

## SUSFORM-NOW (LDC) NewsNo 11 Trial installation of biogas plant

Biogas technology will help you improve conditions of agriculture, energy and hygiene.



### Advantages of biogas plant

1. Producing multipurpose liquefied fertilizer
2. Reducing fire wood consumption
3. Reducing cooking time
4. Improving hygienic conditions

A polyethylene(PE) tube biogas digester was lifted up and moved to a trench that had been prepared next to a pig shed.

The experiment of biogas plant was conducted at Sai Luong in Nua Ngam Commune, Dien Bien District on January 13, 2012.



.PE-type digester (capacity of 4.5m<sup>3</sup>) was placed in a trench (Length: 5.8 m, Width:1 m, Depth:1.1 m) . Roofs to shelter from sunshine and rain water are to be prepared for long utilization of the PE-tube.

A gas distribution pipe was extended from the digester to the kitchen and cooking gas stoves were

Within three weeks, the plant is expected to start generating biogas. The production rate is about 2.5 m<sup>3</sup> per day during summer and 1.5 m<sup>3</sup> per day during winter.



January 13, 2012 (Code 2.5.3)

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