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CDM – Executive Board

The project can expect to deliver multiple benefits in respect of sustainable development in Thailand, including:

- ⇒ Reduction of GHG emissions associated with previous open anaerobic lagoon treatment system;
- ⇒ Reduction in the odour and fly nuisance associated with the old open lagoon treatment system;
- ⇒ Elimination of the use of fossil-derived imported grid electricity in the swine rearing facility;
- ⇒ Access to low-cost [free except for additional system capital, operating and maintenance costs] power for swine producers;
- ⇒ Promoting technological excellence and innovation in Thailand;
- ⇒ Building confidence for farmers and other potential project developers in the efficacy, cost and safety of biogas systems as an emerging swine rearing waste-to-energy technology within the SE Asia region;
- ⇒ Enhancing the nutritional intake of local children through the free distribution of a portion of the dried sludge to local schools for use as fertiliser for a local *student food programme*;
- ⇒ Enhancing the productivity and finances of local farmers through the availability of high quality natural dried sludge fertiliser supplied at low cost. Effluent from the facultative ponds can also be supplied to local farmers as liquid fertilisers upon request.
- ⇒ Elimination of problems related to disposal of solid waste through improvement of sludge handling system, and;
- ⇒ Reduction in the dependency on imports because most components can be manufactured in Thailand.