

ABSTRACT

Thesis Title : The Impact of EGAT's Electricity Generation on
Community's Environment : A Case Study of
Electricity Generation at Bangpakong Power Plant

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This research has main objectives to study the Electricity Generation Development with important and impact of National Economic and Social Development.

Electricity Generation Authority of Thailand (EGAT) has managed and developed the power system in consistence with more efficiently and at a higher capacity. But environmental interaction has increasingly too.

The Bangpakong Power Plant is the example to solve and reduce environmental problem. Highlights of environment works are summarized as follows:

1. Emissions of Sulphur DiOxide (SO_2) , Nitrogen Oxide , Dust and Cabon Dioxide have been controlled within mandatory standard limits except.

- 1) SO_2 by $1910.4 \mu\text{g}/\text{m}^3$ in sometime

2) 53.47 % of people around the Bangpakong Power Plant need to solve and reduce the dust.

3) The lowered and uppered temperature of the water in the Bangpakong River is 35 – 38 degree Celsius.

4) The solution and reduction of the garbage problem on the land surface.

2. No impacts on mariculture activities of the Bangpakong Power Plant

3. No impacts on traffic of the ships and the movement or number of cars in a street and no impacts on public health except the land development has increasingly the price.

4. In addition to its main responsibility of providing quality power service, EGAT. Also has continuously worked with the community in an earnest effort to help tackling social problems and improving the wellbeing of local people where and when possible.