



INTERNATIONAL WATERS RESULTS NOTES

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China: GEF Hai Basin Integrated Water and Environment Management Project

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One of the qualitative indicators achieved: Dada Sharing Agreement was signed on October 17, 2009 in Beijing, China between Ministry of Water Resources (MWR) and Ministry of Environment Protection (MEP) for Integrated Water and Environment Management in Hai Basin of China

1. Reduction in pollution loading to the Bohai Sea from 16 pilot counties - Original Target Value (PAD): COD 16,400 tons/year; and NH₃-N 1,900 tons/year; and the actual values achieved: COD 38,615 tons/year and NH₃-N 4,665 tons/year;
2. Reduction in groundwater overdraft for irrigation purposes in 16 pilot counties – Original Target Value (PAD): 42 million cubic meters /year; and the actual values achieved: 266 million cubic meters
3. Disposal of polluted sediment from Dagu discharge canal in Tianjin – Original Target Value (PAD): 2.2 million cubic meters; and the actual value achieved: 6.3 million cubic meters

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PROJECT OBJECTIVE

Overall Objective: to catalyze an integrated approach to water resource management and pollution control in the Hai Basin in order to improve the Bohai Sea environment, specifically, the Project will (a) improve integrated water and environment planning and management in the Hai Basin; (b) support institutional aspects related to effective local, municipal/provincial, and basin-wide water and environment planning and management; (c) enhance capacity building in water and environment knowledge management and implementation, and (d) reduce wastewater discharges from small cities along the rim of the Bohai Sea.

RESULTS: PROCESS

INDICATOR No. 1 – Original Target (PAD): Inter-agency committees established.

Actually achieved: A functioning inter-agency committee has been established at the county level (16 demonstration counties), resulting in improved cooperation and integration of WRM and pollution control activities with support from upper levels (prefectures, provinces, Hai Basin Commission, ZWN Sub-basin, MWR and MEP)

INDICATOR No. 2 – Original Target (PAD): Improved institutional coordinating mechanisms for Integrated Water and Environment Management.

Actually achieved: Institutional coordination mechanisms (including signing of data sharing agreement – see cover picture) was established and functional by 12/31/2004 at all administrative levels (county, prefecture, provinces, Hai Basin Commission, ZWN Sub-basin, MWR and MEP) and updated annually for integrated water and environment management in Hai Basin.

RESULTS: STRESS REDUCTION

INDICATOR No. 1 - Reduction in pollution loading to the Bohai Sea from 16 pilot counties:

Original Target Value (PAD): COD 16,400 tons/year; and NH₃-N 1,900 tons/year;

Actual values achieved: COD 38,615 tons /year and NH₃-N 4,665 tons/year;

INDICATOR No. 2 - Reduction in groundwater overdraft for irrigation purposes in 16 pilot counties:

Original Target Value (PAD): 42 million cubic meters /year;

Actual values achieved: 266 million cubic meters;

RESULTS: WATER RESOURCE AND ENVIRONMENTAL STATUS

INDICATOR No. 1 – Original Target (PAD): Integrated Water and Environment Management Plans (IWEMPs) prepared and initial implementation started by 03/31/2007:

Actually Achieved: IWEMPs were completed and acceptance review passed by the related levels of government in 2010; Implementation of core parts of the IWEMPs (consumption control) had commenced by due dates. Additional IWEMPs were developed (16 in total). .

INDICATOR No. 2 – Original Target (PAD): ET (Evapotranspiration) Management System established and functioning to monitor and evaluate implementation of IWEMPs.

Actually achieved: It was completed in 2009 The management and visualisation system as included in the KM is well developed and can used for monitoring and evaluating the effectiveness of the IWEMP implementation, though the ET measurement technology is still under improvements, verification and so that greater precision is possible.

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