

RISK ASSESSMENT

BRANCH: AgriMark Grain Kipheuevel
DATE: 08-Jun-21
COMPILED BY: Monique Classen (SHEQ Advisor), Ruyun Coetzee (Manager), Zanelemba Fenge (SHE Representative)

Signature SHEQ Advisor:
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AREA: ENTRANCE

ACTIVITY	HAZARD	RISK	S/H/E/A	SEVERITY	LIKELIHOOD	RAW RISK RATING	CONTROL MEASURES	SEVERITY	LIKELIHOOD	RESIDUAL RISK RATING	
Vehicle enters premises	Movement of people and other vehicles	Collision-people, vehicles, objects, infrastructure	S	5 - Catastrophic	A- Rare	A5 - Medium	*Demarcated walkways *Clearly indicate which side of the road entrance and exits is location	5 - Catastrophic	A- Rare	A5 - Medium	
				A	C- Occasional	C3 - Medium		3 - Moderate	A- Rare	A3 - Low	
				S	A- Rare	A5 - Medium		*Speed limit signage *Site rules signage	3 - Catastrophic	A- Rare	A5 - Medium
				A	C- Occasional	C3 - Medium		3 - Moderate	A- Rare	E3 - Low	
Taking sample	Working at heights	Injury/fatality due to falling from height	S	4 - Major	C- Occasional	C4 - High	*Wearing of safety harness *Sampling procedure *Working at Height procedure	4 - Major	A- Rare	A4 - Low	
				S	B- Unlikely	B4 - Medium		2 - Minor	A- Rare	A4 - Low	
				A	D- Regular	D2 - Medium		*Engineering Control (Create safe for spiral probe) *Demarcated walkways *Clearly indicate which side of the road entrance and exits is location	2 - Minor	B- Unlikely	B2 - Low
				A	D- Regular	D2 - Medium		2 - Minor	B- Unlikely	B2 - Low	
Vehicle drive to weighbridge	Foreign objects in grain	Damage to the spiral probe	A	2 - Minor	D- Regular	D2 - Medium	*Engineering Control (Create safe for spiral probe) *Demarcated walkways *Clearly indicate which side of the road entrance and exits is location	2 - Minor	B- Unlikely	B2 - Low	
				S	A- Rare	A5 - Medium		3 - Catastrophic	A- Rare	A5 - Medium	
				A	C- Occasional	C3 - Medium		3 - Moderate	A- Rare	A3 - Low	
				A	C- Occasional	C3 - Medium		3 - Moderate	A- Rare	A3 - Low	
AREA: OFFICE											
ACTIVITY	HAZARD	RISK	S/H/E/A	SEVERITY	LIKELIHOOD	RAW RISK RATING	CONTROL MEASURES	SEVERITY	LIKELIHOOD	RESIDUAL RISK RATING	
Operating equipment in Office/Kitchen	Damage / faulty Electrical Equipment	Asset damage due to fire	A	3 - Moderate	A- Rare	A3 - Low	*Maintenance Procedure *Inspection of electrical equipment *Machine inspection register	3 - Moderate	A- Rare	A3 - Low	
				S	A- Rare	A4 - Low		4 - Major	A- Rare	A4 - Low	
				S	A- Rare	A4 - Low		4 - Major	A- Rare	A4 - Low	
				S	A- Rare	A4 - Low		4 - Major	A- Rare	A4 - Low	
Working in kitchen	Boiling water in kettle	Burn caused by boiling water in kettle	S	3 - Moderate	A- Rare	A3 - Low	*SHE representative inspection register for use of kettle *Inspection of electrical equipment *Machine inspection register *Maintenance Procedure	3 - Moderate	A- Rare	A3 - Low	
				S	A- Rare	A4 - Low		4 - Major	A- Rare	A4 - Low	
				S	A- Rare	A4 - Low		4 - Major	A- Rare	A4 - Low	
				S	A- Rare	A4 - Low		4 - Major	A- Rare	A4 - Low	
Working in kitchen	Damage / faulty Electrical Equipment	Injury / asset damage due to fire	A	3 - Moderate	A- Rare	A3 - Low	*SHE representative inspection register for use of kettle *Inspection of electrical equipment *Machine inspection register *Maintenance Procedure	3 - Moderate	A- Rare	A3 - Low	
				S	A- Rare	A4 - Low		4 - Major	A- Rare	A4 - Low	
				S	A- Rare	A4 - Low		4 - Major	A- Rare	A4 - Low	
				S	A- Rare	A4 - Low		4 - Major	A- Rare	A4 - Low	
Working in kitchen	Boiling water from kettle	Burn caused by boiling water in kettle	S	3 - Moderate	A- Rare	A3 - Low	*SHE representative inspection register for use of kettle *Inspection of electrical equipment *Machine inspection register *Maintenance Procedure	3 - Moderate	A- Rare	A3 - Low	
				S	A- Rare	A4 - Low		4 - Major	A- Rare	A4 - Low	
				S	A- Rare	A4 - Low		4 - Major	A- Rare	A4 - Low	
				S	A- Rare	A4 - Low		4 - Major	A- Rare	A4 - Low	

Operating Grading Equipment	Boiling water (BV)	Burn caused by boiling water and hot equipment	S	3 - Moderate	A - Rare	A3 - Low	*Wearing of correct PPE *Operating Grading Equipment Procedure *Maintenance Procedure	3 - Moderate	A - Rare	A3 - Low
	Moving equipment (Shaker)	Injury caused by loose equipment	S	4 - Major	A - Rare	A4 - Low		4 - Major	A - Rare	A4 - Low

AREA: WEIGHBRIDGE

ACTIVITY	HAZARD	RISK	S/H/E/A	SEVERITY	LIKELIHOOD	RAW RISK RATING	CONTROL MEASURES	SEVERITY	LIKELIHOOD	RESIDUAL RISK RATING
Vehicle stop on weighbridge	Vehicle unattended while ignition is on/ parking brakes fail	Run away vehicle causing collision - people Run away vehicle causing collision - property	S A	4 - Major 3 - Moderate	A - Rare A - Rare	A4 - Low A3 - Low	*Weighbridge Operation Procedure *Weighbridge Operation Procedure *Speed limit sign *Notice sign	4 - Major 3 - Moderate 3 - Moderate	A - Rare A - Rare A - Rare	A4 - Low A3 - Low A3 - Low
	Speeding onto or off weighbridge	Damage to load-cell	A	3 - Moderate	C - Occasionally	C3 - Medium		3 - Moderate	A - Rare	A3 - Low

