

## 1. General Information

<b>Date:</b> 11/05/2021	<b>OBU:</b> SAWTP	<b>Reference No:</b> SA RAMS16 Operating FSL (Ferrous Sorting Line) REV00
<b>Type of assessment:</b> <input type="checkbox"/> General Risk Assessment (GRA) <input checked="" type="checkbox"/> Risk Assessment Method Statement (RAMS) <input type="checkbox"/> Specific Risk Assessment (SRA) <input type="checkbox"/> Other Click or tap here to enter text.		
<b>Task / Activity:</b> Operating the Ferrous Sorting Line FSL		
<b>Sequence of Works:</b> Starting the line (Machinery) Replacing the opentop containers as required Emptying the ½ cubic meter self tipping skip Loading hopper with material Sorting Stopping the line (Machinery)		
<b>List of equipment used:</b> MPM Loader Forklift Hookloader Needle stick resistant gloves ACTP4544 (EN388) Disposable FFP2 dust masks (EN149) Clear Safety glasses (As required) (EN166) Brooms & Push sticks		<b>Staff involved:</b> Supervisor Operatives- Four (4) Sorters Operatives – Three (3) Blockage Handlers HPD- (Hookloader) LPD (Forklift) HPD (MPM)

## 2. Hazard Identification

*Taken from **Controlled document 213 Risk Assessment Methodology***

<b>List of Hazards:</b>			
<input type="checkbox"/>	H01 – Asbestos	<input checked="" type="checkbox"/>	H12 - Hot or cold climate
<input checked="" type="checkbox"/>	H02 – Chemical and Biological	<input checked="" type="checkbox"/>	H13 – Manual handling
<input checked="" type="checkbox"/>	H03 – Cuts	<input checked="" type="checkbox"/>	H14 – Noise
<input checked="" type="checkbox"/>	H04 – Electricity	<input type="checkbox"/>	H15 – Psychological
<input checked="" type="checkbox"/>	H05 – Ergonomics	<input checked="" type="checkbox"/>	H16 – Radiation
<input checked="" type="checkbox"/>	H06 – Falling objects	<input checked="" type="checkbox"/>	H17 – Slips and trips
<input checked="" type="checkbox"/>	H07 – Falls from height	<input type="checkbox"/>	H18 – Structural collapse
<input checked="" type="checkbox"/>	H08 – Fire and explosion	<input type="checkbox"/>	H19 – Vibration
<input checked="" type="checkbox"/>	H09 – Flying objects	<input type="checkbox"/>	H20 – Violence
<input type="checkbox"/>	H10 – Head injury	<input checked="" type="checkbox"/>	H21 – Work equipment
<input checked="" type="checkbox"/>	H11 – Hit by moving vehicles	<input type="checkbox"/>	H22 – Other

### 3. Risk definitions and risk rating

*Taken from **Controlled document 213 Risk Assessment Methodology***

Rating	Likelihood	Definition	Probability	Frequency
5	Almost certain	Is expected to occur in most circumstances	>90%	Occurs, or is expected to occur, more than once a month
4	Likely	Will probably occur in most circumstances	>60%	Occurs, or is expected to occur, at least once every 6 months
3	Possible	Might occur at some time	>35%	Occurs, or is expected to occur, at least once every year
2	Unlikely	Is expected to occur in exceptional circumstances	>10%	Occurs, or is expected to occur, once every 5 years
1	Highly unlikely	Can occur in exceptional circumstances	<10%	Is not expected to occur more than once in 10 years

Rating	Severity	People	Environmental Damage	Asset Damage
5	Catastrophic	Multiple major injuries, and/or major injuries / illnesses leading to severe permanent disabilities, and/or fatality. *	Serious and irreversible environmental damage.	Total loss of facility and / or critical equipment. Considerable disruption to function / operations (> 3 months).
4	Major	An injury resulting in the person being detained in hospital for more than 24 hours (except for observation), and/or an injury leading to more than 10 days off work, and/or an illness leading to a chronic health condition. *	Serious environmental damage.	Extensive damage to equipment. Substantial disruption of function / operations (> 1 week).
3	Moderate	Injury requiring medical attention, and/or leading to more than 3 days off work, and/or illness requiring medical treatment but not leading to a chronic health condition. *	Moderate environmental damage.	Partial damage to equipment. Temporary disruption of function / operations (> 2 days).
2	Minor	Injury / ill health condition requiring first aid treatment, and/or which leads to not more than 3 days off work.	Minor environmental damage.	Minor damage to equipment. Brief disruption of function / operations (< 1 day).
1	Insignificant	Little or no injury / ill health condition.	Little or no environmental damage.	Little or no asset damage. No disruption to operations.

