out the EIA study, site investigations, and preliminary planning and design of the SCS for HATS stage 2A. The works under **238DS** commenced in January 2006 and were completed in November 2009.

9. From June 2006 to July 2008, we consulted the relevant committees of the Eastern District Council, Wan Chai District Council, Central and Western District Council, Southern District Council, Sham Shui Po District Council and Kwai Tsing District Council as well as Wah Fu and Pokfulam Area Committee regarding the HATS stage 2A SCS works. During the period, we also consulted the Subcommittee on Harbour Plan Review of the Harbourfront Enhancement Committee regarding the proposed layout design of SCS facilities at Fung Mat Road, Sai Ying Pun. Members supported the proposed works in all of these meetings. In addition, the Sham Shui Po District Council and its relevant Committee were also consulted in September 2007 and July 2008 on the provision of covers to the existing sedimentation tanks at SCISTW. Members supported the early provision of these covers to mitigate the existing odour nuisances.

10. In September 2006, we upgraded **341DS** to Category B for the construction works under the HATS stage 2A. In early 2007, Members of the Panel were also provided with progress updates on HATS stage 2 during the discussion on the proposal for applying the polluter-pays principle in the provision of sewage services. In July 2007, we upgraded **351DS** “Harbour Area Treatment Scheme, stage 2A – planning and design of the upgrading works of Stonecutters Island sewage treatment works and the preliminary treatment works” to Category A at an estimated cost of \$105.6 million in MOD prices, for the planning and design of the upgrading works of SCISTW and the PTWs of HATS stage 2A. The work under

351DS commenced in August 2007 for completion in August 2010.

11. On 31 August 2007, we gazetted the HATS stage 2A SCS works, including the effluent tunnel, under the Sewage Tunnels (Statutory Easements) Ordinance (Cap. 438) and did not receive any objection. The HATS stage 2A tunneling works were subsequently authorized on 7 November 2008.

12. In August and September 2007, we consulted the relevant committees of the Kwai Tsing District Council, the Tsuen Wan District Council, and the Sham Shui Po District Council on the proposed advance disinfection facilities at SCISTW. They all had no objection to the proposed works.

13. On 26 November 2007, we consulted the Panel on the proposed advance disinfection facilities at SCISTW. Members raised no objection to our plan to submit the funding proposal to the Public Works Subcommittee.

14. In January 2008, we upgraded **352DS** “Harbour Area Treatment Scheme, stage 2A – construction of advance disinfection facilities at Stonecutters Island sewage treatment works” to Category A at an estimated cost of \$109.9 million in MOD prices, for the construction of the advance disinfection facilities at SCISTW. In April 2008, an increase in the approved project estimate by \$9.8 million to \$119.7 million in MOD prices for **352DS** was approved for covering the increased cost for the construction of the advance disinfection facilities as a result of the high tender prices which were not foreseen at the time of preparing the estimate for the project. The works under **352DS** commenced in April 2008 and were substantially completed in December 2009.

15. In September 2008, we included an item under block allocation **Subhead 4100DX** “Drainage works, studies and investigations for items in Category D of the Public Works Programme” at an estimated cost of \$0.8 million in MOD prices, for engaging consultants to conduct the tendering exercise for the construction contracts under the project. The Category D item commenced in December 2008 and was completed in September 2009.

16. On 18 September 2008, we consulted the EIA Subcommittee of the Advisory Council on the Environment (ACE) on the Stage 2A EIA report. No comment was received and the EIA report was approved under the EIAO on 30 October 2008. The EIA report concluded that HATS stage 2A will significantly reduce the pollution loads being discharged into Victoria Harbour and improve the water quality of the harbour. The report further confirmed that with the implementation of the recommended mitigation measures, the

environmental impacts of the proposed works can be controlled to within the standards and guidelines under the EIAO and the Technical Memorandum on the EIA Process. We obtained the Environmental Permit for HATS stage 2A on 19 November 2008.

Upgrade part of **341DS** to Category A

17. On 15 December 2008, we consulted the Panel on the proposed SCS works and advance works at SCISTW under **341DS**. Members raised no objection to our submission of the funding proposal for the above works to the Public Works Subcommittee.

18. During the 1st quarter of 2009, we consulted the relevant committees under seven District Councils (DCs), namely Central and Western DC, Eastern DC, Kwai Tsing DC, Sham Shui Po DC, Wan Chai DC, Southern DC and Tsuen Wan DC regarding the proposed expansion and upgrading works at SCISTW and PTWs. We also consulted the Subcommittee on Harbour Plan Review of the Harbourfront Enhancement Committee regarding the proposed layout design of PTW upgrading works at Wanchai East and Central in March 2009. They all had no objection to the proposed works.

