

Thesis Title : The Effect of Environmental Pollution
from Industries on Human Behaviors: A
Study of Tumbol Aomyai Amphoe Samphran
Changwat Nakhon Pathom

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ABSTRACT

This research is aimed to study the impacts of environmental pollution from Industrial factories on human behavior in the area of Tumbol Aomyai, Amphoe Samphran, Changwat Nakhon Pathom. The environmental conditions and human behavior between industrialized zone and non-industrialized zone were studied and compared. Air quality together with water quality and sound level were measured. Human behavior was studied by sampling system. Samples were taken equally with 130 households each from both zones. Questionnaires were used in interview.

The results can be concluded as follows:-

1. Water pollution was found in both zones, but the situation in the industrialized zone is worse than in the non-industrialized zone at the 0.05 level of statistical significance. Air and noise pollutions were found in same areas of industrialized zone at the 0.05 level of statistical significance.

2. Health behaviors were found different in both zones. Monthly health records, health examination records and annual death by diseases in industrialized zone were found more than the other zone. Hand cleaning before meals was found less in non-industrialized zone at the 0.05 level of statistical significance.

3. For drinking water; sources, containers, quality improvement were found different between these two zones at the 0.05 level of statistical significance. Water for consumption in household was also found different in sources and quality improvement at the 0.05 level of statistical significance. For water used in agriculture, it was found different only in water storing at the 0.05 level of statistical significance.

4. The perception of people on pollution situation, causes and control measures were also found different between both zones at the 0.05 level of statistical significance.