		Severity				
		1	2	3	4	5
Likelihood	5	5	10	15	20	25
	4	4	8	12	16	20
	3	3	6	9	12	15
	2	2	4	6	8	10
	1	1	2	3	4	5

Risk	Situation	Action
Very high	Totally unacceptable	Stop work at once and implement corrective action immediately.
High	Unacceptable	Seek to improve the situation within 3 months. Ongoing monitoring required.
Medium	Tolerable	Seek to improve in the long-term. Regular monitoring required.
Low	Ideal	No improvement necessary. No monitoring required.

#### 4. Risk Assessment

Ref Hazard	Ref Agent Classification	Who is at risk? (Tick where applicable)	Pre-Control Risk Rating			Control Measures	Post-Control Risk Rating		
			Likelihood	Severity	Risk		Likelihood	Severity	Risk
H02 Chemical and Biological	<input checked="" type="checkbox"/> H02.1 Explosives <input type="checkbox"/> H02.2 Hazardous to the environment <input checked="" type="checkbox"/> H02.3 Gas under pressure <input type="checkbox"/> H02.4 Acute toxicity <input type="checkbox"/> H02.5 Serious health hazard <input type="checkbox"/> H02.6 Oxidising <input checked="" type="checkbox"/> H02.7 Flammable <input type="checkbox"/> H02.8 Corrosive <input type="checkbox"/> H02.9 Health hazard <input checked="" type="checkbox"/> H02.10 Fungi / moulds <input checked="" type="checkbox"/> H02.11 Bacteria and viruses <input type="checkbox"/> H02.12 Threat of insect or animal bites <input type="checkbox"/> H02.13 Pests / Rodents <input checked="" type="checkbox"/> H02.14 Dust / fibers <input type="checkbox"/> H02.15 Other	<input checked="" type="checkbox"/> Worker <input type="checkbox"/> Contractor <input type="checkbox"/> Visitors <input type="checkbox"/> Other	4	4	16	<u>Already in place</u> <ul style="list-style-type: none"> <li>Non-Ferrous material such as flares and aluminium compressed gas canisters will be automatically discarded without human intervention.</li> <li>Ferrous Canisters will be discarded into the chute with minimal human contact.</li> <li>Material is sprayed with water to reduce dust prior to loading in hopper.</li> <li>Needle stick resistant gloves ACTP 4544 provided for Operatives.</li> <li>Vaccination is provided as per <b>AMDHS12 Occupational Health Monitoring procedure.</b></li> <li>Negative picking process in place; reducing the contact with ferrous material.</li> <li>Respiratory protection FFP2/3 Masks EN149 required in Sorting room and while handling blockages.</li> <li>Tender for maintaining air conditioners is in place.</li> </ul>	1	3	3
						<u>To be implemented</u>			

