

Thesis Title A Study of Police Officers in Traffic Police Division :
 Knowledge of the effects of air pollution and the
 measures they use to protect themselves

Name Anan Sukchareon

Degree Master of Art (Environment)

Thesis Supervisory committee Jiraporn Chuckpaiwong , B.A., M.A. (Environment)
 Prakairat Sukumalachart , B.A., M.S.
 Pannipa Buraphacheep , LL . B . (2 nd Class Hon) ,
 LL.m.

Date of Graduation 23 July B.E.2540 (1997)

ABSTRACT

The purpose of this research was to study police officers' level of knowledge about air pollution and the actions they undertake to protect themselves from air pollution. Also studied were the relevant factors which influence their level of knowledge and their protective behavior, as well as the relationship between their level of knowledge and their protective behavior. All the police officers surveyed belong to the traffic police division.

The methodology of this reseach was to collect questionnaire data from 66 commissioned police officers and 308 non-commissioned police officers. The various statistical techniques used in the analysis of the collected data included the following : percentage, mean, standard Deviation, one-way analysis of variance, and Pearson Product Moment Correlation.

The research findings were as follow :

1. Most police officers in the survey sample have a moderate level of knowledge about air pollution. Analysis of variance found significant difference according to rank, education level, information perception ($P < 0.001$), age, marital status, duration of work ($P < 0.01$), participation in air pollution programs and attitude towards air pollution ($P < 0.05$).

2. Most of the respondents have a moderate level of behavior regarding protecting themselves against air pollution. Analysis of variance found significant differences according to perception, participation in air pollution programs, attitude towards air pollution ($P < 0.001$), marital status ($P < 0.01$) and time of work each day ($P < 0.05$).

The study found that there was a positive correlation between level of knowledge about air pollution and protective behavior at the statistically significant level of $P < 0.001$.

The recommendation is that the traffic police division should conduct more training programs about air pollution and the effects of air pollution on health as well as the appropriate protective behavior. The traffic police division should also cooperate with the police hospital to conduct annual physical examinations of the police officers and give air pollution protection equipment to them. They should also create awareness about appropriate protective behavior .