AREA: OFF LOADING

ACTIVITY	HAZARD	RISK	S/H/E/A	SEVERITY	LIKELIHOOD	RAW RISK RATING	CONTROL MEASURES	SEVERITY	LIKELIHOOD	RESIDUAL RISK RATING
Driving to off-loading area	Movement of people and other vehicles	Collision-people, vehicles, objects, infrastructure	S A	5 - Catastrophic 3 - Moderate	A - Rare C - Occasional	A5 - Medium C3 - Medium	*Demarcated walkways *Clearly indicate which side of the road entrance and exits is location	5 - Catastrophic 3 - Moderate	A - Rare A - Rare	A5 - Medium A3 - Low
			S	5 - Catastrophic	A - Rare	A5 - Medium	*Speed limit signage *Site rules signage	5 - Catastrophic	A - Rare	A5 - Medium
	Speeding and reckless driving	Collision-people, vehicles, objects, infrastructure	A	3 - Moderate	C - Occasional	C3 - Medium		3 - Moderate	A - Rare	A3 - Low
	Dust from grain	Suffocation from inhaling the dust	S H	4 - Major 3 - Moderate	B - Unlikely B - Unlikely	B4 - Medium B3 - Low	*Wearing correct PPE *Fitness to Work *Wearing correct PPE *Wearing correct PPE *Wearing correct PPE	4 - Major 3 - Moderate 2 - Minor	A - Rare A - Rare A - Rare	A4 - Low A3 - Low A3 - Low
			S	3 - Moderate	B - Unlikely	B3 - Low		3 - Moderate	A - Rare	A3 - Low
	Dust, grain particles and other objects	Injury to eyes due to dust and foreign objects Allergies due to dust/product	H H	3 - Moderate 3 - Moderate	B - Unlikely C - Occasional	B3 - Low C3 - Medium	*Wearing correct PPE *Fitness to Work *Wearing correct PPE	3 - Moderate 3 - Moderate	A - Rare A - Rare	A3 - Low A3 - Low
	The lifting of the upper trailer	Damage to property	A	4 - Major	D - Regular	D4 - High	*Height restriction board *Offloading Procedure	4 - Major	A - Rare	A4 - Low
	Noise above the exposure limit	Hearing loss due to noise above exposure limit	H	3 - Moderate	C - Occasional	C3 - Medium	*Wearing correct PPE *Fitness to Work *Wearing correct PPE	3 - Moderate	A - Rare	A3 - Low
	Constant moving vehicle while offloading	Injury to people at the offloading zone Damage to property	S A	4 - Major 4 - Major	B - Unlikely D - Regular	B4 - Medium D4 - High	*Wearing correct PPE *Fitness to Work *Wearing correct PPE *Wearing correct PPE *Wearing correct PPE	4 - Major 4 - Major	A - Rare A - Rare	A4 - Low A4 - Low
			S	3 - Moderate	C - Occasional	C3 - Medium		3 - Moderate	A - Rare	A3 - Low
Manual offloading	Dust from grain	Suffocation from inhaling the dust	S	4 - Major	B - Unlikely	B4 - Medium	*Wearing correct PPE *Fitness to Work *Wearing correct PPE	4 - Major	A - Rare	A4 - Low
	Lung disease due to inhalation of dust	Lung disease due to inhalation of dust	H	3 - Moderate	B - Unlikely	B3 - Low		3 - Moderate	A - Rare	A3 - Low
	Injury to eyes due to dust and foreign objects	Injury to eyes due to dust and foreign objects	S	3 - Moderate	B - Unlikely	B3 - Low	*Wearing correct PPE	3 - Moderate	A - Rare	A3 - Low
	Dust, grain particles and other objects	Allergies due to dust/product	H	3 - Moderate	C - Occasional	C3 - Medium	*Fitness to Work *Wearing correct PPE	3 - Moderate	A - Rare	A3 - Low
	Pressure on the sludge gate	Injury caused by sludge gate	S	4 - Major	D - Regular	D4 - High	*Offloading Procedure *Wearing correct PPE	4 - Major	A - Rare	A4 - Low
	Constant moving vehicle while offloading	Injury to people at the offloading zone	S	4 - Major	B - Unlikely	B4 - Medium	*Offloading Procedure *Wearing correct PPE *Working at heights *Training for working at heights	4 - Major	A - Rare	A4 - Low
Climbing on top of the wagon	Injury due to slipping and falling from wagon		S	4 - Major	B - Unlikely	B4 - Medium		4 - Major	A - Rare	A4 - Low

Drive to weighbridge	Working at heights	Injury due to falling from height	S	4 - Major	C - Occasional	C4 - High	* Wearing of safety harness * Working at heights Procedure	4 - Major	A - Rare	A5 - Low
	Sharp objects in the wagon	Injury to hand/arm caused by sharp objects while cleaning	S	3 - Moderate	C - Occasional	C3 - Medium	* Wearing correct PPE * Offloading Procedure	3 - Moderate	A - Rare	A5 - Low
	Movement of people and other vehicles	Collision-people, vehicles, objects, infrastructure	S	5 - Catastrophic	A - Rare	A5 - Medium	* Demarcated walkways * Clearly indicate which side of the road entrance and exits is location	5 - Catastrophic	A - Rare	A5 - Low
	Speeding and reckless driving	Collision-people, vehicles, objects, infrastructure	A	3 - Moderate	C - Occasional	C3 - Medium	* Speed limit signage * Site rules signage	3 - Moderate	A - Rare	A5 - Low
	Driving with upper trailer lifted	Track over turn resulting in injury to people Track over turn resulting to damage to property	S	4 - Major	B - Unlikely	B4 - Medium	* Offloading Procedure * Visual inspection	4 - Major	A - Rare	A4 - Low
	Speeding onto or off weighbridge	Damage to load-cell	A	3 - Moderate	C - Occasionally	C3 - Medium	* Speed limit sign * Notice sign	3 - Moderate	A - Rare	A3 - Low

