

<b><i>E&amp;B Oilfield Services Inc.</i></b>	Activity: <b>Loading Equipment and Securing Loads</b> <b>Securing loads</b>		Doc No:	HAZ-ID
			Initial Issue Date	4/15/2015
			Revision Date:	4/15/2016
<b>HAZARD IDENTIFICATION AND ASSESSMENT</b>			Revision No.	1
			Next Revision Date:	4/15/2017
Preparation: Kate Graves	Authority: Danny Abegglen	Issuing Dept: Safety	Page:	1 of 3

## Purpose

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- **Securing loads**

## Key Responsibilities

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

## Hazard and Risk Identification

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Employees MAY be exposed to the following hazards:

- Moving parts causing entanglement
- Chains, binders and straps causing pinches, crushes, struck by
- Equipment falling off trailers causing property damage
- Equipment entry or dismount causing slips, trips or falls
- Sharp disks or metal causing cuts
- Trailer ramps causing muscle joint injury or crushed by
- Debris on trailers flying off causing property damage
- Damaged decking or parts causing trailer failure

## Risk Assessment

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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).

Equipment is trailered to and from work sites daily. Some of the equipment is stationary in nature like pipe or tractor blades. Some are wheeled like backhoes and tractors. Each time a piece of equipment is secured and hauled, there is a new potential for danger.

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**E&B OILFIELD SERVICES INC. RISK ASSESSMENT MATRIX – SECURING LOADS**

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				

<b>Key</b>	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:

- Moving parts causing entanglement: mitigate by not having loose clothing and wearing gloves
- Chains, binders and straps causing pinches, crushes, struck by: mitigate by wearing eye protection and gloves, notify bystanders when throwing chains or straps across loads
- Equipment falling off trailers causing property damage: mitigate by knowing surroundings, using a spotter and securing loads with proper binders and required number of tie downs by law
- Trailer ramps causing muscle joint injury or crushed by: mitigate by using proper lifting techniques, stretching and ask for help
- Equipment entry or dismount causing slips, trips or falls: mitigate by using three points of contact at all times
- Sharp disks or steel causing cuts: mitigate by wearing gloves
- Debris on trailers flying off causing property damage: mitigate by sweeping trailers and truck beds off prior to loading, clean mud off equipment prior to loading
- Damaged decking or parts causing trailer failure: mitigate by inspecting all trailer parts including safety chains, latches, tires, lugs and repair broken wood decking
- Cheater bars are not allowed when chaining
- Snap and ratchet style binders are safer than the lever action load binder

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### JSA Sample

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The following describes how identified hazards are addressed and mitigated:

Basic Job Step	Hazards and Potential Injury/Risk	Mitigation / Tools
Moving equipment by trailer	Smashed hands while chaining	Use only snap and ratchet style binders, gloves and one person on a binder

### Other Info

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