Ref Hazard	Ref Agent Classification	Who is at risk? (Tick where applicable)	Pre-Control Risk Rating			Control Measures	Post-Control Risk Rating		
			Likelihood	Severity	Risk		Likelihood	Severity	Risk
<b>H03 Cuts</b>	<input checked="" type="checkbox"/> H03.1 Contact with metal items (nails, metal stock or burrs) <input checked="" type="checkbox"/> H03.2 Stock and moving material by Hand <input type="checkbox"/> H03.3 Hand tools with blades (knives, box cutters, screwdrivers, chisels) <input checked="" type="checkbox"/> H03.4 Powered machinery with cutting blades, pinch points, chain and sprocket, conveyor belts, rotating parts, motors, presses, lathes. <input checked="" type="checkbox"/> H03.5 Handling sharp objects or material <input type="checkbox"/> H03.6 other	<input checked="" type="checkbox"/> Worker <input type="checkbox"/> Contractor <input type="checkbox"/> Visitors <input type="checkbox"/> Other	3	4	12	<u>Already in place</u> <ul style="list-style-type: none"> <li>Negative picking process in place; reducing the contact with ferrous material.</li> <li>Equipment has guards in place.</li> <li>Tools (Broom and push sticks) provided for blockage clearing.</li> <li>Needle stick resistant gloves ACTP 4544 provided for Operatives.</li> <li>Vaccination is provided as per <b>AMD-HS12 Occupational Health Monitoring procedure.</b></li> <li>To shift Open top containers so they can be loaded evenly (Instead of climbing on top and shifting material).</li> </ul>	1	3	3
						<u>To be implemented</u>			
<b>H04 Electricity</b>	<input type="checkbox"/> H04.1 Flash arc <input checked="" type="checkbox"/> H04.2 Exposure to unguarded or unprotected electrical equipment <input type="checkbox"/> H04.3 Working with high voltage equipment <input type="checkbox"/> H04.4 Inadequate Wiring and Overloaded Circuits <input checked="" type="checkbox"/> H04.5 Exposed live Electrical Parts <input checked="" type="checkbox"/> H04.6 Ground faults <input checked="" type="checkbox"/> H04.7 Damage insulation <input type="checkbox"/> H04.8 Other	<input checked="" type="checkbox"/> Worker <input type="checkbox"/> Contractor <input type="checkbox"/> Visitors <input type="checkbox"/> Other	3	5	15	<u>Already in place</u> <ul style="list-style-type: none"> <li>Electrical panels maintained closed and are in good condition.</li> <li>Electrical equipment is maintained by competent person.</li> </ul>	1	5	5
						<u>To be implemented</u>			

Ref Hazard	Ref Agent Classification	Who is at risk? (Tick where applicable)	Pre-Control Risk Rating			Control Measures	Post-Control Risk Rating		
			Likelihood	Severity	Risk		Likelihood	Severity	Risk
<b>H05 Ergonomics</b>	<input type="checkbox"/> H05.1 Poor design or layout of work area <input type="checkbox"/> H05.2 Awkward Postures <input checked="" type="checkbox"/> H05.3 Sustained / static postures <input type="checkbox"/> H05.4 Poor workstation design <input type="checkbox"/> H05.5 Pushing/ pulling/ lifting <input type="checkbox"/> H05.6 Other	<input checked="" type="checkbox"/> Worker <input type="checkbox"/> Contractor <input type="checkbox"/> Visitors <input type="checkbox"/> Other	3	4	12	<u>Already in place</u> <ul style="list-style-type: none"> <li>Adequate breaks are in place.</li> </ul> <hr/> <u>To be implemented</u> <ul style="list-style-type: none"> <li>Plant Engineer to align break frequency / rotation of work in line with RULA (Reference RULA RA conducted in 2020).</li> </ul>	2	1	2
<b>H06 Falling objects</b>	<input checked="" type="checkbox"/> H06.1 Material leaning or ready to topple over <input type="checkbox"/> H06.2 Loads raised or passed over people <input type="checkbox"/> H06.3 Toe boards not in place <input checked="" type="checkbox"/> H06.4 Unprotected sides or edges <input type="checkbox"/> H06.5 Other	<input checked="" type="checkbox"/> Worker <input checked="" type="checkbox"/> Contractor <input checked="" type="checkbox"/> Visitors <input type="checkbox"/> Other	3	4	12	<u>Already in place</u> <ul style="list-style-type: none"> <li>HPD (MPM) &amp; LPD (Forklift) as applicable and Operatives (Blockage Handlers) shall ensure no personnel are in the vicinity around the hopper while the MPM / Forklift is loading the Hopper.</li> <li>Operatives (Blockage Handlers) shall ensure no personnel walks under the conveyors while in operation.</li> <li>HPD (MPM) shall inspect the vehicle for visible faults prior to operate the equipment and fill out <b>WS125 MPM Pre-use checklist</b> accordingly.</li> <li>Forklift driver shall inspect vehicle and fill out <b>WS096 Fork Lift Truck Daily Checklist</b> prior to operate vehicle.</li> <li>Pant Engineer shall ensure self-tipping skips are adequately maintained.</li> <li>Operatives (Blockage Handlers) shall ensure that the self-tipping skips and open top containers are not over loaded.</li> </ul> <hr/> <u>To be implemented</u> <ul style="list-style-type: none"> <li>Manager- Health &amp; Safety to post Warning signs &amp; No Unauthorized access signage around conveyors and under the sorting cabin.</li> <li>Manager Health &amp; Safety to create checklist for MPM</li> </ul>	1	2	2