AREA: LOADING ZONE

ACTIVITY	HAZARD	RISK	S/H/E/A	SEVERITY	LIKELIHOOD	RAW RISK RATING	CONTROL MEASURES	SEVERITY	LIKELIHOOD	RESIDUAL RISK RATING
Driving to loading zone	Movement of people and other vehicles	Collision-people, vehicles, objects, infrastructure	S	5 - Catastrophic	A - Rare	A5 - Medium	* Demarcated walkways * Clearly indicate which side of the road entrance and exits is location	5 - Catastrophic	A - Rare	A5 - Medium
	Speeding and reckless driving	Collision-people, vehicles, objects, infrastructure	A	3 - Moderate	C - Occasionally	C3 - Medium	* Speed limit signage * Site rules signage	3 - Moderate	A - Rare	A5 - Medium
	Speeding off weighbridge	Damage to load-cell	A	3 - Moderate	C - Occasionally	C3 - Medium	* Speed limit sign * Notice sign	3 - Moderate	A - Rare	A3 - Low
	Climbing on top of the wagon	Injury due to slipping and falling from wagon	S	4 - Major	B - Unlikely	B4 - Medium	* Pre-loading inspection * Training for working at heights	4 - Major	A - Rare	A4 - Low
	Working at heights	Falling from height	S	4 - Major	C - Occasional	C4 - High	* Wearing of safety harness * Working at heights Procedure	4 - Major	A - Rare	A4 - Low
Loading, Sampling during loading	Climbing on top of the wagon	Injury due to slipping and falling from climbing the wagon	S	4 - Major	B - Unlikely	B4 - Medium	* Wearing of safety harness * Working at heights Procedure	4 - Major	A - Rare	A4 - Low
	Working at heights	Injury due to falling from height	S	4 - Major	C - Occasional	C4 - High	* Wearing of safety harness * Working at heights Procedure	4 - Major	A - Rare	A4 - Low
	Dust from grain	Suffocation from inhaling the dust	S	4 - Major	B - Unlikely	B4 - Medium	* Wearing correct PPE * Fitness to work Procedure * Medical Surveillance	4 - Major	A - Rare	A4 - Low
		Lung disease due to inhalation of dust	H	3 - Moderate	B - Unlikely	B3 - Low	* Wearing correct PPE * Fitness to work Procedure	3 - Moderate	A - Rare	A3 - Low
		Injury to eyes due to dust and foreign objects	S	3 - Moderate	B - Unlikely	B3 - Low	* Wearing correct PPE * Fitness to work Procedure	3 - Moderate	A - Rare	A3 - Low
	Dust, grain particles and other objects	Allergies due to dust/product	H	3 - Moderate	C - Occasional	C3 - Medium	* Wearing correct PPE * Fitness to work Procedure	3 - Moderate	A - Rare	A3 - Low
	Working at height sitting/standing on the edge of the wagon	Injury due to falling from height	S	4 - Major	C - Occasional	C4 - High	* Construct platform * Working at heights Procedure * Construct platform * Loading Procedure	4 - Major	A - Rare	A4 - Low
	Walking on top of the grain	Injury caused by sinking into grain	S	4 - Major	B - Unlikely	B4 - Medium	* Operating of sampling probe procedure * Demarcated walkways * Clearly indicate which side of the road entrance and exits is location	4 - Major	A - Rare	A4 - Low
	Use of old sampling probe	Injury to hands	S	2 - Minor	C - Occasional	C2 - Low	* Loading Procedure	2 - Minor	A - Rare	A2 - Low
	Movement of people and other vehicles	Collision-people, vehicles, objects, infrastructure	A	3 - Moderate	C - Occasional	C3 - Medium	* Speed limit signage * Site rules signage	3 - Moderate	A - Rare	A3 - Low
Driving to weighbridge	Speeding and reckless driving	Collision-people, vehicles, objects, infrastructure	A	3 - Moderate	C - Occasionally	C3 - Medium	* Speed limit signage * Site rules signage	3 - Moderate	A - Rare	A3 - Low

	Speeding onto or off weighbridge	Damage to load-cell	A	3 - Moderate	C - Occasionally	C3 - Medium	* Speed limit sign * Notice sign	3 - Moderate	A - Rare	A3 - Low
AREA: EXIT										
ACTIVITY	HAZARD	RISK	S/H/E/A	SEVERITY	LIKELIHOOD	RAW RISK RATING	CONTROL MEASURES	SEVERITY	LIKELIHOOD	RESIDUAL RISK RATING
Drive from weighbridge to exit	Movement of people and other vehicles	Collision-people, vehicles, objects, infrastructure	S	3 - Catastrophic	A - Rare	A5 - Medium	* Demarcated walkways	3 - Catastrophic	A - Rare	A5 - Medium
			A	3 - Moderate	C - Occasional	C3 - Medium	* Clearly indicate which side of the road entrance and exits is location	3 - Moderate	A - Rare	A3 - Low
			S	3 - Catastrophic	A - Rare	A5 - Medium	* Speed limit signage	3 - Catastrophic	A - Rare	A5 - Medium
			A	3 - Moderate	C - Occasional	C3 - Medium	* Site rules signage	3 - Moderate	A - Rare	A3 - Low
	Speeding off weighbridge	Damage to load-cell	A	3 - Moderate	C - Occasionally	C3 - Medium	* Speed limit sign * Notice sign	3 - Moderate	A - Rare	A3 - Low
AREA: SILO BIN FULL										
ACTIVITY	HAZARD	RISK	S/H/E/A	SEVERITY	LIKELIHOOD	RAW RISK RATING	CONTROL MEASURES	SEVERITY	LIKELIHOOD	RESIDUAL RISK RATING
Fumigation, from the top, through the fumigation box and hopper	Working at heights	Injury due to falling from height	S	4 - Major	C - Occasional	C4 - High	* Working at heights training * Wearing of safety harness * Working at heights Procedure	4 - Major	A - Rare	A4 - Low
			S	4 - Major	B - Unlikely	B4 - Medium	* Fumigation Procedure	4 - Major	A - Rare	A4 - Low
			S	4 - Major	B - Unlikely	B4 - Medium	* Training on fumigation * Wearing correct PPE * Fumigation Procedure	4 - Major	A - Rare	A4 - Low
			A	4 - Major	B - Unlikely	B4 - Medium	* Training on fumigation * Visual inspection * Fumigation Procedure	4 - Major	A - Rare	A4 - Low
	Throwing tablets into moist environment	Asset damage due to fire from reaction of chemicals with water	A	4 - Major	B - Unlikely	B4 - Medium	* Training on fumigation * Wearing correct PPE * Monitoring equipment * Fumigation Procedure	5 - Catastrophic	A - Rare	A5 - Medium
Monitoring of gas	Hazardous gases leaking from the bin	Health risk due to inhalation of gases	H	5 - Catastrophic	B - Unlikely	B5 - High	* Wearing correct PPE * Training on fumigation * Monitoring equipment * Fumigation Procedure	5 - Catastrophic	A - Rare	A5 - Medium
Dipping and check for insects and moisture	Working at heights	Injury due to falling from height	S	4 - Major	C - Occasional	C4 - High	* Working at heights training * Wearing of safety harness * Working at heights Procedure	4 - Major	A - Rare	A4 - Low
			S	4 - Major	B - Unlikely	B4 - Medium	* Wearing correct PPE * Training on housekeeping of bins * Housekeeping of bins Procedure	4 - Major	A - Rare	A4 - Low
			H	4 - Major	B - Unlikely	B4 - Medium		4 - Major	A - Rare	A4 - Low
AREA: SILO BIN EMPTY										
ACTIVITY	HAZARD	RISK	S/H/E/A	SEVERITY	LIKELIHOOD	RAW RISK RATING	CONTROL MEASURES	SEVERITY	LIKELIHOOD	RESIDUAL RISK RATING
Cleaning the bin	Hazardous fumes	Health risk due to inhalation of fumes	H	4 - Major	B - Unlikely	B4 - Medium	* PPE * Housekeeping of Bins Procedure * Monitoring equipment	4 - Major	A - Rare	A4 - Low
			S	4 - Major	B - Unlikely	B4 - Medium	* PPE * Fitness to work Procedure * Medical Surveillance * Housekeeping of Bins Procedure	4 - Major	A - Rare	A4 - Low
			H	3 - Moderate	B - Unlikely	B3 - Low	* PPE * Fitness to work Procedure * Medical Surveillance * Housekeeping of Bins	3 - Moderate	A - Rare	A3 - Low
			H	3 - Moderate	B - Unlikely	B3 - Low	* Intrinsically safe lamp * Housekeeping of Bins Procedure	3 - Moderate	A - Rare	A3 - Low
	Dust from grain	Lung disease due to inhalation of dust	H	3 - Moderate	B - Unlikely	B3 - Low		3 - Moderate	A - Rare	A3 - Low
	Insufficient lighting	Vision impairment caused by working in an area with insufficient lighting	H	3 - Moderate	B - Unlikely	B3 - Low		3 - Moderate	A - Rare	A3 - Low
	Working at heights	Injury due to falling from height	S	4 - Major	B - Unlikely	B4 - Medium	* Working at heights training * Wearing of safety harness * Working at heights Procedure * Medical Surveillance	4 - Major	A - Rare	A4 - Low

