

Safety Check according to BetrSichV or § 29a BImSchG

Recurring tests by a qualified person or examiner

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If a biogas plant is operating in Germany, the plant automatically falls under the regulations of the Workplace Safety Ordinance (BetrSichV) in the occupational safety legislation.

A biogas plant is a place in need of monitoring and therefore must be subjected to periodic inspections by a qualified person in accordance with §16 BetrSichV. If the installation falls under the scope of the 12th BImSchV or if it is subject to regulatory requirements, the periodic inspections must be carried out by an authorized expert in accordance with §29a BImSchG.

The time limits of the tests are prescribed by law and range from 6 years for the potentially explosive area of the entire system, to 3 years for all system parts that are subject to the ATEX directive, and up to 1 year for gas warning devices and ventilation systems.

Changes made to the biogas plant also require a test, and prior to starting operation for the first time the installation must be inspected by an authorized monitoring center or a qualified person.

It is part of the operator obligations that these tests are carried out regularly and the system can always be operated safely and in accordance with the state of the art.

In the periodic inspection, the required operating documentation is checked, and the technical condition of the relevant system components is inspected for function. These essentially include:

⇒ Inspection and checking the operating documentation for completeness and actuality

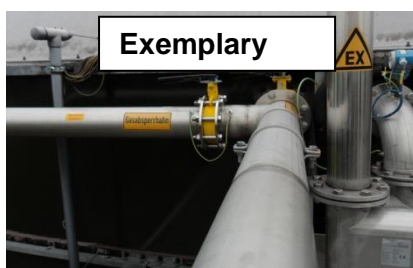
- Hazard and risk assessment, with explosion protection document
- Process flow diagrams as P&ID.
- Operating instructions of the biogas plant and all aggregates, operating instructions, work instructions, and operating logs.
- Master plans, approval notices and requirements, acceptance records and certificates of conformity.
- Ex zone plan, fire emergency plan, escape and rescue plan, emergency stop concept, and emergency power concept.

⇒ Leakage and functional tests of the entire gas system, testing of technical and structural condition, functional testing of all overpressure and underpressure fuses, as well as all installed devices with regard to explosion protection.

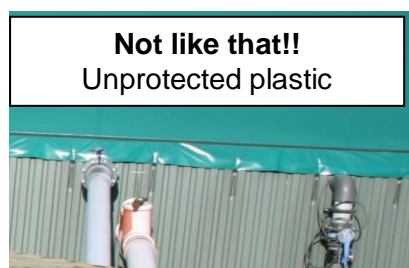
⇒ Function test of the safety gas flare, safety checks on the CHP.

⇒ Function test of the emergency stop circuit.

We gladly carry out the examinations for you - according to either the rules of §15, §16 BetrSichV or §29a BImSchG – with 20 years of experience for your benefit!



Exemplary



Not like that!!
Unprotected plastic



Not so much !!!
Totally rusted gas pipe

INNOVAS Innovative Energie- und Umwelttechnik

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