

ABSTRACT

At present, the problem of waste disposal is spreading and getting more serious. In Thailand, Chiangmai is an especially the good example on the problem of waste disposal. In Lumphun the protests of local people to the construction of the incineration plant is another problem which occurs due to the NIMBY syndrome.

To avoid the NIMBY syndrome, and to avoid the protests to the construction of incineration plants, the idea of this report is highlight that everyone has to bear the burden about the waste that he disposes, so each Amphur should have an incineration plant in his area to eliminate his own waste. Incineration method is another alternative to propose to the local people. Amphur Rajburana is selected as the sample, with many reasons which, will be mentioned in the Chapter III.

This report will discuss the reason for using the incineration method, the available incineration technology, and the appropriateness of using the method. A case study in Amphur Rajburana in Bangkok Metropolitan area, will detail the cost and benefits that will pay and get in constructing the incineration plant.

From studies the cost-benefit, it shows that Amphur Rajburana should implement the incineration plant with 300 tons/day capacity with reasons that it can reduce the volume and weight approximately 70% of its original size. It is an advantage for the large city, which has limited space and help to reduce the problem of inadequate living place. Although the investment is quite high, when comparing with the benefit, it can generate more benefits than cost, which is shown in Chapter V.