

## C 635261 : MAJOR URBAN PLANNING

KEY WORD: LAND - USE / SOLID WASTE DUMP SITE / BANGKOK METROPOLIS

SUWIMON PHAKPIBOOL : LAND - USE GUIDELINES FOR THE AREA AFFECTED BY SOLID WASTE DUMP SITE : A CASE STUDY OF SOI ON - NUJ , BANGKOK METROPOLIS. THESIS ADVISOR : NOPANANT TAPANANONT, Ph.D. THESIS COADVISOR : ASSIST PROF. THARES SRISATIT, Ph.D. 201 pp. ISBN 974-635-575-9

This study identified development pattern and land use problems reflecting from dispersion of pollution from the open dump site Soi On -Nuj , Bangkok Metropolis , in relation to physical , economic and social development of the area . The change of land use had been in accordance with the dispersion of pollution by geographical factors within the project's time frame. the methodology of the study was under theories and specification of environmental impact standard , and the principle of pollution dispersion .

Four major impacts from the dispersion of pollution from the open dump site , i.e. air , water, health , and visual , were found in relation with factors generating different radius of pollution dispersion effecting especially residential land use pattern. By using geographical factors for reducing environmental impacts ; wind rose for the air pollution dispersion , flow direction for the water pollution dispersion , environmental standard for health hazard , and green buffer for visual pollution. Control for the environmental impacts was recommend in two approaches. Firstly , the pollution control at source by using sanitary methods together with proper investigation . Secondly, the pollution control of the surrounding by city planning measures , tax policy for the green buffer , and the control of residential density.

ภาควิชา.....การวางแผนภาคและเมือง

สาขาวิชา.....การวางผังเมือง

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