

Report No. 13

Visit to Dongjiang Water Supply System (9 - 10 November 2011)



Advisory Committee on the Quality of Water Supplies

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SECTION A - INTRODUCTION

The annual visit to the Dongjiang-Shenzhen Water Supply System (東深供水系統) has been a major activity of the Advisory Committee on the Quality of Water Supplies (ACQWS) since 2000. On 9-10 November 2011, a delegation comprising six non-official members, three official members and five other HKSAR Government officials (see details at **Annex 1**) conducted a 2-day visit to the Dongjiang (東江) catchment area. Led by the Chairman, Prof. HO Kin Chung (何建宗教授) and the Vice Chairman, Mr. MA Lee Tak (馬利德先生), Director of Water Supplies, the delegation was accompanied by officials of the Department of Water Resources of Guangdong (GD) Province (廣東省水利廳) and executives of the Guangdong Yue Gang Water Supply Limited (廣東粵港供水有限公司) throughout the visit. The itinerary is appended at **Annex 2**.

2. Apart from providing members with an updated progress and development in protecting the quality of Dongjiang water made by the GD Authorities and enabling them to familiarise with the Dongjiang-Shenzhen Water Supply System, more importantly, the visit provided an opportunity for members to have a direct dialogue with the GD Authorities to reflect Hong Kong citizens' concerns on Dongjiang water quality.

SECTION B – THE VISIT

3. On arrival at Heyuan (河源) on the first day, the delegation immediately



travelled to their first destination at the southern side of the city, the Chengnan Domestic Sewage Treatment Plant (城南污水處理廠). The purpose of building the Sewage Treatment Plant is to treat the sewage arising from the rapid economic and

population growth in the Heyuan Municipality to the relevant standards before its discharge into Dongjiang. Since commencing operation in March 2008, it is capable of treating 55 000 tonnes of sewage a day for a population of about 400 000. After visiting different parts of the plant and having been explained in detail the plant operations, members of the delegation all noted that, with the good management of the plant, the discharges could comply with the required standards.

4. The delegation then went to the Xinfengjiang Reservoir(新豐江水庫)



which is also known as Wanlu Lake (萬綠湖). Rated at Grade I, the water quality of this Reservoir is the best amongst all water sources in the GD Province. Apart from serving as an impounding reservoir for storing raw water, its considerable capacity of about 14 billion cubic

metres can be used to regulate the flow in Dongjiang. During the drought in GD Province in 2009, the Department of Water Resources of GD Province successfully implemented the “Dongjiang Water Flow Regulation Plan” by a meticulous scientific

control of draw-offs from this Reservoir, as well as Fengshuba Reservoir and Baipenzhu Reservoir, for ensuring that the water supply to the cities along Dongjiang and Hong Kong would not be affected.

5. The delegates were invited to take a boat ride on the Reservoir. Given the Heyuan Municipal People's Government's great efforts in protecting the water source, delegates were all impressed by the fresh and clean condition of the water in the Reservoir.



6. Setting off in the morning on the second day, the delegation travelled to the



first installation at the 'upstream' of the Dongjiang-Shenzhen Water Supply System, the Taiyuan Pumping Station (太園泵站). The Pumping Station is situated on the southern bank of Dongjiang at Dongguan, at a location 350 m upstream of the junction of

Shima River and Dongjiang. The design capacity of the Pumping Station is 100 m³/s at a pump head of 11 m.

7. At the Taiyuan Pumping Station, the delegation was briefed about the Dongjiang-Shenzhen Water Supply System and the operation of the Pumping Station with the aid of a model. The delegation was also informed about the Shima River Sewage Diversion Works. The Diversion Works includes diverting the relatively polluted discharges from Shima River to Zhangcun Water Purification Plant (樟村水質淨化廠) before its discharge into the Pearl River so as to help addressing the

concern of backflow of contaminated water from Shima River to Taiyuan Pumping Station. With the completion of the Division Works, the quality of Dongjiang water has thus been further assured before abstraction for supply to Hong Kong.

8. Before ending the trip, the delegation visited the Dongjiang Water Supply Scheme Safety Monitoring and Control Centre (東江供水工程安全監控中心), which houses monitoring and control facilities installed by the Guangdong Authorities along the Dedicated Aqueduct and in Shenzhen Reservoir. The delegation was advised of the security measures adopted for the protection of the Dedicated Aqueduct and the Dongjiang water.



