Individuals involved in 5 Whys:

Incident # (HSE Use Only): 20____-

ROOT CAUSE ANALYSIS FORM The 5 Whys - Goal is to find effective solutions

For	Form prepared by:		Date of incident:				
Des	Description of incident:						
	Determine the contributory a	and root causes.					
Define th	ry Effect: he problem nappened)						
Why?							
Why?							
Why?							
Why?							
Why?							

<u>Note:</u> Systematically evaluate the causes and determine which are most likely to be the "root causes". Highlight these root causes and transfer them to section 2



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2. Identify effective solutions						
No.	Identified cause (contributing factors)	Identified control (effective solution)				
	The incident would not have occurred if not for the	The identified causal factor would not have occurred if the				
	presence/absence of these factors	following control had been in place				
1						
2						
_						
3						

Note: Transfer the effective solutions to section 3 below and assign accountability.

3. Corrective actions: Assign responsibility for the effective solutions						
No.	Remedial action plan for each effective solution	Action by who	Action by when	Action Completion sign off		
		(Name)	(Date)	(Manager)		
1						
2						
3						





902-566-0901



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Additional questions (lost time incidents only)							
1. People's positions - if this had been done right, it would have prevented the incident (check all that apply)							
☐ Alignment ☐ Line of fire	□ Overreaching	□ Over exertion □	Repetition	□ N/A			
2. Attention to work – if this had been done right, it would've prevented the incident (check all that apply)							
☐ Awareness of surroundings	□ Eyes on task	☐ Mind on task ☐	Pace	□ N/A			
3. Communication – if this had been done right, it would have prevented the incident (check all that apply)							
□ JHA □ Plan	□ Recognize chang	ge 🔲 Task coordi	ination	□ N/A			
4. Using PPE – was it		5. Execution of work – did you					
In good condition:	yes no	Select right tool:		yes no			
• In use:	yes no	Follow policies:		yes no			
The right type:	yes no	Work safely:		yes no			
		 Use tool properly: 		yes no			
		 Verify tool is in good 	od	yes no			
		condition:					
6. Working conditions – if this had been do	ne right, it would'v	e prevented the incident (ch	neck all that ap	ply)			
☐ Ambient conditions ☐ Clean/cle	ear of clutter	☐ Footing ☐ Guards & barriers					
☐ Tools/equipment put away		☐ Work plan design ☐ N/A					
7. Number the top 3 root causes from the following lists, with 1 being the most influential cause:							
Following procedures (planning)		Tools, equipment and vehicles					
Poor/inadequate/improper planning No SOP/SWP/JHA SOP/SWP/JHA did not identify hazard Not following SOP/SWP/JHA Deviated from SOP/SWP/JHA: plan chan communicated Failure to identify change No pre-inspection Inadequate/no permit, permit not follow Manufacturer recommendations not fol Operation of equipment without author Improper position of posture for task Overexertion/Overreaching of physical of Improper loading Improper loading Shortcutting/rushing — correct way takes	Improper use of equipment, tools, devices Modifying or altering tools/equipment improperly Use of defective equipment Use of defective tools Electrical issue with tool or equipment Improper placement of tools, equipment, or materials Operation of equipment at improper speed Servicing of equipment in operation Inadequate equipment Improperly prepared equipment/tools/vehicles Inadequate tools Not performing an adequate inspection Dropped tool/object Defective vehicle Inadequate vehicle for the purpose Wrong selection of equipment Wrong selection of tool(s)						









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Inattention/lack of awareness/training

No training/non-designated/not qualified Improper/inadequate training Improper decision making or lack of judgement Distracted by other concerns Inattention to footing and surroundings Inattention to body/hand position (crush point) Inattention to body position (line of fire) Inattention to stored energyHorseplay Acts of violenceFailure to warn Use of drugs or alcohol Routine activity without thought Physical capability (fatigue, vision, hearing,

Use of protective methods & systems

PPE not used

Improper use of PPE
Servicing of energized equipment
Equipment or materials not secured
Disabled guards, warning systems or safety devices
PPE not available
Inadequate guards or protective devices (barricades)
Defective guards or protective devices
Inadequate PPE
Defective PPE
Inadequate warning system
Defective warning system
Inadequate isolation of process or equipment
Inadequate safety devices
Defective safety devices

Work exposure to:

Storms or acts of nature

disability)

Fire or explosion
Noise
Energized electrical systems
Energized systems other than electrical
No utility locate
Radiation
Temperature extremes
High winds
Hazardous chemicals
Mechanical hazards

Improper assignment of personnel

Lack of knowledge of hazards present

Inadequate communication

Work Place/environment/layout

Congestion or restricted motion (arrangement/placement)
Inadequate or excessive illumination
Inadequate ventilation
Unprotected height
Inadequate workplace layout
Inadequate access/egress
Inadequate walkways
Inadequate housekeeping
Uneven ground
Wet or slippery surfaces
Tripping hazard