Ref Hazard	Ref Agent Classification	Who is at risk? (Tick where applicable)	Pre-Control Risk Rating			Control Measures	Post-Control Risk Rating		
			Likelihood	Severity	Risk		Likelihood	Severity	Risk
<b>H07 Falls from height</b>	<input type="checkbox"/> H07.1 Any elevated work area temporary installed access platform <input type="checkbox"/> H07.2 MEWPs <input type="checkbox"/> H07.3 Any elevated work area fixed or permanently installed access platforms <input checked="" type="checkbox"/> H07.4 Other	<input checked="" type="checkbox"/> Worker <input type="checkbox"/> Contractor <input type="checkbox"/> Visitors <input type="checkbox"/> Other	3	4	12	<u>Already in place</u> <ul style="list-style-type: none"> <li>To shift Open top containers so they can be loaded evenly (Instead of climbing on top and shifting material).</li> <li>Access stairs to sorting room are in good condition comfortable and with handrail on both sides.</li> <li>SRC S3 Safety shoes provided.</li> <li>Stairs are made of chequered plate.</li> </ul>	1	3	3
						<u>To be implemented</u>			
<b>H08 Fire and explosion</b>	<input checked="" type="checkbox"/> H08.1 Thermal energy: combustion engines, open fire, Hot surfaces, welding sputters, laser <input checked="" type="checkbox"/> H08.2 Electric energy: short circuits, electric arcs, electromagnetic radiation, lightning, electrostatic, heat developed by currents. <input type="checkbox"/> H08.3 Mechanical energy: friction, ultrasound, compression, sparks from tools, grinding. <input checked="" type="checkbox"/> H08.4 Chemical energy: spontaneous heating or igniting, catalytic reactions, accelerating exothermal reactions. <input type="checkbox"/> H08.5 Bulk Storage of waste material <input type="checkbox"/> H08.6 Gases, vapours and mists: Zone 0, Zone 1, Zone 2 <input type="checkbox"/> H08.7 Other	<input checked="" type="checkbox"/> Worker <input type="checkbox"/> Contractor <input type="checkbox"/> Visitors <input type="checkbox"/> Other	3	5	15	<u>Already in place</u> <ul style="list-style-type: none"> <li>Non-Ferrous material such as flares and aluminium compressed gas canisters will be automatically discarded without human intervention.</li> <li>Ferrous Canisters will be discarded into the chute with minimal human contact.</li> <li>Negative picking process in place; reducing the contact with ferrous material.</li> <li>Fire extinguishers available in sorting room.</li> <li>Sorting room designed with double exit doors.</li> <li>Only four (4) sorters in Sorting room have adequate means of escape.</li> <li>Health surveillance is in place as per <b>AMD-HS12 Occupational Health Monitoring procedure</b> (Magnet).</li> <li>Work area is sufficiently away from the magnet effected zone. If blockages occur require human intervention the line will be de-energised.</li> </ul>	1	3	3
						<u>To be implemented</u> <ul style="list-style-type: none"> <li>Manager Health &amp; Safety to procure warning signage for magnet.</li> </ul>			