	High temperatures	Heat stroke due to working inside the silo at extremely high temperatures	H	2 - Minor	B - Unlikely	B2 - Low	*Cleaning of Bins Procedure	2 - Minor	A - Rare	A2 - Low
Sparring pesticides from inside the silo bin	Hazardous fumes	Fatality due to inhalation of hazardous fumes	H	3 - Catastrophic	B - Unlikely	B5 - High	*PPE *Training on using pesticides *Pesticides Program Procedure *Medical Surveillance	3 - Catastrophic	A - Rare	A3 - Medium
	Working at heights	Injury due to falling from height	S	4 - Major	C - Occasional	C4 - High	*Working at heights training *Wearing of safety harness *Working at Heights Procedure *Medical Surveillance	4 - Major	A - Rare	A4 - Low
Visual inspection	Hazardous fumes	Health risk due to inhalation of Hazardous fumes	H	4 - Major	B - Unlikely	B4 - Medium	*Monitoring equipment *PPE *Training on monitoring equipment *Inspection registers for monitoring equipment *Calibration certificate	4 - Major	A - Rare	A4 - Low
	Working at heights	Injury due to falling from heights	S	4 - Major	C - Occasional	C4 - High	*Working at heights training *Wearing of safety harness *Working at Heights Procedure *Medical Surveillance	4 - Major	A - Rare	A4 - Low

AREA: CONTROL ROOM

[illegible]

AREA: CANTEN & ABLUTION FACILITIES

ACTIVITY	HAZARD	RISK	S/E/LA	SEVERITY	LIKELIHOOD	RAW RISK RATING	CONTROL MEASURES	SEVERITY	LIKELIHOOD	RESIDUAL RISK RATING
ACTIVITY	HAZARD	RISK	S/E/LA	SEVERITY	LIKELIHOOD	RAW RISK RATING	CONTROL MEASURES	SEVERITY	LIKELIHOOD	RESIDUAL RISK RATING
Preparing food	Damage / faulty electrical equipment	Injury/fatality due to electrocution	S	4 - Major	A - Rare	A4 - Low	<ul style="list-style-type: none"> • Inspection of Electrical Equipment • Equipment Maintenance 	4 - Major	A - Rare	A4 - Low
Moving around the canteen	Cables and loose items	Injury due to tripping and falling	S	4 - Major	B - Unlikely	B4 - Medium	<ul style="list-style-type: none"> • Site representative • Housekeeping and Hygiene Procedure 	4 - Major	A - Rare	A4 - Low
Cleaning of Canteen & abutment facilities	Hazardous cleaning chemicals	Injury due to exposure to hazardous chemicals	H	2 - Minor	A - Rare	A2 - Low	<ul style="list-style-type: none"> • MSDS • MSDS Training 	2 - Minor	A - Rare	A2 - Low

AREA: RAILWAY

ACTIVITY	HAZARD	RISK	S/H/E/A	SEVERITY	LIKELIHOOD	RAW RISK RATING	CONTROL MEASURE/S	SEVERITY	LIKELIHOOD	RESIDUAL RISK RATING
Walking adjacent to/along the operational railway	Struck by a Train	Fatality/Injury due to being struck by train	S	+ - Major	A - Rare	A4 - Low		+ - Major	A - Rare	A4 - Low
	Runaway wagons	Fatality/Injury due to being struck by wagon	S	+ - Major	A - Rare	B4 - Medium	* Safe Work Procedure Sliding	+ - Major	A - Rare	A4 - Low
	Runaway wagons	Derailment and damage to property	A	+ - Major	A - Rare	B4 - Medium	* Safe Work Procedure Sliding	+ - Major	A - Rare	A4 - Low
Shunting of railway wagons	Climbing on top of the wagon	Injury due to slipping and falling from wagon	S	+ - Major	B - Unlikely	B4 - Medium	*Pre-loading inspection *Training for working at heights	+ - Major	A - Rare	A4 - Low
	Working at heights	Falling from height	S	+ - Major	C - Occasional	C4 - High	* Wearing of safety harness *Working at heights Procedure	+ - Major	A - Rare	A4 - Low
Pre-loading inspection	Climbing on top of the wagon	Injury due to slipping and falling from climbing the wagon	S	+ - Major	B - Unlikely	B4 - Medium	* Wearing of safety harness *Working at heights Procedure	+ - Major	A - Rare	A4 - Low

Loading, Sampling during loading	Working at heights	Injury due to falling from height	S	4 - Major	C - Occasional	C4 - High	* Wearing of safety harness * Working at heights * Procedure	4 - Major	A - Rare	A4 - Low
	Dust from grain	Struck from inhaling the dust	S	4 - Major	B - Unlikely	B4 - Medium	* Wearing correct PPE * Fitness to work Procedure * Medical Surveillance	4 - Major	A - Rare	A4 - Low
		Lung disease due to inhalation of dust	H	3 - Moderate	B - Unlikely	B3 - Low	* Wearing correct PPE * Fitness to work Procedure	3 - Moderate	A - Rare	A3 - Low
	Dust, grain particles and other objects	Injury to eyes due to dust and foreign objects	S	3 - Moderate	B - Unlikely	B3 - Low	* Wearing correct PPE * Fitness to work Procedure	3 - Moderate	A - Rare	A3 - Low
		Allergies due to dust/product	H	3 - Moderate	C - Occasional	C3 - Medium	* Wearing correct PPE * Fitness to work Procedure	3 - Moderate	A - Rare	A3 - Low
	Working at height sitting/standing on the edge of the wagon	Injury due to falling from height	S	4 - Major	C - Occasional	C4 - High	* Construct platform * Working at heights * Procedure * Loading Procedure	4 - Major	A - Rare	A4 - Low
	Walking on top of the grain	Injury caused by sinking into grain	S	4 - Major	B - Unlikely	B4 - Medium	* Construct platform * Working at heights * Procedure * Loading Procedure	4 - Major	A - Rare	A4 - Low
	Use of old sampling probe	Injury to hands	S	2 - Minor	C - Occasional	C2 - Low	* Opening of sampling * probe procedure	2 - Minor	A - Rare	A2 - Low

