

Sample What-If analysis

Process: _____ Line/Vessel: _____

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| Scenario | What-If | Consequence | Controls | Comments |
|----------|----------------------------------|---|---|---|
| 1 | Water pump fails. | Process chemical system fails. | Temperature interlock provided. | Include interlock on inspection and maintenance schedule. |
| 2 | Process is involved in a fire. | Increased pressure in system, fusible plugs melt, chemical is released. | Decrease all ignition sources in area. | Eliminate all unnecessary fuel in area. |
| 3 | Incorrect material is delivered. | Improper use could result in fire or release of chemical. | Implement measure to sample contents when received. | Investigate supplier's procedure. |
| 4 | Tank corrodes. | Chemical is released. | Included in periodic inspection. | Investigate tank specifications. |