

Process Hazard Analysis Checklist

You don't know what you don't know. So, to mitigate hazards effectively, you first need to identify them. In process safety, the causes and consequences of hazards are identified during a Process Hazard Analysis (PHA). This analysis is the foundation of process safety management and ensures effective risk mitigation. Use the checklist below to prepare for your next PHA.

1. What kind of PHA is requested/required? HazOP HazOP/LOPA FMEA What-If HazID Checklists

2. If Revalidation PHA, what type? Choose one: Check Update Re-Do

3. Have there been any modifications to your processes since last PHA? Yes No

4. Location of PHA? Choose one: Onsite Neutral Remote

5. Identify who will be on the PHA Team: Operations Engineering Facilitator

6. PHA Date: _____ Time _____ Duration _____

7. What is the regulatory due date of the PHA?

8. Do you have a PHA/LOPA Procedure? Yes No

9. Is there an existing Risk Matrix with acceptable risks and unacceptable risks defined? Yes No

10. Write a process description.

11. What software will be used? PHA Pro PHAWorks Leader Other

12. Documentation:

How many drawings? _____ How many P&IDs? _____ How many PFDs? _____ How many chemicals? _____

i. For each chemical, process, or system, do you have the following information or symptoms?

Safety Data Sheets (SDSs) Pressure Temperatures Leaks Noise Heights

ii. Do you have the following documents?

Instrument & Alarm List Cause & Effect Spreadsheet

13. What will be the report format? Typical PHA Report Format Client Report Template



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