19. In June 2009, we upgraded part of **341DS** to Category A as **369DS** “Harbour Area Treatment Scheme, stage 2A – construction of the sewage conveyance system and advance works for upgrading of Stonecutters Island sewage treatment works” at an estimated cost of \$9,286.5 million in MOD prices, for the construction of sewage conveyance system and the advance preparation works for the expansion and upgrading of SCISTW as well as the provision of covers and deodourization facilities to the existing sedimentation tanks at SCISTW. The construction works commenced in July 2009 for completion in September 2014.

Upgrade the remaining part of **341DS** to Category A

20. We now propose to upgrade the remaining part of **341DS** to Category A at an estimated cost of \$7,930 million in money-of-the-day (MOD) prices for the expansion and upgrading of SCISTW to increase its treatment capacity and the upgrading of eight PTWs on Hong Kong Island under HATS stage 2A.

21. We need to commence construction of the proposed expansion and upgrading works at SCISTW and PTWs by mid 2010. The timely commencement will minimize any interfacing problems between the works of **341DS** and the construction of SCS and the advance preparation works under **369DS**, hence allowing HATS stage 2A to proceed more

smoothly and help achieve the target commissioning timeframe of end 2014.

22. For easy reference, the summary of the consultation activities undertaken for HATS Stage 2A since June 2004 is at **Annex 2**.

HATS Stage 2B

23. HATS Stage 2B will provide biological treatment to all harbour area sewage on an adjacent site to the SCISTW so as to secure long term protection of the harbour's water quality. The site identified for the biological treatment plant under Stage 2B is proposed to be co-used with other uses aboveground, with the treatment plant located mainly underground. On 25 September 2009, we submitted an application under the Town Planning Ordinance for amendments to an approved Stonecutters Island Outline Zoning Plan to facilitate land reserve for the development of a proposed underground biological treatment plant under Stage 2B. We are now in the process of going through the necessary rezoning process in order to secure the reservation of the land. The timing of the implementation of HATS Stage 2B will be decided based upon the results of a review of water quality trends as well as the population and sewage flow build-up to be conducted in 2010-11.

Conclusion

24. With the support of Legislative Council and the public, the Administration has taken forward all aspects of works related to HATS Stage 2 generally as planned. With Members' further support of our present proposal for upgrading the remaining and last part of the HATS Stage 2A, the Administration will be able to deliver HATS Stage 2A by the end of 2014 and bring early water quality improvement to Victoria Harbour. About 450,000 m³ of sewage from Hong Kong Island currently not handled by HATS Stage 1 will be collected and treated at the expanded SCISTW. The public will then be able to enjoy the many benefits associated with HATS Stage 2A and a cleaner and healthier Victoria Harbour.

Environmental Protection Department

Drainage Services Department

December 2009

Attachments

- Annex 1** List of papers relating to HATS previously submitted to the Legislative Council Panel on Environmental Affairs
- Annex 2** Consultation Activities for Harbour Area Treatment Scheme Stage 2A

List of papers relating to HATS previously submitted to the Legislative Council Panel on Environmental Affairs

Information papers provided by the Administration for the EA Panel meetings on 28 June and 7 July 2004

Way Forward for the HATS Stage 2

<http://www.legco.gov.hk/yr04-05/english/panels/ea/papers/ea1118cb1-2215-6-e.pdf>

Findings of Trials and Studies Relating to the HATS Stage 2

<http://www.legco.gov.hk/yr04-05/english/panels/ea/papers/ea1118cb1-2215-7-e.pdf>

Consultation document for the HATS Stage 2

<http://www.legco.gov.hk/yr03-04/chinese/panels/ea/papers/ea0628cb1-2215-8-ce.pdf>

Information papers provided by the Administration for the EA Panel meeting on 18 November 2004

<http://www.legco.gov.hk/yr04-05/english/panels/ea/papers/ea1118cb1-225-7-e.pdf>

Supplementary technical notes and Consultation document for the HATS Stage 2

<http://www.legco.gov.hk/yr04-05/chinese/panels/ea/papers/ea1118cb1-247-3-ce.pdf>

LegCo Brief provided by the Administration for the EA Panel meeting on 25 April 2005

