



PSI Compilation Checklist

**information necessary for conducting the
 Process Hazard Analysis**

Process:	
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Dates of PHA Work Sessions:

PSI Item (required prior to PHA work sessions)	NAC Reference	Date PSI Item Confirmed Complete
Information Related to Hazards of Tier A & B Substances	459.95412(2a)	
Information Related to Materials of Construction	459.95412(2c1)	
Piping & Instrument Diagrams and Operating Logic	459.95412(2c2)	
Electrical Area Classification Evaluation	459.95412(2c3)	
Relief System Evaluation	459.95412(2c4)	
Ventilation System Evaluation	459.95412(2c5)	
Design Code & Standard Identification	459.95412(2c6)	
Design Code & Standard Compliance Evaluation	459.95412(3&4)	
Material & Energy Balance	459.95412(2c7)	
Safety System Description	459.95412(2c8)	
PSI Item (could be developed in conjunction with PHA work session)	NAC Reference	Date PSI Item Confirmed Complete
Block Flow Diagram or Process Flow Diagram	459.95412(2b1)	
Process Chemistry	459.95412(2b2)	
Maximum Intended Inventory	459.95412(2b3)	
Safe Upper & Lower Limits	459.95412(2b4)	
Consequence of Deviation from Upper & Lower Limits	459.95412(2b5)	



**Tier A Process
 PHA TEAM MEMBER QUALIFICATIONS TABLE**

Team Members	
1.	5.
2.	6.
3.	7.
4.	8.

REQUIREMENT	1	2	3	4	5	6	7	8
Global Team Qualifications [NAC 459.95472(1)]								
1. Engineering related to chemical processes								
2. Engineering related to safety								
3. Preparation of standard operating procedures								
4. Preparation or review of procedures for maintenance								
5. Preparation or review of procedures for safety								
6. Preparation or review of programs to train operators								
7. Performance or review of investigations of accidents								
8. Performance of analysis of hazards								
9. Performance of risk assessments								
10. Preparation or review of plans for response to emergencies								
11. Performance of audits of programs to manage risks								
12. Knowledge of the state of the art as it relates to the technology of processes used								
Nevada Licenced Professional Engineer [NAC 459.95472(2)]								
Knowledge & experience of specific operations or processes [NAC 459.95472(3)]								
Team Leader with Project or Operations Mgt Experience [NAC 459.95472(4)]								
Technical Leader with formal PHA training & session experience [NAC 459.95472(5)]								

General Notation: The team conducting a PHA for a Tier A process must collectively have; experience covering all global team qualification at least one Nevada licensed professional engineer, at least one individual with working knowledge of the specific process, one designated leader, and one designated technical leader. This team also has responsibility for auditing all prevention program and emergency response program elements pursuant to NAC 459.95474.



Role of PHA Team Members When Involved in Evaluation of a Tier A Process (Required Pursuant to NAC 459.95474)

PROCESS(ES):				
1. Did all members of the approved PHA team actively participate in the PHA work sessions?				
2. Were there recommendations from the PHA?				
3. Were all of the prevention and emergency response program elements audited for compliance with NAC 459.95412 through 459.95442?				
Program Element	NAC Ref	Person Responsible for Review	Review Completion Date	Were Deficiencies Noted?
Information Concerning Process Safety	459.95412			
Process Hazard Analysis	459.95414			
Standard Operating Procedures (SOPs)	459.95416			
Training Procedures	459.95418			
Procedures for Maintenance of Equipment	459.95421			
Procedures for Management of Change	459.95423			
Pre-Startup Safety Review	459.95425			
Verification of Compliance (self audit)	459.95427			
Investigation of Incidents	459.95429			
Employee Participation	459.95431			
Hot Work Permit	459.95433			
Duties of Operator Regarding Contractors	459.95435			
Emergency Response Preparedness	459.9544 459.95442			
4. Did all PHA team members review and concur with PHA recommendations?				
5. Did all PHA team members review and concur with recommendations to correct program element deficiencies?				
6. Were PHA recommendations and measures to correct other program element deficiencies scheduled and prioritized in the Plan to Abate Hazards pursuant to NAC 459.95452(2&3&4)?				

General Notation: The team approved to conduct the PHA for a Tier A process is also responsible for assessing compliance with the other CAPP prevention program and emergency response program elements (NAC 459.95412 through 459.95442), and for recommending appropriate measures for achieving compliance where elements are deficient. The team must jointly participate in the PHA work sessions, but may independently verify compliance with prevention and emergency response program elements. The Plan to Abate Hazards is the scheduled and prioritized list of recommendations from the PHA and recommendations made to bring other program elements into compliance.



Tier B Process
PHA TEAM MEMBER QUALIFICATIONS TABLE

Qualification Requirement	Team Member(s) Meeting That Requirement
Expertise in Engineering	
Expertise in Process Operations	
Experience & Knowledge Specific to the Process Being Evaluated	
Knowledgeable in PHA Methodology Being Employed	