

Yuthapong Kosinsenee 2007: The Impacts of Land Use Changes in Rural Community (A Case Study of Sanitary Landfill of Banpan Community, Phon Na Kaeo District, Sakon Nakhon Province). Master of Urban and Environmental Planning, Major Field: Urban and Environmental Planning, Department of Urban and Environmental Planning. Thesis Advisor: Associate Professor Eggarin Anukulyutthathon, Doc.3eme Cycle. 145 pages.

The objectives of this research were to study environment condition around study area and Juxtapose area. Such as 1. Physical Resources 2. Biological Resources 3.Human use Value and 4.Quality of Life Value To impact assessment between construction period and proceed period and conclusion about defensible regulation and decrease impact. Increase monitoring quality of environment. To decrease impact to acceptable standard. Study area was Banpan Community , Phon Na Kaeo District , Sakon Nakhon Province. Method of this research was to study initial environmental examination (IEE) apply from guideline of environmental assessment report. The data were statistically and descriptively analyzed.

The result showed that in construction period and proceed period were cause effect to air quality solid waste transportation and public health. For example, spread of dust soil while construction period or other activities make air dust spread, solid waste and waste material from construction. Accident from transportation by car. Suffer of rural highway number 6011 or other road in local area and accident from construction. In proceed period had effect from smell of solid waste. Burn of solid waste or explosion of Methane gas. Blow of solid waste. All impacts are expect that every effect will happen. The suggestion from this research were concluded by decreasing regulation of construction and proceed period.Simultaneously, Monitoring process in topic environment quality will be regulated after construction were finished.

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