<http://www.legco.gov.hk/yr04-05/english/panels/ea/papers/ea0425cb1-legcobrief-e.pdf>

Information papers provided by the Administration for the EA Panel meeting on 5 July 2005

<http://www.legco.gov.hk/yr04-05/english/panels/ea/papers/ea0705cb1-1851-9-e.pdf>

Information papers provided by the Administration for the EA Panel meeting on 22 January 2007

<http://www.legco.gov.hk/yr06-07/english/panels/ea/papers/ea0122cb1-742-10-e.pdf>

Follow-up paper provided by the Administration

<http://www.legco.gov.hk/yr06-07/english/panels/ea/papers/ea0122cb1-1199-e.pdf>

Information papers provided by the Administration for the EA Panel meetings on 26 November 2007

<http://www.legco.gov.hk/yr07-08/english/panels/ea/papers/ea1126cb1-283-7-e.pdf>

Follow-up paper provided by the Administration

<http://www.legco.gov.hk/yr07-08/english/panels/ea/papers/ea1126cb1-422-1-e.pdf>

Information papers provided by the Administration for the EA Panel meetings on 15 December 2008

<http://www.legco.gov.hk/yr08-09/english/panels/ea/papers/ea1215cb1-363-5-e.pdf>

Consultation Activities for Harbour Area Treatment Scheme Stage 2A

Consultation Activities during the 2004 Consultation

Date	Event
21 Jun. 2004	Announcement of Public Consultation
28 Jun. 2004	Meeting with the Environmental Affairs Panel of the Legislative Council (LegCo EA Panel)
7 Jul. 2004	Special meeting with the LegCo EA Panel
12 Jul. 2004	Meeting with the Advisory Council on the Environment (ACE)
13 Jul. 2004	Meeting with the Sham Shui Po District Council (DC)
15 Jul. 2004	Meeting with DC Chairmen and Vice-Chairmen
15 Jul. 2004	Meeting with the Central and Western DC
17 Jul. 2004	First in-depth technical briefing for green groups, academics and professional bodies
19 Jul. 2004	Second in-depth technical briefing for green groups, academics and professional bodies
20 Jul. 2004	Meeting with the Wan Chai DC
21 Jul. 2004	Meeting with DC Members
21 Jul. 2004	Kick-off Ceremony of the Public Education and Roving Exhibitions
22 Jul. 2004	Meeting with the Tsuen Wan Rural Area Committee
27 Jul. 2004	Meeting with the Tsuen Wan DC
29 Jul. 2004	Meeting with the Aquaculture Subcommittee of the Advisory Committee on Agriculture & Fisheries
24 Aug. 2004	Meeting with the Capture Fisheries Subcommittee of the Advisory Committee on Agriculture & Fisheries
31 Aug. 2004	Meeting with the Wong Tai Sin DC
6 Sep. 2004	ACE Meeting – Public Forum on HATS Stage 2
16 Sep. 2004	Meeting with the Environment and Hygiene Committee of the Eastern DC
17 Sep. 2004	Meeting with the Food, Environment, Hygiene and Works Committee of the Central & Western DC
18 Sep. 2004	Site visit to Stonecutters Island Sewage Treatment Works (SCISTW) by Eastern, Sham Shui Po, Islands and Tsuen Wan DC members
24 Sep. 2004	HATS seminars for the Environmental Protection Ambassador

