

## SUSFORM-NOW (LDC) News No.15: Comparison of 2 types of biogas facilities

Following a successful installation & operation of polyethylene (PE) -type biogas facilities in Sai Luong village of Dien Bien District, SUSFORM-NOW (LDC) started supporting brick-type biogas facilities in February 2012 in Tia Ghenh C of Dien Bien Dong.



**Construction of Brick-type biogas facilities in Tia Ghenh C**



masons trained under the biogas project.

For the assistance to installation of brick-type biogas facilities, SUSFORM-NOW (LDC) is closely working together with the Provincial Biogas Office of DARD. For example, the Biogas Office provides technical advice for biogas construction works and introduced skilled



**Polyethylene (PE) - type biogas facilities in Sai Luong Village**

**‘Using biogas facilities, we now do not have to go to forest to cut down firewood as often as we used to’** is a word from a villager in Sai Luong. Benefits of using biogas facilities include not only reduction of firewood consumption but also production of multipurpose liquefied fertilizer and improvement of hygienic conditions. Apart from such benefits, you are advised to consider advantages and disadvantages of both types of biogas facilities before you introduce biogas facilities in your village. The following table compares between the two biogas facilities on various aspects.

### Comparison of brick-type and PE-type biogas facilities

Item	Brick-type biogas facilities	PE-type biogas facilities
Expected duration	You can use for 20 years	You can use for 5 to 10 years
Investment cost by capacities of digester	About 10 million VND/10m <sup>3</sup>	About 3 to 4 million VND/9m <sup>3</sup>
Construction period	It takes about 7 to 8 days	It takes 1 to 2 days
Risk of destruction by animals	Strong against destructive forces by animals	Vulnerable to some extent
Transportation	Relatively difficult to carry materials if you live deep in mountainous regions with limited access	Relatively easy to carry materials even if you live in mountainous regions

SUSFORM-NOW (LCD) would like to explain more about biogas facilities and our supporting scheme to those who wish to think of introduction of the facilities. Please contact us at the following address at your convenience.



Date 27/02/2012 (Code 2.5)  
 Project telephone: 0230-8500-868  
 Email: [SUSFORM.NOW.LDC@gmail.com](mailto:SUSFORM.NOW.LDC@gmail.com)