PIYASUDA TANLERT: INFORMATION SYSTEM FOR POINT SOURCE WASTEWATER
MANAGEMENT CHANGWAT PHATHUMTHANI: CASE STUDY. THESIS ADVISORS: SURA
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The main object of this research work concerning the Information System for Point Source Wastewater Management in Changwat Phathumthani is efficient operation of this information system to introduce data input, storage and data output of the point source. This Information system was developed for standard design by gathering data that include point source and quality of wastewater from pollution source in Changwat Phathumthani, an area suffering from a great deal of pollution due to lot of pollution source from agriculture, industry and communities.

System development, database development, and system design are the tools for developing the information system. This system consists of many data such as data from agriculture, industry, and community pollution sources, data of wastewater quality, and data of wastewater quality standards. This information system was managed and designed by the relational database using Microsoft Access 97 under the windows operating system and using Visual Basic 6.0 for developing this application and creating user-interface that users can input, edit and enquire data more efficiently. This research studied the work of current wastewater management of agriculture, industry and the community, designed for a database, and developed the system. The three target groups, the expert in analysis and design system, the expert in wastewater management and the user evaluated this research.

From the evaluation, the developed system can help the user work efficiently and the system is capable of being a prototype to develop information systems for Point Source Wastewater Management in the future.