	Scheme for Property Management
25 Sep. 2004	Site visit to SCISTW by members of the Wan Chai DC
27 Sep. 2004	Meeting with the Environment and Hygiene Committee of the Southern DC
28 Sep. 2004	Briefing to the British Chamber of Commerce
Jul. – Oct. 2004	Public Education and Roving Exhibitions: <i>Date Location Function</i>
21-22 Jul. 2004	Ocean Terminal Kick Off Ceremony and Exhibition
31 Jul. - 1 Aug. 2004	Olympian City II Large Scale Road Show
11-13 Aug. 2004	Ferry Pier at Central Exhibition
21-22 Aug. 2004	World Trade Centre Exhibition
4-5 Sep. 2004	Marina Square Exhibition
12 Sep. 2004	The Westwood Road Show
26 Sep. 2004	Cityplaza Road Show
29 Sep. 2004	Tsuen Wan Plaza Road Show
12-19 Oct. 2004	Central Library Exhibition
9 Oct. 2004	Open forum on HATS by the Hong Kong Institution of Engineers (HKIE) and the Chartered Institution of Water and Environmental Management, Hong Kong (CIWEM)
15 Oct. 2004	Site visit to SCISTW by members of the Southern DC
18 Oct. 2004	Meeting with the Canadian Chamber of Commerce
21 Oct. 2004	Meeting with the Conservancy Association
25 Oct. 2004	Meeting with the Federation of Hong Kong Industries
26 Oct. 2004	Meeting with the Society for Protection of the Harbour
26 Oct. 2004	Meeting with the Hong Kong Waste Management Association
27 Oct. 2004	HATS seminars for Environmental Protection Ambassador Scheme for Property Management
28 Oct. 2004	Meeting with the Business Environment Council
28 Oct. 2004	Meeting with the Citizen Envisioning Harbour
29 Oct. 2004	Meeting with the World Wide Fund for Nature Hong Kong
29 Oct. 2004	Meeting with the Hong Kong Tunnelling Society
1 Nov. 2004	Meeting with the Hong Kong Institute of Architects
2 Nov. 2004	Site visit to SCISTW by DC Chairmen and vice-chairmen
3 Nov. 2004	Meeting with the Hong Kong Institute of Environmental Impact Assessment
4 Nov. 2004	Meeting with the Harbour-front Enhancement Committee
6 Nov. 2004	Public hearing

8 Nov. 2004	Meeting with the ACE
9 Nov. 2004	Follow-up meeting for the Open forum on HATS for HKIE & CIWEM held on 9 Oct 2004
13 Nov. 2004	Site visit to SCISTW by Central & Western DC Members
18 Nov. 2004	Meeting with the LegCo EA Panel
16 Dec. 2004	Meeting with the Environmental Committee, Hong Kong General Chamber of Commerce

Consultation Activities for Advance Disinfection Facilities

Date	Event
1 Dec. 2005	Discussion forum with academics and professional institutions Hong Kong Institution of Engineers Hong Kong Institute of Environmental Impact Assessment Chartered Institution of Water and Environmental Management University of Hong Kong Hong Kong University of Science and Technology Hong Kong Institute of Vocational Education Marine Biological Association of Hong Kong
5 Dec. 2005	Meeting with Green Peace
5 Dec. 2005	Meeting with Hong Kong Marine Conservation Society
5 Dec. 2005	Meeting with Worldwide Fund for Nature Hong Kong
7 Dec. 2005	Meeting with Green Power
15 Dec. 2005	Meeting with Hong Kong Conservancy Association
2 Mar. 2006	Discussion forum with green groups, academics and professional institutions Green Power/ Open University of Hong Kong Worldwide Fund for Nature Hong Kong Hong Kong Institution of Engineers Hong Kong Institute of Environmental Impact Assessment Chartered Institution of Water and Environmental Management University of Hong Kong Hong Kong University of Science and Technology
11 May 2006	Meeting with Earthcare
25 Jul. 2006	Meeting with Hong Kong Marine Conservation Society
12 Oct. 2006	Discussion forum with green groups, academics and professional institutions

	<p>Hong Kong Institution of Engineers Hong Kong Institute of Environmental Impact Assessment Hong Kong Project Management Exchange Centre Limited Chartered Institution of Water and Environmental Management University of Hong Kong Hong Kong University of Science and Technology Hong Kong Conservancy Association Green Power World Wide Fund for Nature Hong Kong</p>
4 Nov. 2006	Meeting with Prof. Joseph Lee of the University of Hong Kong
30 Jan. 2007	Meeting with the Tsuen Wan DC by DDS
13 Feb. 2007	Meeting with the Sham Shui Po DC by DDS
16 Aug. –14 Sep 2007	Public Inspection period under the EIA Ordinance
21 Aug. 2007	Meeting with Planning and Environmental Hygiene Committee of the Kwai Tsing DC
22 Aug. 2007	<p>Discussion forum with green groups, academics and professional institutions Hong Kong Institution of Engineers Hong Kong Institute of Environmental Impact Assessment Hong Kong Project Management Exchange Centre Limited Chartered Institution of Water and Environmental Management University of Hong Kong Hong Kong University of Science and Technology Green Power World Wide Fund for Nature Hong Kong</p>
6 Sep. 2007	Meeting with Environment and Food Committee of the Sham Shui Po DC
6 Sep. 2007	Meeting with Environment and Health Affairs Committee of the Tsuen Wan DC
17 Sep. 2007	ACE's EIA Sub-committee Meeting for ADF EIA
28 Sep. 2007	Meeting with Sham Shui Po DC
15 Oct. 2007	ACE Meeting for ADF EIA
26 Nov. 2007	Meeting with LegCo EA Panel

