

The program 'Wastewater and Solid Waste Management in Provincial Centers' contributes to improved environmental conditions in, at present, six provincial cities through the development of comprehensive wastewater and drainage management, comprising the enhancement of existing wastewater and storm water collection systems and the construction of pumping stations and new wastewater treatment facilities.

The lead agency for the technical cooperation (TC) component is the Ministry of Construction (MoC). The Vietnamese partner cities/provinces include: Bac Ninh, Hai Duong, Vinh/Nghe An, Can Tho, Tra Vinh and Soc Trang. The German partner institutions include KfW (German Development Bank) for Financial Cooperation (FC) and GTZ (German Technical Cooperation) as well as DED (German Development Service) for Technical Cooperation (TC).

**The principles of a Management Information System (MIS) have been introduced in five out of six participating wastewater companies.**

The objective of a MIS ( see graphic) is to gather relevant operational data from all company departments and to present these data in an agreed format through an 'on-line' system to the management for decision-making purposes. The MIS software that has been developed is based on client/server model, using Visual Basic 6.0 as the program language. The software uses Excel sheets as user-interfaces. Maintenances and updates are vital activities because of possible software errors during data processing or in the event of modified software features. The MIS software allows remote correcting and updating. Until date, applications for payroll calculation are made available and put into operation in 2008 in Can Tho, Soc Trang and Tra Vinh. The application has four main components:

- **Database:** currently data are stored in Access databases but they are easily converted into SQL databases once companies are equipped with a Server and a LAN system.
- **Security:** The security and users administration are based on the system of password and access right allocation.
- **Data input forms:** consist of forms to manage staffs; input forms for entering necessary data.
- **Report system:** consist of salary sheets, summarized reports on salary, other income and social insurance.

**COMPONENT: TC Component 2 – Capacity Development Wastewater Management (WWM)**

**PERSPECTIVE: Management Information System (MIS)**

**ACTIVITY: Setting up Salary Calculation Software**

**LOCATION: Can To, Soc Trang and Tra Minh**

**DATE: June 2008 - October 2008**

Staffs in the Administration Departments were trained to install the software, update the system, enter data and use report system. Salary related data are systematically identified, calculated and stored in databases and are available to MIS to calculate management payroll reports.

Setting up payroll calculation is the activity that follows application of personnel Inventory (PMIS). The PMIS has been put into operation in five out of

six participating wastewater companies. Staff's personal details in Bac Ninh, Hai Duong, Can Tho and Soc Trang are now stored in PMIS's databases and available to produce staff's curriculum vitae (CV). The next step for PMIS is to establish Job description, Assessment and Training components.

Applications for: customer management, accounting, asset inventory, & asset management and HRM will follow.