Ref Hazard	Ref Agent Classification	Who is at risk? (Tick where applicable)	Pre-Control Risk Rating			Control Measures	Post-Control Risk Rating		
			Likelihood	Severity	Risk		Likelihood	Severity	Risk
<b>H10</b> Head injury	<input type="checkbox"/> H10.1 Obstructed visibility <input type="checkbox"/> H10.2 Wet areas <input checked="" type="checkbox"/> H10.3 Walking into Objects <input checked="" type="checkbox"/> H10.4 Being Underneath Falling Objects <input checked="" type="checkbox"/> H10.5 Slipping or Tripping and Falling <input type="checkbox"/> H10.6 Falling from Above <input type="checkbox"/> H10.7 Other	<input checked="" type="checkbox"/> Worker <input type="checkbox"/> Contractor <input type="checkbox"/> Visitors <input type="checkbox"/> Other	3	3	9	<u>Already in place</u> <ul style="list-style-type: none"> <li>HPD (MPM) and Operatives (Blockage Handlers) shall ensure no personnel are in the vicinity around the hopper while the MPM is loading the Hopper.</li> <li>Operatives (Blockage Handlers) shall ensure no personnel walks under the conveyors while in operation.</li> <li>HPD (MPM) shall inspect the vehicle for visible faults prior to operate the equipment and fill out <b>WS125 MPM Pre-use checklist</b> accordingly.</li> <li>Low corners are adequately marked with reflective tape.</li> </ul>	1	3	3
						<u>To be implemented</u> <ul style="list-style-type: none"> <li>Manager Health &amp; Safety to procure warning signage for conveyors.</li> </ul>			
<b>H11</b> Hit by moving vehicles	<input type="checkbox"/> H11.1 Environmental conditions (slippery or unstable ground, fog). <input checked="" type="checkbox"/> H11.2 Running over pedestrians <input checked="" type="checkbox"/> H11.3 Being trapped between a vehicle and a structure. <input checked="" type="checkbox"/> H11.4 Vehicles colliding with each other or a structure. <input checked="" type="checkbox"/> H11.5 Mechanical failure (faulty steering or bad brakes). <input checked="" type="checkbox"/> H11.6 Driver distractions (cell phones, noise, work pressures, home pressures). <input checked="" type="checkbox"/> H11.7 Falls from vehicles <input checked="" type="checkbox"/> H11.8 Items that fall off vehicles, moving on slopes or unbalanced loads <input type="checkbox"/> H11.9 Other	<input checked="" type="checkbox"/> Worker <input checked="" type="checkbox"/> Contractor <input checked="" type="checkbox"/> Visitors <input type="checkbox"/> Other	3	5	15	<u>Already in place</u> <ul style="list-style-type: none"> <li>HPD (MPM) shall inspect the vehicle for visible faults prior to operate the equipment and fill out <b>WS125 MPM Pre-use Checklist</b> accordingly.</li> <li>Forklift driver shall inspect vehicle and fill out <b>WS096 Fork Lift Truck Daily Checklist</b> prior to operate vehicle.</li> <li>Pedestrians shall maintain a minimum of 3meter distance from moving vehicles.</li> <li>Pedestrians shall wear Hi Visibility Clothing EN ISO 20471</li> <li>HPD (MPM) and Forklift driver shall maintain a speed limit of 10 km/h.</li> </ul>	1	5	5
						<u>To be implemented</u>			