SECTION C – PRESS CONFERENCE

9. A press conference to conclude the visit was held in the Headquarters of the Water Supplies Department (WSD) by the delegation immediately upon its return to Hong Kong. The Chairman, Professor HO Kin Chung (何建宗教授) hosted the press conference with four members, namely, Dr CHEUNG Yun Hing, Richard (張潤興博士), Ms FONG Kwok Shan, Christine (方國珊女士), Ms SO Yee Ching, Phyllis (蘇綺青女士) and Ms WONG Wai Lan, Luciana (王惠蘭女士), sharing their observations on water quality of Dongjiang during the 2-day visit. They advised that



the water quality of Dongjiang was satisfactory and appealed to the Hong Kong public to conserve water. A short video summarizing the visit was also played in the press conference.

SECTION D – CONCLUSION

10. Members considered the visit very successful and fruitful to them. They could reflect the concerns of Hong Kong citizens on the quality of Dongjiang water to the GD Authorities direct. All the delegates were impressed by the continuous efforts made by the GD Authorities in abating pollution, protecting the watershed and ensuring the water quality of Dongjiang, especially at the upper reaches.

11. Members also appreciated very much the commitment and efforts of the GD Water Authority to sustain a reliable supply of Dongjiang water to Hong Kong despite the increasing demand for Dongjiang water arising from their economic growth in the past years in cities along the river.

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ANNEXURE

Annex 1	List of Participants
Annex 2	Itinerary

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List of Participants

姓名 Name		職銜 Title
水質事務諮詢委員會 ACQWS		
1	何建宗教授 Prof HO Kin Chung	主席 Chairman
2	馬利德先生 Mr MA Lee Tak	副主席 Vice-Chairman
3	陳尚仁先生 Mr CHAN Sheung Yan, Kenneth	委員 Member
4	王惠蘭女士 Ms WONG Wai Lan, Luciana	委員 Member
5	張潤興博士 Dr CHEUNG Yun Hing, Richard	委員 Member
6	蘇綺青女士 Ms SO Yee Ching, Phyllis	委員 Member
7	方國珊女士 Ms FONG Kwok Shan, Christine	委員 Member
8	陳派明先生 Mr CHAN Pai Ming, Jimmy	委員 Member
9	李根基先生 Mr LI Kan Kay	秘書 Secretary
其他 Others		
10	吳孟冬先生 Mr NG Mang Tung, Bobby	水務署助理署長 Assistant Director, Water Supplies Department
11	黃仲良先生 Mr WONG Chung Leung	水務署總工程師 Chief Engineer, Water Supplies Department
12	郭有定先生 Mr KWOK Yau Ting	水務署高級水務化驗師 Senior Chemist, Water Supplies Department
13	唐緻靈女士 Ms TONG Chi Ling, Annisa	水務署公共關係經理 Public Relation Manager, Water Supplies Department
14	阮小芹女士 Ms YUEN Siu Kan, Kay	政府新聞處攝影師 Photographer, Information Services Department

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Itinerary

Day 1 (Wednesday, 9.11.2011)

- 08:18 Depart at Hung Hom Terminal by Through Train
- 12:00 Arrive at Heyuan (河源市)
- 12:00 Lunch
- 13:30 Visit Chengnan Domestic Sewage Treatment Plant (城南污水處理廠) and Xinfengjiang Reservoir (新豐江水庫)
- 18:30 Dinner

Day 2 (Thursday, 10.11.2011)

- 08:00 Visit Taiyuan Pumping Station (太園泵站)
- 10:15 Visit Shenzhen Reservoir – Dongjiang Water Supply Scheme Safety Monitoring and Control Centre (深圳水庫 – 東江供水工程安全監控中心)
- 12:45 Lunch
- 14:00 Return to Hong Kong via Lo Wu
- 16:15 Convene a press conference at WSD Headquarters, Immigration Tower

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FIGURE



考察路線：圖一
Figure 1 : Route of Visit

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PHOTOS



Photo 1 – The delegation at Chengnan Domestic Sewage Treatment Plant



Photo 2 – The delegation at Chengnan Domestic Sewage Treatment Plant



Photo 3 – The delegation at Chengnan Domestic Sewage Treatment Plant



Photo 4 – The delegation at Xinfengjiang Reservoir



Photo 5 – The delegation at Xinfengjiang Reservoir



Photo 6 – The delegation at Xinfengjiang Reservoir



Photo 7 – The delegation at Taiyuan Pumping Station



Photo 8 – Briefing session at Taiyuan Pumping Station



Photo 9 – Director of Water Supplies and the Chairman of ACQWS
(from right to left) at Taiyuan Pumping Station



Photo 10 – The delegation at Dongjiang Water Supply
Scheme Safety Monitoring and Control Centre



Photo 11 – The delegation at Dongjiang Water Supply Scheme Safety Monitoring and Control Centre



Photo 12 – The press conference



Photo 13 – The press conference

