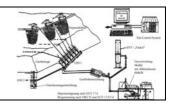
### DAS – IB GmbH DeponieAnlagenbauStachowitz

Biogas, Sewerage gas and landfill gas technology:

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Flintbeker Str. 55 D 24113 Kiel Tel. und Fax # 49 / 431 / 683814 <u>www.das-ib.de</u> email: info@das-ib.de



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Translation by the Independence Expert: Wolfgang H. Stachowitz

## 5.4.8.1.a Units to flare landfill gas or other combustible gasiform substances

#### **Constructional operational arrangements**

Should be extracted landfill gas or other combustible gasiform substances (e.g. sewerage gas, biogas) not be used as fuel in furnaces or as fuel for gas engines with energy utilisation, this gases have to be flared in a High – Temperature – Flare (muffle). The definition of these gases is: worse quality, low gas flow or stop of the gas utilisation.

The exhaust temperature has to be at the end of the flame 1,000°C and a retention time of the hot exhaust gases in the body of the stack also at the end of the flame at minimum of 0.3s. **References:** 

The emissions are refer to 3 Vol % of oxygen in the exhaust gas.

#### Mass produces refer to number 5.2 are not relevant.

#### Organic substances refer to number 5.2.5 are not relevant.

#### Measuring

To control the burnout must be all units equipped with thermocouples in the stack which measured the temperate and make a protocol of the temperature. This thermocouples (measurement points) has to be installed at the end of the retention time.