

E&B Oilfield Services Inc.	Activity: Compressor Operator / Pipeline Tech Starting Compressors		Doc No:	HAZ-ID
			Initial Issue Date:	4/15/2015
			Revision Date:	4/15/2016
HAZARD IDENTIFICATION AND ASSESSMENT			Revision No.:	1
			Next Revision Date:	4/15/2017
Preparation: Tonya Middleton	Authority: Danny Abegglen	Issuing Dept: Safety	Page:	1 of 2

Purpose

- **Starting Compressors**

Key Responsibilities

- Supervisors / Leads are required to ensure all employees have proper training for equipment and tools operation available per manuals and proper tool use.
- E&B Employees are required to have proper training per available equipment and tools operation and have required PPE at all times. Employees are required to follow task specific job safety analysis risk mitigation when operating in the field.
- Operator is to inspect all equipment and tools prior to operation to ensure they are maintained in working order.

Hazard and Risk Identification

Employees MAY be exposed to the following hazards:

- Noise causing hearing loss
- Gases possibly causing dizziness or fainting
- Bad Connections at Fittings leading to equipment failure
- Working around pipeline possibly leading to tripping and falling
- Exposed fans possibly leading to cuts and dismemberment

Risk Assessment

Hazards are classified and ranked based on severity. The program identifies hazards are classified/prioritized and addressed based on the risk associated with the task. (See the risk analysis matrix outlining severity and probability).

Pipeline Technicians and compressor operators start compressors or are around when they are started. The loud noises associated with the starting process are well above safe levels.



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E&B OILFIELD SERVICES INC. RISK ASSESSMENT MATRIX – STARTING COMPRESSORS

Severity	CONSEQUENCE				PROBABILITY				
	People	Assets	Environment	Reputation	A	B	C	D	E
					Not Done	Rarely	Once a week	Several Times in a Week	Multiple Times in a Day
0	No health effect	No damage	No effect	No impact					X
1	Slight health effect	Slight damage	Slight effect	Slight impact				X	
2	Minor health effect	Minor damage	Minor effect	Limited impact		X			
3	Major health effect	Localized damage	Localized effect	Considerable impact		X			
4	Single fatality	Major damage	Major effect	National impact	X				
5	Multiple fatalities	Extensive damage	Massive effect	Global impact	X				

Key	Manage for continuous improvement (Low)	Incorporate risk reduction measures (Medium)	Intolerable (High)
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Risk Controls/Methods to Ensure Identified Hazards Are Addressed and Mitigated

The following describes how identified hazards are addressed and mitigated:

- Noise causing hearing loss: mitigate by wearing earplugs
- Gases possibly causing dizziness or fainting: mitigate by making sure valves are open or closed before starting the compressor. Knowing your wind direction and wearing proper PPE.
- Bad Connections at fittings leading to equipment failure: mitigate by checking all fittings and pressures before starting compressor
- Working around pipeline possibly leading to tripping and falling: mitigate by being aware of your surroundings and making sure area is clear
- Exposed fans possibly leading to cuts and dismemberment: mitigate by being aware of your surroundings, watching hands and wearing proper PPE

JSA Sample

The following describes how identified hazards are addressed and mitigated:

Basic Job Step	Hazards and Potential Injury/Risk	Mitigation / Tools
Starting compressor	Injury to hearing	Use hearing protection