



INTERNATIONAL WATERS RESULTS NOTES

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China: Guangdong Pearl River Delta Urban Environment Project

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Mission members examine sewage effluent quality at one plant outlet as it is about to enter natural media.

1. One of the inter-municipal environmental infrastructure pilots (Nangang WWTP - 75,000 m³/day) has been completed and put into operation since March 2011 to serve for two districts in Guangzhou
2. Guangdong Environmental Protection Bureau (GDEPB) has setup advanced data collection facilities/systems to monitor all the key pollution dischargers in Guangdong Province and published the processed monitoring result at their public website (in the format of water quality rating)
3. A bidding document is under preparation for procurement of services of an operator for the Hazardous Waste Management (HWM) facilities in Guangzhou.

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PROJECT OBJECTIVE

To assist in addressing the environmental problems of the Pearl River Delta in Guangdong Province and the South China Sea, through the improvement and rationalization of environmental service delivery based on a regional planning approach.

RESULTS: PROCESS

Reduce pollution loading to the Pearl River Delta and South China Sea through increased inter and intra-municipal environmental services delivery. All municipalities signed onto the PRD Clean Up Campaign, some were progressing faster than others and some had plans significantly out of pace with the overall Provincial Plan (Clean Up Campaign/Revised PRD Environmental Plan)

INDICATOR#1: Reduce pollution loading to the Pearl River Delta and South China Sea through increased private sector participation in environmental services delivery.

Three districts in two municipalities signed off the institutional framework to implement the inter-municipal cooperation on shared environmental infrastructure

INDICATOR#2: Larger volume of least cost municipal wastewater and waste management investments constructed and operated through increased private sector involvement.

The regulatory framework and procurement of a contractor to operate the Hazardous Waste Management (HWM) Facility is under preparation by the consultant, which will be completed and put into operation by end of 2011.

RESULTS: STRESS REDUCTION

Regional agencies collecting and sharing relevant water quality data. GDEPB has setup advanced data collection facilities/systems to monitoring all the key pollution dischargers within the Pearl River delta inside the Guangdong Province, and published the processed monitoring results at their public website (in the format of water quality rating). The extent of sharing data still needs to be appreciated, as well as the impact of the investments just completed on the reduction of pollution on the water bodies.

INDICATOR#1: Increased volume of wastewater treated (60,000,000 m³) and solid waste disposed (5,000,000 tonnes).

Three WWTPs (Liede III – 200,000 m³/day, Dashadi – 200,000 m³/day and Nangang 75,000 m³/day) have been completed and operated at 400,000 m³/day or 146 million m³ per year. A HWM landfill of total capacity of 1.5 million m³ in Guangzhou is under implementation to be completed by end of 2011.

INDICATOR#2: At least one additional facility funded or operated in part with private sector partner

A bidding document is under preparation for procurement of services of an operator for the HWM facilities (landfill) in Guangzhou.

RESULTS: WATER RESOURCE AND ENVIRONMENTAL STATUS

Catalyzing regional, e.g. Hong Kong and Macau SAR, pollution reduction measures.

Guangdong-Hong Kong Collaboration agreement are enacted to support for a regional environmental network for air quality, the decision from the central government on collaboration on water quality is yet to take place [Guangdong, Hong Kong and Macau Governments are jointly undertaken/ completed a study on the "Action Plan for the Bay Area of the Pearl River Estuary", which highlighted for action on the cooperation in cross-boundary environmental protection, including ——Enhance the management of water resources and protection of aquatic environment——Undertake joint management of the regional atmospheric environment]

INDICATOR#1: Two or more contiguous municipalities/cities using shared facilities.

Only one of three pilots have been put into operation since March 2011, and the remaining two pilot will be put into operation by end of 2011.

INDICATOR#2 (as in your results framework) [Please indicate the target in brackets]

Describe in one sentence the results in this area. Please quantify the results whenever possible.