Zanethenka Fenege
22/06/21

Rhys Catzee
22/06/2021

Monique Classen

22 June 2021

RISK ASSESSMENT

BRANCH: Agrimark Grain Klipheuwel
DATE: 08-Jun-21
COMPILED BY: Monique Classen (SHEQ Advisor); Rhyan Coetzee (Manager); Zanethemba Fenge (SHE Representative)

Signature SHEQ Advisor:
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AREA: ENTRANCE

ACTIVITY	HAZARD	RISK	S/H/E/A	SEVERITY	LIKELIHOOD	RAW RISK RATING	CONTROL MEASURE/S	SEVERITY	LIKELIHOOD	RESIDUAL RISK RATING
Vehicle enters premises	Movement of people and other vehicles	Collision-people, vehicles, objects, infrastructure	S	5 - Catastrophic	A- Rare	A5 - Medium	*Demarcated walkways *clearly indicate which side of the road entrance and exits is location	5 - Catastrophic	A- Rare	A5 - Medium
			A	3 - Moderate	C- Occasional	C3 - Medium		3 - Moderate	A- Rare	A3 - Low
	Speeding and reckless driving	Collision-people, vehicles, objects, infrastructure	S	5 - Catastrophic	A- Rare	A5 - Medium	*Speed limit signage *Site rules signage	5 - Catastrophic	A- Rare	A5 - Medium
			A	3 - Moderate	C- Occasional	C3 - Medium		3 - Moderate	A- Rare	A3 - Low
Taking sample	Working at heights	Injury/fatality due to falling from height	S	4 - Major	C- Occasional	C4 - High	* Wearing of safety harness *Sampling procedure * Working at Height procedure	4 - Major	A- Rare	A4 - Low
	Vehicle moves while samples are being taken	Injury/fatality due to falling from height	S	4 - Major	B - Unlikely	B4 - Medium		4 - Major	A- Rare	A4- Low
		Damage of probe being caught by vehicle	A	2 - Minor	D - Regular	D2 - Medium	*Sampling procedure	2 - Minor	B - Unlikely	B2 - Low
	Foreign objects in grain	Damage to the spiral probe	A	2 - Minor	D - Regular	D2 - Medium	* Engineering Control (Create sieve for spiral probe)	2 - Minor	B - Unlikely	B2 - Low
Vehicle drive to weighbridge	Movement of people and other vehicles	Collision-people, vehicles, objects, infrastructure	S	5 - Catastrophic	A- Rare	A5 - Medium	*Demarcated walkways *clearly indicate which side of the road entrance and exits is location	5 - Catastrophic	A- Rare	A5 - Medium
			A	3 - Moderate	C- Occasional	C3 - Medium		3 - Moderate	A- Rare	A3 - Low

AREA: OFFICE

ACTIVITY	HAZARD	RISK	S/H/E/A	SEVERITY	LIKELIHOOD	RAW RISK RATING	CONTROL MEASURE/S	SEVERITY	LIKELIHOOD	RESIDUAL RISK RATING
Operating equipment in Office/kitchen	Damage / faulty Electrical Equipment	Injury due to electrocution	S	4 - Major	A- Rare	A4 - Low	* Inspection of electrical equipment, *Machine inspection register * Maintenance Procedure	4 - Major	A- Rare	A4 - Low
		Injury due to fire	S	4 - Major	A- Rare	A4 - Low		4 - Major	A- Rare	A4 - Low
		Asset damage due to fire	A	3 - Moderate	A- Rare	A3 - Low		3 - Moderate	A- Rare	A3 - Low
		Injury due to tripping	S	4 - Major	B - Unlikely	B4 - Medium	*SHE representative inspection register	4 - Major	A- Rare	A4 - Low
	Boiling water in kettle	Burn caused by boiling water in kettle	S	3 - Moderate	A- Rare	A3 - Low	*Instruction poster for use of kettle	3 - Moderate	A- Rare	A3 - Low
Working in kitchen	Damage / faulty Electrical Equipment	Injury due to electrocution	S	4 - Major	A- Rare	A4 - Low	* Inspection of electrical equipment, *Machine inspection register * Maintenance Procedure	4 - Major	A- Rare	A4 - Low
			S	4 - Major	A- Rare	A4 - Low		4 - Major	A- Rare	A4 - Low
			A	3 - Moderate	A- Rare	A3 - Low		3 - Moderate	A- Rare	A3 - Low
		Injury / asset damage due to fire	A	3 - Moderate	A- Rare	A3 - Low	* SHE representative inspection register	4 - Major	A- Rare	A4 - Low
		Injury due to tripping	S	4 - Major	C- Occasional	C4 - High				
	Boiling water from kettle	Burn caused by boiling water in kettle	S	3 - Moderate	A- Rare	A3 - Low	*Instruction for use of kettle	3 - Moderate	A- Rare	A3 - Low

