## HazOp Workflow

- 1. Using the HAZOP worksheet, pick the process deviation.
- 2. Determine the **unmitigated** consequences associated with the deviation
- 3. Are the consequences of the unmitigated deviation acceptable? If so, go to the next process deviation.
- 4. If the consequence of the deviation is unacceptably high, estimate the frequency of the possible cause(s) as identified by the Team.
- 5. Using the frequency and consequence data and the risk matrix, determine the **unmitigated** risk of the event.
- 6. Is the unmitigated risk acceptable? If so, the next possible cause can be evaluated in Step 4. If not, go to the next step.
- 7. Identify the existing Independent Protection Layers (IPLs) and determine the **as-found** risk using the risk matrix.
- 8. Is the as-found risk acceptable? If so, the next possible cause can be analyzed.
- 9. If the as-found risk is unacceptable, use the risk matrix to determine how many and what types of IPLs need to be implemented.
- 10. Make the appropriate recommendations to reduce the risk to an acceptable level.
- 11. Once all the possible causes of the process deviation have been reviewed, go to the next deviation/guide words.



10. Recommendations

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