

Thesis title                      Behavior of Bangkok Truck Driver towards Vehicular  
Air and Noise Pollution Legislation.

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#### ABSTRACT

The purpose of this research was to study the behavior of Bangkok truck drivers towards vehicular air and noise pollution legislation by analyzing personal characteristics, socio-economics, the conditions of the trucks and motivational factors. Data was collected by interviewing 400 truck drivers in Bangkok at Department of Land Transport branches such as Maohit, Bang Khun Thian, Taling Chan and Phra Khanong. The research results indicated that :

Most of Bangkok truck driver's behavior on air and noise pollution was classified as "high level". Based on information concerning personal characteristics, it was shown that the group which conformed most to vehicular air and noise pollution legislation had the following characteristics : 31-40 years of age, marital status: married, widowed or divorced with more than 16 years of driving experience and those whose trucks were registered at Bang Khun Thian

District. All these factors were statistically significant( $p < 0.001$ ).

The socio-economic factors showed that those with an income of more than 8,001 baht/month had significantly better behavior towards air and noise pollution legislation( $p < 0.05$ ).

Regarding truck condition, it was found that the most responsible drivers were the ones who used a type of exhaust pipe with muffler not more than one year old. Their behavior towards air and noise pollution legislation was significantly better( $p < 0.001$ ).

Analysis of the motivational factors showed that the most responsible drivers were the ones who received an air or noise pollution ticket more than 11 time and never got harmed from any air or noise pollution. The research result found that the total number of tickets received and experience from air and noise pollution of truck drivers significantly affect their behavior towards air and noise pollution legislation( $p < 0.01$ ).

## Recommendation

The Department of Land Transport (Ministry of Transport and Communication), The Royal Thai Police Department (Ministry of Interior) and the concerned non-government organizations have to cooperate among themselves to formulate more effective laws to check and control the truck owners regarding their conformity to existing noise and air pollution legislation. The Ministry of Education and the Public Relations Department (Office of the Prime Minister) must also cooperate to disseminate the information to the public, especially truck drivers, to persuade them to follow the rules and to encourage the young people to be aware of the quality of their environment.