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Snapshots!

**Gas Monitoring Program**

<https://ehs.psu.edu/laboratory-safety/guidelines>

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**Who does this program apply to?**

* University operations that use compressed gases covered by University Safety Policy SY25 – Compressed Gas Cylinders, except in situations where cylinders are for short term use (< 14 calendar days) of limited quantities (lecture bottles) in a chemical fume hood.
  + Note – Propane cylinders used for cooking or for forklift applications are excluded from this program

**What are the key requirements of this program?**

* Faculty/Staff who use compressed gases:
  + Determine if they use compressed gas cylinders covered by SY25 (<https://policy.psu.edu/policies/sy25>).
  + If making modifications to existing or installing new operations that utilize compressed gas cylinders, review the Gas Monitoring Program guidelines (<https://ehs.psu.edu/laboratory-safety/guidelines>).
  + Develop appropriate Standard Operating Procedures (SOP’s) for proper handling of compressed gas cylinders including procurement, storage, use, and emergency response actions.
  + Ensure individuals working in their areas understand their responsibilities relating to the Gas Monitoring Program.
  + University Park - order all compressed gases through General Stores unless granted a specific exception.
* Facility Coordinators / Safety Officers:
  + Evaluate activities within their area of responsibility, including proposed research against applicability to the Gas Monitoring Program requirements.
  + Communicate newly identified activities to the Department of EHS and ensure records associated with this program are provided to EHS.
  + Work with the Department of EHS in completing specific unit operation assessments against the Gas Monitoring Program.
* Employees must:
  + Understand responsibilities and actions relating to alarms within their work environment.
  + Communicate any difficulties or challenges relating to working with compressed gases to their immediate supervisor.
* Training requirements:
  + Proper handling and use of compressed gases, including appropriate Personal Protective Equipment (PPE) requirements.
* Recordkeeping Requirements:
  + Maintain SOP’s, equipment maintenance, calibration, training, and inspection records for the compressed gas monitoring system.

**For additional information:**

* NFPA 55 – Compressed Gases and Cryogenic Fluids Code (<https://www.nfpa.org/codes-and-standards/all-codes-and-standards/list-of-codes-and-standards/detail?code=55&tab=nextedition#tabs>)
* NFPA 318 – Protection of Semiconductor Fabrication Facilities (<https://www.nfpa.org/codes-and-standards/all-codes-and-standards/list-of-codes-and-standards/detail?code=318>)