Operating Grading Equipment	Boiling water (FN)	Burn caused by boiling water and hot equipment	S	3 - Moderate	A- Rare	A3 - Low	*Wearing of correct PPE *Operating Grading Equipment Procedure *Maintenance Procedure	3 - Moderate	A- Rare	A3 - Low
	Moving equipment (Shaker)	Injury caused by loose equipment	S	4 - Major	A- Rare	A4 - Low		4 - Major	A- Rare	A4 - Low
AREA: WEIGHBRIDGE										
ACTIVITY	HAZARD	RISK	S/H/E/A	SEVERITY	LIKELIHOOD	RAW RISK RATING	CONTROL MEASURE/S	SEVERITY	LIKELIHOOD	RESIDUAL RISK RATING
Vehicle stop on weighbridge	Vehicle unattended while ignition is on/ parking brakes fail	Run away vehicle causing collision - people	S	4 - Major	A- Rare	A4 - Low	*Weighbridge Operation Procedure	4 - Major	A - Rare	A4 - Low
		Run away vehicle causing collision - property	A	3 - Moderate	A- Rare	A3 - Low	*Weighbridge Operation Procedure	3 - Moderate	A - Rare	A3 - Low
	Speeding onto or off weighbridge	Damage to load-cell	A	3 - Moderate	C - Occasionally	C3 - Medium	* Speed limit sign * Notice sign	3 - Moderate	A - Rare	A3 - Low
AREA: OFF LOADING										
ACTIVITY	HAZARD	RISK	S/H/E/A	SEVERITY	LIKELIHOOD	RAW RISK RATING	CONTROL MEASURE/S	SEVERITY	LIKELIHOOD	RESIDUAL RISK RATING
Driving to off-loading area	Movement of people and other vehicles	Collision-people, vehicles, objects, infrastructure	S	5 - Catastrophic	A- Rare	A5 - Medium	*Demarcated walkways *clearly indicate which side of the road entrance and exits is location	5 - Catastrophic	A- Rare	A5 - Medium
			A	3 - Moderate	C- Occasional	C3 - Medium		3 - Moderate	A- Rare	A3 - Low
	Speeding and reckless driving	Collision-people, vehicles, objects, infrastructure	S	5 - Catastrophic	A- Rare	A5 - Medium	*Speed limit signage	5 - Catastrophic	A- Rare	A5 - Medium
			A	3 - Moderate	C- Occasional	C3 - Medium	*Site rules signage	3 - Moderate	A- Rare	A3 - Low
Tipping the load	Dust from grain	Suffocation from inhaling the dust	S	4 - Major	B - Unlikely	B4 - Medium	* Wearing correct PPE * Fitness to Work Procedure	4 - Major	A- Rare	A4 - Low
		Lung disease due to inhalation of dust	H	3 - Moderate	B - Unlikely	B3 - Low	* Wearing correct PPE * Fitness to Work Procedure	3 - Moderate	A- Rare	A3 - Low
	Dust, grain particles and other objects	Injury to eyes due to dust and foreign objects	S	3 - Moderate	B - Unlikely	B3 - Low	* Wearing correct PPE	2 - Minor	A- Rare	A2 - Low
		Allergies due to dust/product	H	3 - Moderate	C- Occasional	C3 - Medium	* Fitness to Work Procedure	3 - Moderate	A- Rare	A3 - Low
	The lifting of the tipper trailer	Damage to property	A	4 - Major	D - Regular	D4 - High	* Height restriction board *Offloading Procedure	4 - Major	A- Rare	A4- Low
	Noise above the exposure limit	Hearing loss due to noise above exposure limit	H	3 - Moderate	C- Occasional	C3 - Medium	* Wearing correct PPE * Fitness to Work Procedure	3 - Moderate	A- Rare	A3 - Low
	Constant moving vehicle while offloading	Injury to people at the offloading zone	S	4 - Major	B - Unlikely	B4 - Medium	*Offloading Procedure *Wearing correct PPE	4 - Major	A- Rare	A4- Low
		Damage to property	A	4 - Major	D - Regular	D4 - High	* Height restriction board to be installed * Offloading Procedure	4 - Major	A- Rare	A4- Low
Manual offloading	Dust from grain	Suffocation from inhaling the dust	S	4 - Major	B - Unlikely	B4 - Medium	* Wearing correct PPE * Fitness to Work Procedure	4 - Major	A- Rare	A4 - Low
		Lung disease due to inhalation of dust	H	3 - Moderate	B - Unlikely	B3 - Low		3 - Moderate	A- Rare	A3 - Low
	Dust, grain particles and other objects	Injury to eyes due to dust and foreign objects	S	3 - Moderate	B - Unlikely	B3 - Low	* Wearing correct PPE	3 - Moderate	A- Rare	A3 - Low
		Allergies due to dust/product	H	3 - Moderate	C- Occasional	C3 - Medium	* Fitness to Work Procedure	3 - Moderate	A- Rare	A3 - Low
	Pressure on the sluice gate	Injury caused by sluice gate	S	4 - Major	D - Regular	D4 - High	*Offloading Procedure	4 - Major	A- Rare	A4 - Low
	Constant moving vehicle while offloading	Injury to people at the offloading zone	S	4 - Major	B - Unlikely	B4 - Medium	*Offloading Procedure *Wearing correct PPE	4 - Major	A- Rare	A4 - Low
	Climbing on top of the wagon	Injury due to slipping and falling from wagon	S	4 - Major	B - Unlikely	B4 - Medium	*Offloading Procedure and Working at heights Procedure *Training for working at heights	4 - Major	A- Rare	A4- Low

	Working at heights	Injury due to falling from height	S	4 - Major	C- Occasional	C4 - High	* Wearing of safety harness *Working at heights Procedure	4 - Major	A- Rare	A4- Low
	Sharp objects in the wagon	Injury to hand/feet caused by sharp objects while cleaning.	S	3 - Moderate	C- Occasional	C3 - Medium	*Wearing correct PPE *Offloading Procedure	3 - Moderate	A- Rare	A3 - Low
Drive to weighbridge	Movement of people and other vehicles	Collision-people, vehicles, objects, infrastructure	S	5 - Catastrophic	A- Rare	A5 - Medium	*Demarcated walkways *clearly indicate which side of the road entrance and exits is location	5 - Catastrophic	A- Rare	A5 - Low
			A	3 - Moderate	C- Occasional	C3 - Medium		3 - Moderate	A- Rare	A3 - Low
	Speeding and reckless driving	Collision-people, vehicles, objects, infrastructure	S	5 - Catastrophic	A- Rare	A5 - Medium	*Speed limit signage	5 - Catastrophic	A- Rare	A5 - Medium
			A	3 - Moderate	C- Occasional	C3 - Medium	*Site rules signage	3 - Moderate	A- Rare	A3 - Low
	Driving with tipper trailer lifted	Truck over turn resulting in injury to people	S	4 - Major	B - Unlikely	B4 - Medium	* Offloading Procedure * Visual inspection	4 - Major	A- Rare	A4 - Low
		Truck over turn resulting to damage to property	A	3 - Moderate	C - Occasionally	C3 - Medium		3 - Moderate	A- Rare	A3 - Low
	Speeding onto or off weighbridge	Damage to load-cell	A	3 - Moderate	C - Occasionally	C3 - Medium	* Speed limit sign * Notice sign	3 - Moderate	A- Rare	A3 - Low
AREA: LOADING ZONE										
ACTIVITY	HAZARD	RISK	S/H/E/A	SEVERITY	LIKELIHOOD	RAW RISK RATING	CONTROL MEASURE/S	SEVERITY	LIKELIHOOD	RESIDUAL RISK RATING
Driving to loading zone	Movement of people and other vehicles	Collision-people, vehicles, objects, infrastructure	S	5 - Catastrophic	A- Rare	A5 - Medium	*Demarcated walkways	5 - Catastrophic	A- Rare	A5 - Medium
			A	3 - Moderate	C- Occasional	C3 - Medium	*clearly indicate which side of the road entrance and	3 - Moderate	A- Rare	A3- Low
	Speeding and reckless driving	Collision-people, vehicles, objects, infrastructure	S	5 - Catastrophic	A- Rare	A5 - Medium	*Speed limit signage	5 - Catastrophic	A- Rare	A5 - Medium
			A	3 - Moderate	C- Occasional	C3 - Medium	*Site rules signage	3 - Moderate	A- Rare	A3- Low
	Speeding off weighbridge	Damage to load-cell	A	3 - Moderate	C - Occasionally	C3 - Medium	* Speed limit sign * Notice sign	3 - Moderate	A- Rare	A3- Low
Pre-loading inspection	Climbing on top of the wagon	Injury due to slipping and falling from wagon	S	4 - Major	B - Unlikely	B4 - Medium	*Pre-loading Inspection *Training for working at heights	4 - Major	A- Rare	A4 - Low
	Working at heights	Falling from height	S	4 - Major	C- Occasional	C4 - High	* Wearing of safety harness *Working at heights Procedure	4 - Major	A- Rare	A4 - Low
Loading, Sampling during loading	Climbing on top of the wagon	Injury due to slipping and falling from climbing the wagon	S	4 - Major	B - Unlikely	B4 - Medium	* Wearing of safety harness *Working at heights Procedure	4 - Major	A- Rare	A4 - Low
	Working at heights	Injury due to falling from height	S	4 - Major	C- Occasional	C4 - High	* Wearing of safety harness *Working at heights Procedure	4 - Major	A- Rare	A4 - Low
	Dust from grain	Suffocation from inhaling the dust	S	4 - Major	B - Unlikely	B4 - Medium	* Wearing correct PPE *Fitness to work Procedure *Medical Surveillance	4 - Major	A- Rare	A4 - Low
		Lung disease due to inhalation of dust	H	3 - Moderate	B - Unlikely	B3 - Low	* Wearing correct PPE *Fitness to work Procedure	3 - Moderate	A- Rare	A3 - Low
	Dust, grain particles and other objects	Injury to eyes due to dust and foreign objects	S	3 - Moderate	B - Unlikely	B3 - Low	* Wearing correct PPE	3 - Moderate	A- Rare	A3 - Low
		Allergies due to dust/product	H	3 - Moderate	C- Occasional	C3 - Medium	*Wearing correct PPE *Fitness to work Procedure	3 - Moderate	A- Rare	A3 - Low
	Working at height sitting/standing on the edge of the wagon	Injury due to falling from height	S	4 - Major	C- Occasional	C4 - High	* Construct platform *Working at heights Procedure *Loading Procedure	4 - Major	A- Rare	A4 - Low
	Walking on top of the grain	Injury caused by sinking into grain	S	4 - Major	B - Unlikely	B4 - Medium	* Construct platform *Working at heights Procedure *Loading Procedure	4 - Major	A- Rare	A4 - Low
	Use of old sampling probe	Injury to hands	S	2 - Minor	C- Occasional	C2 - Low	* Operating of sampling probe procedure	2 - Minor	A- Rare	A2 - Low
Driving to weighbridge	Movement of people and other vehicles	Collision-people, vehicles, objects, infrastructure	S	5 - Catastrophic	A- Rare	A5 - Medium	*Demarcated walkways	5 - Catastrophic	A- Rare	A5 - Medium
			A	3 - Moderate	C- Occasional	C3 - Medium	*clearly indicate which side of the road entrance and exits is location	3 - Moderate	A- Rare	A3 - Low
	Speeding and reckless driving	Collision-people, vehicles, objects, infrastructure	S	5 - Catastrophic	A- Rare	A5 - Medium	*Speed limit signage	5 - Catastrophic	A- Rare	A5 - Medium
			A	3 - Moderate	C- Occasional	C3 - Medium	*Site rules signage	3 - Moderate	A- Rare	A3 - Low