Consultation Activities for Stage 2A main works

Date	Event
8 Jun. 2006	Meeting with Food, Environment, Hygiene & Works Committee of the Central and Western DC on sewage conveyance system (SCS) works
12 Jul. 2006	Meeting with the Subcommittee on Harbour Plan Review of the Harbour-front Enhancement Committee on SCS works
11 Dec. 2006	Meeting with Planning, Works and Housing Committee (PWHC) of the Southern DC on SCS works
14 Dec. 2006	Meeting with Works and Development Committee (WDC) of the Eastern DC on SCS works
19 Dec. 2006	Meeting with Planning and Environmental Hygiene Committee of the Kwai Tsing DC on SCS works
11 Jan. 2007	Meeting with Environment and Food Committee of the Sham Shui Po DC on SCS works
18 Jan. 2007	Meeting with Food, Environment, Hygiene & Works Committee of the Central & Western DC on SCS works
23 Jan. 2007	Meeting with Planning, Transport and Environmental Protection Committee of the Wan Chai DC on SCS works
27 Feb. 2007	Discussion forum with green groups, academics and professional institutions on Stage 2A EIA
22 Mar. 2007	Meeting with Wah Pok Area Committee of the Southern District on SCS works
16 Apr. 2007	Meeting with Planning, Works and Housing Committee of the Southern DC on SCS works
28 May 2007	Meeting with LegCo EA Panel on seeking funding for planning and design of plant upgrading works
6 Sep. 2007	Meeting with Environment and Food Committee of the Sham Shui Po DC on provision of covers to existing sedimentation tanks at SCISTW
28 Sep. 2007	Meeting with Sham Shui Po DC on provision of covers to existing sedimentation tanks at SCISTW
18 Jan. 2008	Discussion forum with green groups, academics and professional institutions on Stage 2A EIA
22 May 2008	Meeting with Environment and Hygiene Committee of the Sham Shui Po DC on SCS works
22 May 2008	Meeting with Food, Environment, Hygiene and Works Committee of the Central and Western DC on SCS works

27 May 2008	Meeting with Development, Planning and Transport Committee of the Wan Chai DC on SCS works
2 Jun. 2008	Meeting with District Development and Environment Committee of the Southern DC on SCS works
10 Jun. 2008	Meeting with Community Affairs Committee of the Kwai Tsing DC on SCS works
3 Jul. 2008	Meeting with Planning, Works and Housing Committee of the Eastern DC on SCS works
24 Jul. 2008	Meeting with Environment and Hygiene Committee of the Sham Shui Po DC on provision of covers to existing sedimentation tanks at SCISTW
28 Jul. 2008	Meeting with Subcommittee on Harbour Plan Review of the Harbour-front Enhancement Committee on SCS works
18 Sep. 2008	ACE's EIA Sub-committee Meeting for Stage 2A EIA
8 Oct. 2008	ACE Meeting on Stage 2A EIA
15 Jan. 2009	Meeting with Food, Environment, Hygiene and Works Committee of the Central and Western DC on construction of plant upgrading works
15 Jan. 2009	Meeting with Planning, Works and Housing Committee of the Eastern DC on construction of plant upgrading works
10 Feb. 2009	Meeting with Community Affairs Committee of the Kwai Tsing DC on construction of plant upgrading works
12 Feb. 2009	Meeting with Environment and Hygiene Committee of the Sham Shui Po DC on construction of plant upgrading works
17 Feb. 2009	Meeting with Development, Planning and Transport Committee of the Wan Chai DC on construction of plant upgrading works
23 Feb. 2009	Meeting with District Development and Environment Committee of the Southern DC on construction of plant upgrading works
5 Mar.2009	Meeting with Environmental and Health Affairs Committee of the Tsuen Wan DC on construction of plant upgrading works
18 Mar. 2009	Meeting with the Subcommittee on Harbour Plan Review of the Harbour-front Enhancement Committee on construction of plant upgrading works

Consultation with Legislative Council on Public Works Programme and Work Progress

