

<i>E&B Oilfield Services Inc.</i>	Activity: ALL WORK Thunderstorms and Tornadoes		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 3

Purpose

- **Thunderstorms and Tornadoes**

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:
- Hail causing damage to vehicle or person
- Wind causing risk of being hit by flying debris and inhaling gas
- Lighting with risk of being struck or striking pipeline
- Rain causing poor visibility and bad road and field conditions
- Sudden change in weather conditions causing employee to be without shelter
- Static Electricity risk heightened by thunderstorm

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).

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E&B OILFIELD SERVICES INC. RISK ASSESSMENT MATRIX - NOISE

CONSEQUENCE					PROBABILITY				
Severity	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:

- Watch weather forecasts and plan the day appropriately.
- Hail causing damage to vehicle or person: mitigate by driving out of storm and taking shelter
- Wind causing risk of being hit by flying debris and inhaling gas: mitigate by wearing proper PPE, taking shelter and being aware of the direction the wind is blowing
- Lighting with risk of being struck or striking pipeline: mitigate by taking shelter and driving out of storm
- Rain causing poor visibility and bad road and field conditions: mitigate by proceeding out of field, staying alert and driving slowly
- Sudden change in weather conditions causing employee to be without shelter: mitigate by staying in contact with other employees out in the field and monitoring the weather
- Static electricity risk heightened by thunderstorm: mitigate by monitoring weather and being aware of your surroundings

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JSA Sample

The following describes how identified hazards are addressed and mitigated:

Basic Job Step	Hazards and Potential Injury/Risk	Mitigation / Tools
Working in the oil field	Being struck by lightning	Watch the sky and the weather report, take shelter in lightning is present

Other Info