	Speeding onto or off weighbridge	Damage to load-cell	A	3 - Moderate	C - Occasionally	C3 - Medium	* Speed limit sign * Notice sign	3 - Moderate	A- Rare	A3 - Low
AREA: EXIT										
ACTIVITY	HAZARD	RISK	S/H/E/A	SEVERITY	LIKELIHOOD	RAW RISK RATING	CONTROL MEASURE/S	SEVERITY	LIKELIHOOD	RESIDUAL RISK RATING
Drive from weighbridge to exit	Movement of people and other vehicles	Collision-people, vehicles, objects, infrastructure	S	5 - Catastrophic	A- Rare	A5 - Medium	*Demarcated walkways	5 - Catastrophic	A- Rare	A5 - Medium
			A	3 - Moderate	C- Occasional	C3 - Medium	*clearly indicate which side of the road entrance and exits is location	3 - Moderate	A- Rare	A3 - Low
	Speeding and reckless driving	Collision-people, vehicles, objects, infrastructure	S	5 - Catastrophic	A- Rare	A5 - Medium	*Speed limit signage	5 - Catastrophic	A- Rare	A5 - Medium
			A	3 - Moderate	C- Occasional	C3 - Medium	*Site rules signage	3 - Moderate	A- Rare	A3 - Low
	Speeding off weighbridge	Damage to load-cell	A	3 - Moderate	C - Occasionally	C3 - Medium	* Speed limit sign * Notice sign	3 - Moderate	A- Rare	A3 - Low
AREA: SILO BIN FULL										
ACTIVITY	HAZARD	RISK	S/H/E/A	SEVERITY	LIKELIHOOD	RAW RISK RATING	CONTROL MEASURE/S	SEVERITY	LIKELIHOOD	RESIDUAL RISK RATING
Fumigation, from the top, through the fumigation box and hopper	Working at heights	Injury due to falling from height	S	4 - Major	C- Occasional	C4 - High	* Working at heights training * Wearing of safety harness *Working at heights Procedure *Fumigation Procedure	4 - Major	A- Rare	A4 - Low
	Throwing tablets into silo bin	Fatality due to inhalation of tablet fumes	S	4 - Major	B - Unlikely	B4 - Medium	* Training on fumigation * Wearing correct PPE * Fumigation Procedure	4 - Major	A- Rare	A4 - Low
	Throwing tablets into moist environment	Injury due to fire from reaction of chemicals with water	S	4 - Major	B - Unlikely	B4 - Medium	* Training on fumigation * Visual inspection	4 - Major	A- Rare	A4 - Low
		Asset damage due to fire from reaction of chemicals with water	A	4 - Major	B - Unlikely	B4 - Medium	*Fumigation Procedure	4 - Major	A- Rare	A4 - Low
Monitoring of gas	Hazardous gases leaking from the bin	Health risk due to inhalation of gases	H	5 - Catastrophic	B - Unlikely	B5 - High	* Training on fumigation *Wearing correct PPE * Monitoring equipment *Fumigation Procedure	5 - Catastrophic	A- Rare	A5 - Medium
Dipping and check for insects and moisture	Working at heights	Injury due to falling from height	S	4 - Major	C- Occasional	C4 - High	* Working at heights training * Wearing of safety harness *Working at heights Procedure	4 - Major	A- Rare	A4 - Low
	Hazardous gases	Health risk due to inhalation of gases	H	4 - Major	B - Unlikely	B4 - Medium	* Wearing correct PPE *Training on housekeeping of Bins *Housekeeping of Bins Procedure	4 - Major	A- Rare	A4 - Low
AREA: SILO BIN EMPTY										
ACTIVITY	HAZARD	RISK	S/H/E/A	SEVERITY	LIKELIHOOD	RAW RISK RATING	CONTROL MEASURE/S	SEVERITY	LIKELIHOOD	RESIDUAL RISK RATING
Cleaning the bin	Hazardous fumes	Health risk due to inhalation of fumes	H	4 - Major	B - Unlikely	B4 - Medium	*PPE *Housekeeping of Bins Procedure *Monitoring equipment	4 - Major	A- Rare	A4 - Low
	Dust from grain	Suffocation from inhaling the dust	S	4 - Major	B - Unlikely	B4 - Medium	* PPE *Fitness to work Procedure *Medical Surveillance *Housekeeping of Bins Procedure	4 - Major	A- Rare	A4 - Low
		Lung disease due to inhalation of dust	H	3 - Moderate	B - Unlikely	B3 - Low	* PPE *Fitness to work Procedure *Medical Surveillance *Housekeeping of Bins	3 - Moderate	A- Rare	A3 - Low
	Insufficient lighting	Vision impairment caused by working in an area with insufficient lighting	H	3 - Moderate	B - Unlikely	B3 - Low	* Intrinsically safe lamp *Housekeeping of Bins Procedure	3 - Moderate	A- Rare	A3 - Low
	Working at heights	Injury due to falling from height	S	4 - Major	B - Unlikely	B4 - Medium	* Working at heights training * Wearing of safety harness *Working at Heights Procedure *Medical Surveillance	4 - Major	A- Rare	A4 - Low

