SABIA’s Focus

To promote the safe and efficient use and supply of bio-methane based gas within the biogas Industry of Southern Africa

- Safety Environment
- Industry Focus
- Win – Win Relationship
- Integrity
- Continuous Improvement
- Develop industry Standards
SABIA and SAPGA

Safety & Efficiency

Awareness & Growth

Vision

Mission

Growth

Information sharing

Influence & Representation
Functional Interrelationships

Safety & Health
People
Statutory & Regulatory

Your Business
Systems
Processes
Quality & Environmental

Customer?

Added value
For your business and the customers
Biogas Regulatory Compliance

Guidelines

- Sectors Domestic (<0.5GJ/h)
- Commercial and Industrial (>0.5GJ/h)
- Operating Pressure of Systems < 50 kPa (PER)
- Gas Act: (NERSA) Biogas
  - Storage License
  - Production Activity Registration
  - Trading License
- NEMA regulations:
  - Air Quality
  - Water Usage Licenses
  - Waste Management Act
  - Production Requirements and Thresholds
  - Reduce Time and process of approvals
Biogas Regulatory Compliance

Guidelines

– Sectors where Standards in Biogas should be Developed or Influenced.
  • Equipment certification
  • Installations Practice
  • Sector classification
  • Training and Education
  • International Standards
  • Government Policy
  • Industry Strategy

– SABS and SANS Standards
  • Started with Biogas standards
  • Equipment standards outstanding
Guidelines

– Domestic Regulation.
  • Basic requirements
  • Ensure safe use and operation
  • Keep cost low for market penetration
  • Equipment safety and quality control
  • Installers to be trained and certified to issue CoC`s

– Commercial and Industrial Regulation
  • Comply with industrial safe gas practice
  • CoC`s to be issued for all installations
  • Only approved equipment to be used
Why – Legal compliance?

- Member of the South African Qualifications and Certifications Committee for Gas namely (SAQCC-Gas) - a Department of Labour appointed institution - to be jointly involved in the registration of competent practitioners in the methane gas industry.

- SAPGA / SABIA is therefore required under OHS Act - PER and related standards to ensure registered practitioners and establishment of a Safe Gas Equipment Scheme (SGES) for the methane gas industry.
Safe Appliance Scheme

LPG safety association

– All domestic and commercial equipment < 0.5 GJ/h
– Single permit for both LPG and Natural Gas
– On Biogas will apply to:
  • Gas stoves / hobs
  • Gas generators
  • Hot water Geysers
  • Fire places / heaters
Safe Gas Equipment Scheme

**SAPGA**

- All Commercial & Industrial biogas equipment > 0.5 GJ/h
- Domestic and commercial equipment using methane gas < 0.5 GJ/h
- On Biogas/Natural gas will apply to:
  - Gas ovens
  - Burners / Furnace / Boilers
  - Bio-digesters
  - Hot water Geysers
  - Heaters
  - Gas Generators / Engines
Gas Equipment
Biogas to Vehicles
THANK YOU

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082 322 6210
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For more information on biogas and natural gas vehicles ;-)

www.iangv.org
www.ngva.europe.eu
www.ngvamerica.org
Mandate /Authority of the SGES

Dept of Labour

OHS ACT

PER

SANS1539

‘SANS 827’

SANS347

SANS329

SGES Committee
Legislation

Occupational Safety and Hazards Act, 1993 – Act No. 85 of 1993“

Pressure Equipment Regulations 2009 - Regulation 17

No person shall –

(1) handle, store or distribute any gas in any manner, including the filling of a container, other than in accordance with a health and safety standard incorporated into these regulations under section 44 of the Act,

(2) install or remove an appliance, pressure equipment or system for gas in any manner other than in accordance with a safety standard incorporated into these regulations under section 44 of the Act,

(3) install or remove a gas appliance, or a gas system or a gas reticulation system, unless such a person is an authorised person

(4) After installation or re-installation, before commissioning the user shall ensure an external inspection and leak testing is performed

(5) An authorised person shall issue a certificate of conformance
1. Currently finalizing NQF levels 2 & 3 training material

2. Training on SANS 329 (Thermo Processing) – industrial level (220)

3. NG course: domestic level – SANS 1539 and SANS 827 (Training Provider)

4. Safe Gas Equipment Scheme (SGES) & Safe Appliance Scheme (SAS)
   - SAPGA for industrial equipment
   - LPGSASA for domestic/commercial appliances
   - Mandate from Dept of Labour