

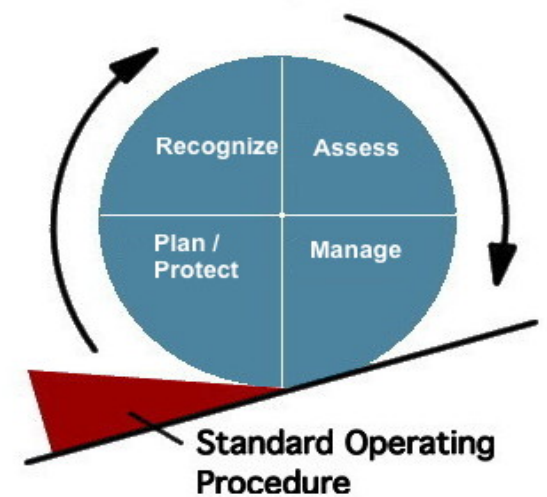
Risk Assessment Tools

The RAMP Paradigm

(Hill and Finster, 2010)

1. Be aware of potential concerns
2. Recognize the hazards
3. Assess the risks*
4. Manage the hazards
5. Prepare for emergencies
6. Protect the environment

The RAMP Approach to
Laboratory Chemical Safety



* Laboratory Risk Assessment Methods Described by ACS 2013

Control Banding

Chemical Safety Levels (CSL) identifying facility requirements

Job Hazard Analysis

Identifies best practices for a process

What If

Identifies emergency scenarios and PPE needs

Standard Operating Procedures

Document management choices and supports training

Checklist

Guides oversight requirements