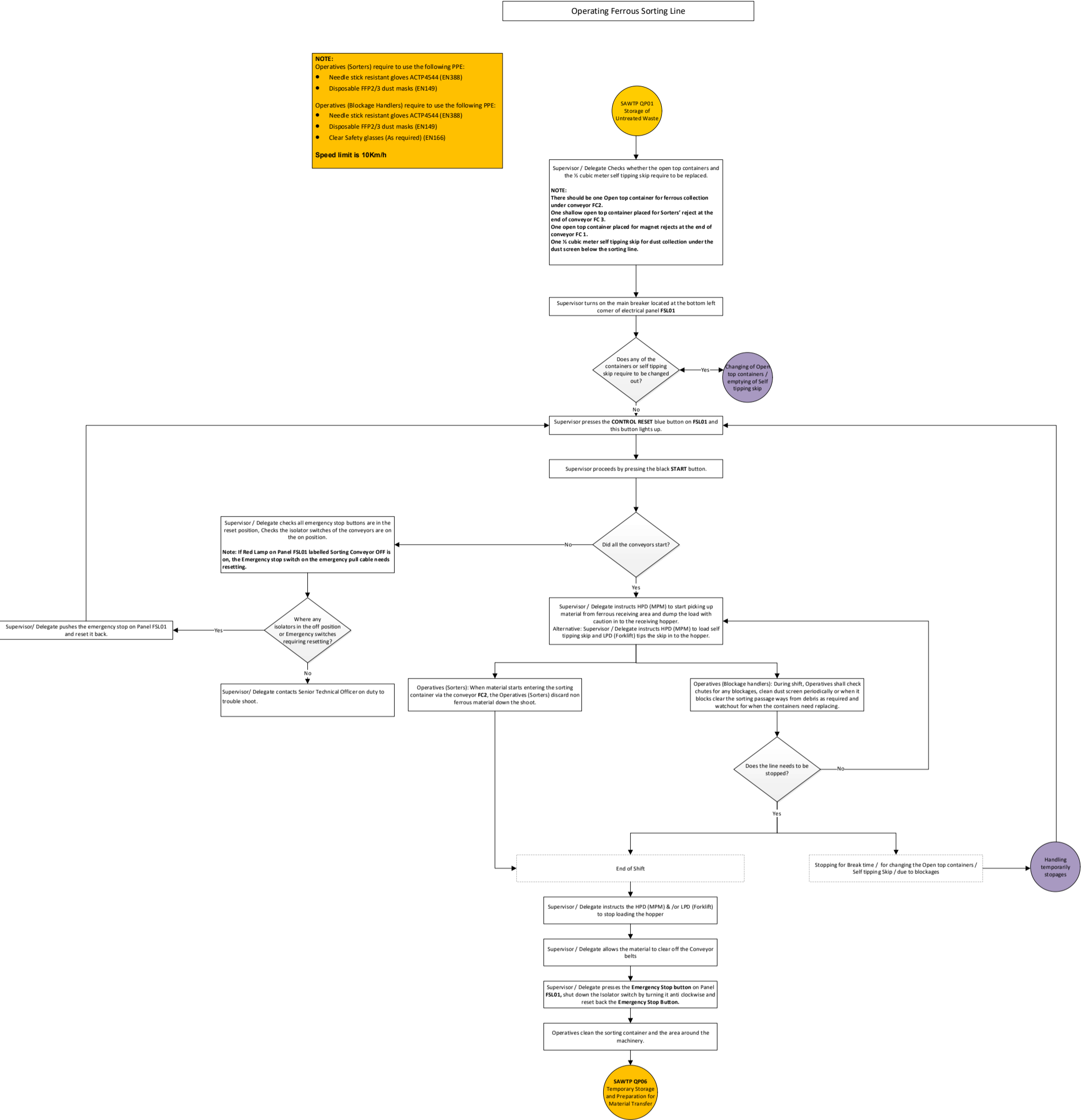
Ref Hazard	Ref Agent Classification	Who is at risk? (Tick where applicable)	Pre-Control Risk Rating			Control Measures	Post-Control Risk Rating		
			Likelihood	Severity	Risk		Likelihood	Severity	Risk
<b>H12</b> <b>Hot or cold climate</b>	<input type="checkbox"/> H12.1 Temperature extremes <input type="checkbox"/> H12.2 Humidity extremes <input checked="" type="checkbox"/> H12.3 Exposure to sunlight / UV radiation <input type="checkbox"/> H12.4 Other	<input checked="" type="checkbox"/> Worker <input type="checkbox"/> Contractor <input type="checkbox"/> Visitors <input type="checkbox"/> Other	4	3	12	<u>Already in place</u> <ul style="list-style-type: none"> <li>Air conditioners in place.</li> <li>Tender for maintaining the air conditioners is in place.</li> <li>Shading is provided on the exterior.</li> <li>Sunblock is provided for employees exposed to Sun UV.</li> <li>Rain Jackets and shelter are provided for Operatives working externally.</li> <li>MPM has an enclosed cabin.</li> <li>Sorting container is anchored to the ground.</li> </ul> <u>To be implemented</u>	1	2	2
<b>H13</b> <b>Manual handling</b>	<input type="checkbox"/> H13.1 Frequent lifting <input checked="" type="checkbox"/> H13.2 Repetition of movement <input checked="" type="checkbox"/> H13.3 Force of movement <input type="checkbox"/> H13.4 Other	<input checked="" type="checkbox"/> Worker <input type="checkbox"/> Contractor <input type="checkbox"/> Visitors <input type="checkbox"/> Other	2	2	4	<u>Already in place</u> <ul style="list-style-type: none"> <li>Adequate breaks are in place.</li> <li>Dust screen cover has two lifting points thus can be handled by two persons.</li> <li>Frequency of opening the dust cover is low.</li> </ul> <u>To be implemented</u> <ul style="list-style-type: none"> <li>Plant Engineer to align break frequency / rotation of work in line with RULA (Reference RULA RA conducted in 2020).</li> </ul>	1	2	2
<b>H14</b> <b>Noise</b>	<input type="checkbox"/> H14.1 Use of powered or pneumatic tools <input type="checkbox"/> H14.2 Use of impact tools <input type="checkbox"/> H14.3 Use of powered cartridge operated tools <input type="checkbox"/> H14.4 Use of heavy machinery <input type="checkbox"/> H14.5 Use of electrical tools (circular saws and cutter heads) <input type="checkbox"/> H14.6 Workplace transport <input type="checkbox"/> H14.7 Electrical motors and generators <input checked="" type="checkbox"/> H14.8 Other	<input checked="" type="checkbox"/> Worker <input type="checkbox"/> Contractor <input type="checkbox"/> Visitors <input type="checkbox"/> Other	2	4	8	<u>Already in place</u> <ul style="list-style-type: none"> <li>Noise dampener installed at end of sorting conveyor</li> <li>Health surveillance is in place as per <b>AMD-HS12 Occupational Health Monitoring procedure</b></li> </ul> <u>To be implemented</u> <ul style="list-style-type: none"> <li>Manager Health &amp; Safety: To conduct A Noise level test while sorting line is in operation to determine noise level and whether further actions are required.</li> </ul>	1	2	2