	High temperatures	Heat stroke due to working inside the silo at extremely high temperatures	H	2 - Minor	B - Unlikely	B2 - Low	*Cleaning of Bins Procedure	2 - Minor	A- Rare	A2 - Low
Spraying pesticides from inside the silo bin	Hazardous fumes	Fatality due to inhalation of hazardous fumes	H	5 - Catastrophic	B - Unlikely	B5 - High	* PPE *Training on using pesticides *Pesticides Program Procedure *Medical Surveillance	5 - Catastrophic	A- Rare	A5 - Medium
	Working at heights	Injury due to falling from height	S	4 - Major	C- Occasional	C4 - High	* Working at heights training * Wearing of safety harness *Working at Heights Procedure *Medical Surveillance	4 - Major	A- Rare	A4 - Low
Visual inspection	Hazardous fumes	Health risk due to inhalation of Hazardous fumes	H	4 - Major	B - Unlikely	B4 - Medium	* Monitoring equipment Procedure *PPE *Training on monitoring equipment *Inspection registers for monitoring equipment *Calibration certificate	4 - Major	A- Rare	A4 - Low
	Working at heights	Injury due to falling from height	S	4 - Major	C- Occasional	C4 - High	* Working at heights training * Wearing of safety harness *Working at Heights Procedure *Medical Surveillance	4 - Major	A- Rare	A4 - Low
AREA: CONTROL ROOM										
ACTIVITY	HAZARD	RISK	S/H/E/A	SEVERITY	LIKELIHOOD	RAW RISK RATING	CONTROL MEASURE/S	SEVERITY	LIKELIHOOD	RESIDUAL RISK RATING
Operating Silo control system	High voltage electrical equipment	Injury/fatality due to Electrocution	S	4 - Major	B - Unlikely	B4 - Medium	* Regular Maintenance *Maintenance Procedure	4 - Major	A- Rare	A4 - Low
	Cables and loose items	Injury due to tripping and falling	S	4 - Major	B - Unlikely	B4 - Medium	* Housekeeping and Hygiene Procedure	4 - Major	A- Rare	A4 - Low
AREA: CANTEEN & ABLUTION FACILITIES										
ACTIVITY	HAZARD	RISK	S/H/E/A	SEVERITY	LIKELIHOOD	RAW RISK RATING	CONTROL MEASURE/S	SEVERITY	LIKELIHOOD	RESIDUAL RISK RATING
Preparing food	Damage / faulty electrical equipment	Injury/fatality due to electrocution	S	4 - Major	A - Rare	A4 - Low	* Inspection of Electrical Equipment * Equipment Maintenance	4 - Major	A- Rare	A4- Low
Moving around the canteen	Cables and loose items	Injury due to tripping and falling	S	4 - Major	B - Unlikely	B4 - Medium	* SHE representative inspection * Housekeeping and Hygiene Procedure	4 - Major	A- Rare	A4- Low
Cleaning of Canteen & ablution facilities	Hazardous cleaning chemicals	Injury due to exposure to hazardous cleaning chemicals	H	2 - Minor	A - Rare	A2 - Low	*MSDS *MSDS Training	2 - Minor	A- Rare	A2 - Low
AREA: RAILWAY										
ACTIVITY	HAZARD	RISK	S/H/E/A	SEVERITY	LIKELIHOOD	RAW RISK RATING	CONTROL MEASURE/S	SEVERITY	LIKELIHOOD	RESIDUAL RISK RATING
Walking adjacent to/along the operational railway	Struck by a Train	Fatality/Injury due to being struck by train	S	4 - Major	A - Rare	A4 - Low		4 - Major	A - Rare	A4 - Low
Shunting of railway wagons	Runaway wagons	Fatality/Injury due to being struck by wagon	S	4 - Major	A - Rare	B4 - Medium	* Safe Work Procedure Siding	4 - Major	A - Rare	A4 - Low
	Runaway wagons	Derailment and damage to property	A	4 - Major	A - Rare	B4 - Medium	* Safe Work Procedure Siding	4 - Major	A - Rare	A4 - Low
Pre-loading inspection	Climbing on top of the wagon	Injury due to slipping and falling from wagon	S	4 - Major	B - Unlikely	B4 - Medium	*Pre-loading Inspection *Training for working at heights	4 - Major	A- Rare	A4 - Low
	Working at heights	Falling from height	S	4 - Major	C- Occasional	C4 - High	* Wearing of safety harness *Working at heights Procedure	4 - Major	A- Rare	A4 - Low
	Climbing on top of the wagon	Injury due to slipping and falling from climbing the wagon	S	4 - Major	B - Unlikely	B4 - Medium	* Wearing of safety harness *Working at heights Procedure	4 - Major	A- Rare	A4 - Low

Loading, Sampling during loading	Working at heights	Injury due to falling from height	S	4 - Major	C- Occasional	C4 - High	* Wearing of safety harness *Working at heights Procedure	4 - Major	A- Rare	A4 - Low
	Dust from grain	Suffocation from inhaling the dust	S	4 - Major	B - Unlikely	B4 - Medium	* Wearing correct PPE *Fitness to work Procedure *Medical Surveillance	4 - Major	A- Rare	A4 - Low
		Lung disease due to inhalation of dust	H	3 - Moderate	B - Unlikely	B3 - Low	* Wearing correct PPE *Fitness to work Procedure	3 - Moderate	A- Rare	A3 - Low
	Dust, grain particles and other objects	Injury to eyes due to dust and foreign objects	S	3 - Moderate	B - Unlikely	B3 - Low	* Wearing correct PPE	3 - Moderate	A- Rare	A3 - Low
		Allergies due to dust/product	H	3 - Moderate	C- Occasional	C3 - Medium	*Wearing correct PPE *Fitness to work Procedure	3 - Moderate	A- Rare	A3 - Low
	Working at height sitting/standing on the edge of the wagon	Injury due to falling from height	S	4 - Major	C- Occasional	C4 - High	* Construct platform *Working at heights Procedure *Loading Procedure	4 - Major	A- Rare	A4 - Low
	Walking on top of the grain	Injury caused by sinking into grain	S	4 - Major	B - Unlikely	B4 - Medium	* Construct platform *Working at heights Procedure *Loading Procedure	4 - Major	A- Rare	A4 - Low
	Use of old sampling probe	Injury to hands	S	2 - Minor	C- Occasional	C2 - Low	* Operating of sampling probe procedure	2 - Minor	A- Rare	A2 - Low