Date	Major Event / Activity
7 Feb 2005	Inclusion of HATS Stage 2A in Category C of PWP
24 Feb 2005	Inclusion of PWP Item 4238DS “HATS Stage 2A – environmental impact assessment, investigations and tunnel conveyance system design” in Category B
12 Apr 2005	Inclusion of “HATS Stage 2A – advance disinfection facilities at SCISTW- site investigations and environmental impact assessment” in Category D
25 Apr 2005	Report to LegCo Panel on Environmental Affairs the results of the 5-month public consultation exercise on the way forward for HATS
5 Jul 2005	Consult LegCo Panel on Environmental Affairs on seeking funding for 4238DS
5 Jul 2005	Inclusion of “Advance Site Investigation Works for HATS Stage 2A Tunnel Conveyance System” in Category D
22 Jul 2005	Commencement of Consultancy Agreement No. CE 7/2005 (EP) for carrying out environmental impact assessment (EIA) study for advance disinfection facilities
2 Aug 2005	Commencement of site investigation works under Category D item “Advance Site Investigation Works for HATS Stage 2A Tunnel Conveyance System”
16 Dec 2005	Upgrading of 4238DS “Harbour Area Treatment Scheme, stage 2A – environmental impact assessment, investigations, tunnel conveyance system design” to Category A
19 Jan 2006	Commencement of Consultancy Agreement No. CE 34/2005 (DS) for design of HATS Stage 2A sewage conveyance system
Sep 2006	Upgrading of 4341DS to Category B
14 Nov 2006	Commencement of GI contracts for HATS Stage 2A Sewage Conveyance System
26 Feb 2007	Completion of Advance GI works by GEO
28 May 2007	Consult LegCo Panel on Environmental Affairs on seeking funding for 4351DS
6 Jul 2007	Upgrading of 4351DS “Harbour Area Treatment Scheme, stage 2A – planning and design of the upgrading works of Stonecutters Island sewage treatment works and the preliminary treatment works” to Category A
16 Aug 2007	Commencement of Consultancy Agreement No. CE 8/2006 (DS) for

Date	Major Event / Activity
	design of HATS Stage 2A plant upgrading works
31 Aug 2007	Gazettal of the HATS Stage 2A SCS under the Sewage Tunnels (Statutory Easements) Ordinance (Cap. 438)
8 Nov 2007	Approval of the EIA Report for advance disinfection facilities under EIA Ordinance
26 Nov 2007	Consult LegCo Panel on Environmental Affairs on seeking funding for 4352DS
11 Jan 2008	Upgrading of 4352DS “Harbour Area Treatment Scheme, stage 2A – construction of advance disinfection facilities at Stonecutters Island sewage treatment works” to Category A
29 Apr 2008	Commencement of the construction of advance disinfection facilities at Stonecutters Island sewage treatment works
1 Aug 2008	Gazettal under Foreshore and Seabed (Reclamations) Ordinance (Cap. 127) for reconstruction of seawall at North Point PTW
8 Aug 2008	Gazettal under Foreshore and Seabed (Reclamations) Ordinance (Cap. 127) for reconstruction of seawall at Aberdeen PTW
30 Sep 2008	Inclusion of “Harbour Area Treatment Scheme Stage 2A – Construction of Sewage Conveyance System Consultants’ Fees for Tendering Exercise” in Category D
30 Oct 2008	Approval of the EIA Report for HATS Stage 2A works under EIA Ordinance
7 Nov 2008	Authorization under Sewage Tunnels (Statutory Easements) Ordinance (Cap. 438) for HATS Stage 2A
11 Nov 2008	Authorization under Foreshore and Sea-bed (Reclamations) Ordinance (Cap.127) for the reconstruction of seawall at Aberdeen PTW
16 Nov 2008	Resolve objection under Foreshore and Sea-bed (Reclamations) Ordinance (Cap.127) for the Reconstruction of Seawall at North Point PTW
19 Nov 2008	Issuance of Environmental Permit for HATS Stage 2A works by EPD
15 Dec 2008	Meeting with LegCo Panel on Environmental Affairs for part upgrading of 341DS to Category A as 369DS
18 Feb 2009	Authorization under Foreshore and Sea-bed (Reclamations) Ordinance (Cap.127) for the reconstruction of seawall at North Point PTW
19 Jun 2009	Inclusion of PWP Item 369DS “HATS Stage 2A – construction of sewage conveyance system and advance works for upgrading of

Date	Major Event / Activity
	SCISTW” included in Category A.
Jul 2009	Commencement of Sewage Conveyance System construction
Sep 2009	Commencement of construction of the advance works for upgrading of SCISTW
Dec 2009	Meeting with LegCo EA Panel on seeking funding for construction of upgrading works at SCISTW and PTWs