Ref Hazard	Ref Agent Classification	Who is at risk? (Tick where applicable)	Pre-Control Risk Rating			Control Measures	Post-Control Risk Rating		
			Likelihood	Severity	Risk		Likelihood	Severity	Risk
<b>H16 Radiation</b>	<input checked="" type="checkbox"/> H16.1 Exposure to Electromagnetic fields <input checked="" type="checkbox"/> H16.2 EMF's, microwaves, radio waves, etc.) materials <input type="checkbox"/> H16.3 Welding, Cutting, and Brazing <input type="checkbox"/> H16.4 Other	<input checked="" type="checkbox"/> Worker <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Visitors <input type="checkbox"/> Other	3	3	9	<u>Already in place</u> <ul style="list-style-type: none"> <li>Negative picking process in place; reducing the contact with ferrous material.</li> <li>Ferrous waste originating from household – The probability of having an orphan source in waste is highly improbable.</li> </ul> <u>To be implemented</u>	3	1	3
<b>H17 Slips and trips</b>	<input type="checkbox"/> H17.1 Loose surface conditions <input type="checkbox"/> H17.2 Wet surface conditions <input checked="" type="checkbox"/> H17.3 Object(s) on the floor <input type="checkbox"/> H17.4 Blocked walkways <input type="checkbox"/> H17.5 Uneven surfaces <input type="checkbox"/> H17.6 Small or inadequate walkways <input type="checkbox"/> H17.7 Other	<input checked="" type="checkbox"/> Worker <input type="checkbox"/> Contractor <input type="checkbox"/> Visitors <input type="checkbox"/> Other	3	3	9	<u>Already in place</u> <ul style="list-style-type: none"> <li>SRC S3 Safety shoes provided.</li> <li>Good Housekeeping is maintained.</li> <li>Flooring of container (Sorting room) and stairs are made of chequered plate.</li> </ul> <u>To be implemented</u>	2	2	4
<b>H18 Structural collapse</b>	<input checked="" type="checkbox"/> H18.1 Adverse weather conditions <input checked="" type="checkbox"/> H18.2 Weakened floors, walls, roofs, beams and columns <input type="checkbox"/> H18.3 Building contents that are unstable and displaced <input type="checkbox"/> H18.4 Failing slings or cables while lifting material <input type="checkbox"/> H18.5 Sink holes/ground depression by	<input checked="" type="checkbox"/> Worker <input type="checkbox"/> Contractor <input type="checkbox"/> Visitors <input type="checkbox"/> Other	2	5	10	<u>Already in place</u> <ul style="list-style-type: none"> <li>Loading of container (Sorting room) is minimal and way below the capabilities of the container.</li> <li>Sorting room is anchored to the posts and the ground.</li> <li>Conveyor load is way below the capabilities of the Container (Sorting room)</li> </ul>	1	5	5

