

To whom it may concern

Project: Biogas plant La Calera, Peru
Performance estimation of existing digesters

The following data relate to the two existing biogas digesters at the farm of La Calera at Chinchu, Peru.

Volume of existing digester:

| | |
|-------------|----------------------|
| Digester 1: | 750m ³ |
| Digester 2: | 1,500 m ³ |

Max substrate input:

| | |
|-------------|----------------------|
| Digester 1: | 30 m ³ /d |
| Digester 2: | 60 m ³ /d |

Substrate quality:

| | |
|-----------------------------|-------------|
| Dry matter content: | 13% DM |
| Organic dry matter content: | 68 % oDM/DM |

Expected biogas production:

| | |
|-------------|-------------------------|
| Digester 1: | 955 Nm ³ /d |
| Digester 2: | 1910 Nm ³ /d |

| | |
|------------------------|-----------------------------|
| Specific biogas yield: | 360 Nm ³ / t oDM |
| Methane content: | 55-60% |



Dr. Dirk Brusis
Technical Director