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PICHITTRA NGERNPAT: FACTORS INFLUENCING PROPONENTS' BEHAVIOR IN ENVIRONMENTAL IMPACTS PROTECTION AND MITIGATION FROM STONE CRUSHING PLANTS: CASE STUDY IN SARABURI, CHONBURI RATCHABURI AND LUMPANG PROVINCES. THESIS ADVISORS: SUKHUM POOTHONG , B.A. , M.Sc. PONGTHEB JARU-AMPORNPARN, B.Sc., M.Sc., 158 P. ISBN 974-663-800-9

The objective of this research was to study factors influencing behavior of proponents from stone crushing plants in Saraburi, Chonburi, Ratchaburi and Lumpang Provinces. Data were collected by using questionnaires and interview method of 57 proponents from February to November 1999. The statistics used in analysis of the data were percentage, median, mean, standard deviation, t-test, one-way analysis and stepwise multiple regression analysis.

The results showed that age and level of education of the proponents caused differences of their knowledge . Number of laborers and acceptant of people caused differences of their attitude. And, domiciles, duration of work, variable production cost, payment for environmental management and creation of buffer zone caused differences of their behavior in relation to protection and remediation environmental impacts.

In analysing the relationship between knowledge, attitude and behavior by using one-way analysis, it was found that attitude was related to behavior but knowledge was not related to attitude and behavior.

In the analysis of multiple factors influencing proponents' behavior, the factors which positively influenced behavior were having a buffer zone and a good attitude, while the factors negatively influencing behavior were duration of work and level of education.

The study indicated that to promote the proponents to have good behavior in protection and correct environmental impacts protection and mitigation, it is necessary to create a good attitude and push the new proponents to have a buffer zone in their plants. Related state organizations also have to be responsible for pushing the proponents to understand and be aware of the problems and seek means to solve the problems seriously.