

การจัดการฟื้นฟูแม่น้ำลำคลอง :  
กรณีศึกษาเฉพาะคลองสวย จังหวัดนนทบุรี

**The Re-vitalization of Rivers and Canals :  
A Case Study of the Pilot Project for Water Treatment  
in Klong Suey, Nonthaburi Province.**

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## **Executive Summary**

Nonthaburi has been the province which accommodates the economic growth and expansion of the Bangkok Metropolis especially with respect to residential needs, trade and services as well as manufacturing activities. However, the development has directly affected the natural resources and environment. The quality of environment in the province has deteriorated especially with respect to water.

The implementation of pilot project for polluted water treatment in Klong Suey, Nonthaburi province is the cooperation of various agencies concerned including the local government agencies (2 municipalities) according to the policies and is overseen by the management. As obstacles and limitations in the implementation of the project are anticipated, a survey of the local area residents is therefore needed so that conditions, limitations and the achievement of the project become feasible.

The objectives of this individual study are (1) to survey the opinions and views of the local area residents towards the implementation of the pilot project for water treatment in Klong Suey; (2) to identify and analyze the root causes; and (3) to give recommendations on approaches to solve polluted water in Klong Suey and apply such approaches to the revitalization of other canals in Nonthaburi province.

With respect to the scope and methodology of the study, Klong Suey is used as a case study. The study surveys and analyzes the basic data collected from Klong Suey area as well as the secondary data including the academic reports, rules and regulations, laws, policies and strategies and data and information from concerned government agencies about environmental conservation at the local areas and provincial levels. The study also conducted indepth interviews of the sample respondents along the Klong Suey areas in June 2552.

It is expected that the benefits from this study include the knowledge on the current status of the Klong Suey canal in Nonthaburi, its problem situation, root causes and appropriate approaches for the conservation, development and revitalization of the canals in Nonthaburi.

In sum, the pilot project for polluted water treatment in Klong Suey, Muang District and Pakkred District in Nonthaburi province is initiated and implemented because currently the province has experienced a lot of polluted water treatment management. In order to have a sustainable problem solving approach, there is a need for cooperation of all concerned government agencies, private sector organizations and people in the affected areas. Nonthaburi province has selected Klong Suey canal as a pilot project because it is the public canal which has highly polluted water quality. The ditched canal has to be ditched. The polluted water treatment is through the efficient microbial (จุลินทรีย์ - EM), the setting up of the wind mill for waste water treatment, the use of water weeds to help treat the polluted water are measures that have been sufficiently effective and resulted in concrete outcomes. Each method resulted in better quality of the water to some extent. However, to achieve a sustainable outcome of this project, there is a need for joint cooperation of all sectors concerned.

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