

Project Safety Analysis



A Key Component of Laboratory Safety

What Is a PSA?

Project Safety Analysis (PSA) is a proactive process aimed at identifying and assessing potential hazards and risks at the earliest stages of a project. It serves as the foundation for promoting safety, operational efficiency and environmental stewardship. This approach enhances project efficiency, safeguards people and the environment, and minimizes potential risks throughout project execution.

Scope of a PSA:

Engineering research projects, academic initiatives, student club activities and events involving uncommon hazards should have a PSA.

Key Elements of a PSA:

- **Hazard Identification:** Evaluate equipment, chemicals and procedures.
- **Risk Assessment:** Systematically analyze potential risks.
- **Protective Controls:** Apply engineering solutions, safety protocols and PPE.
- **Training Needs:** Identify and address skill gaps to enhance safety practices.
- **Emergency Response Plan:** Prepare for incidents such as spills, fires or equipment failures.
- **Disposal Planning:** Ensure safe disposal of chemicals and equipment.

How Can You Start with a PSA?

EHS's Laboratory Safety can provide assistance with:

- hazard identification and risk assessment
- guidance on implementing control measures
- access to training resources and compliance support

Want to learn about
initiating a PSA?



To submit a PSA, email:

labsafety@tamu.edu

For more information on
engineering safety
or PSAs, contact:

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