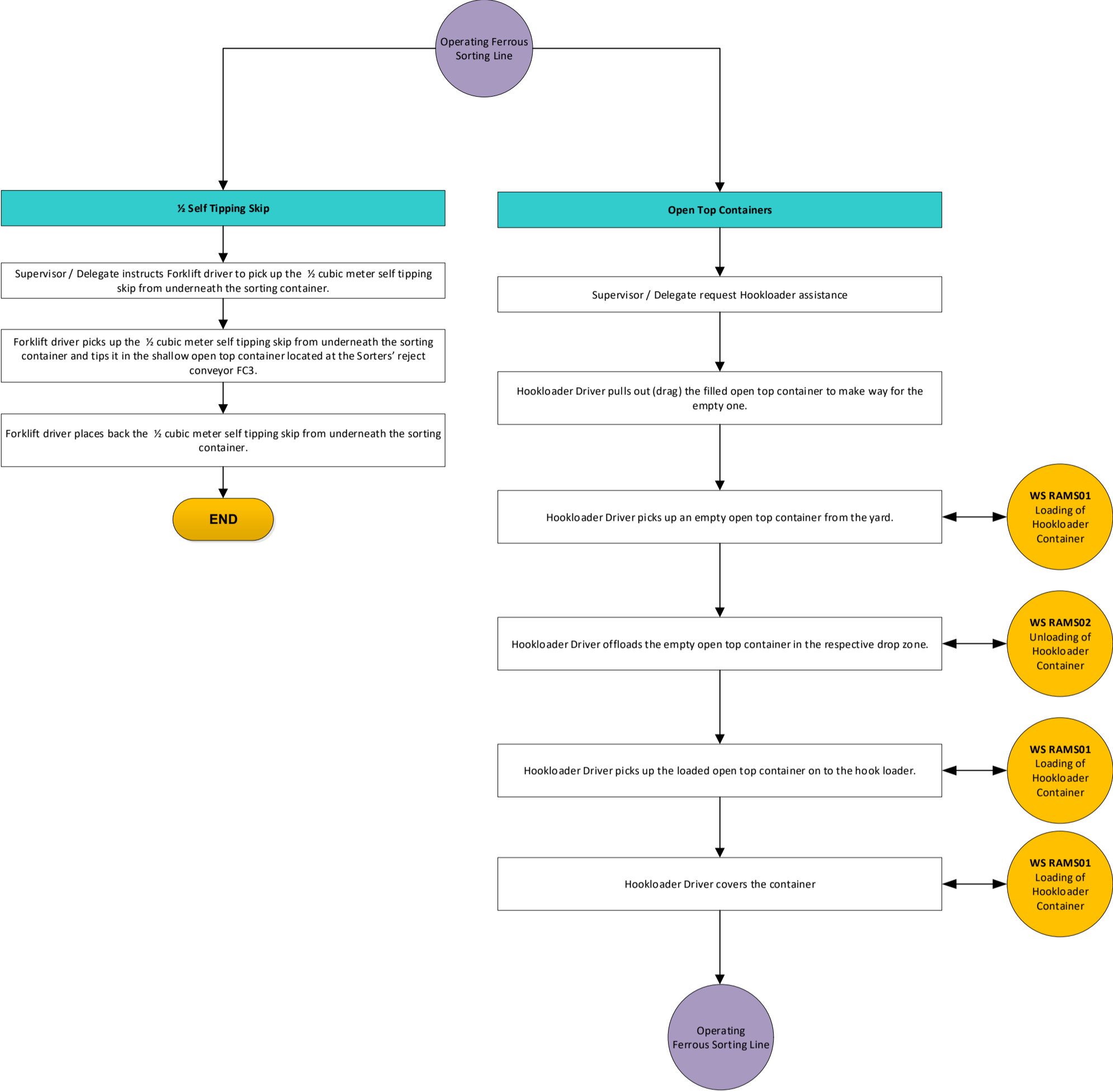
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			Likelihood	Severity	Risk		Likelihood	Severity	Risk
	earth movement <input type="checkbox"/> H18.6 Heavy equipment <input type="checkbox"/> H18.7 Manhole covers and other dangerous opening <input type="checkbox"/> H18.8 Atmospheric changes due to ruptured fuel, gas lines or presence of hazardous chemicals <input type="checkbox"/> H18.9 Floods <input checked="" type="checkbox"/> H18.10 Floor collapse <input type="checkbox"/> H18.11 other					<u>To be implemented</u>			
H19 Vibration	<input type="checkbox"/> H19.1 Hand-held portable power tools <input type="checkbox"/> H19.2 Holding materials in contact with grinding or cutting operations. <input checked="" type="checkbox"/> H19.3 Sitting, standing or lying on a vibrating surface. <input type="checkbox"/> H19.4 other	<input checked="" type="checkbox"/> Worker <input type="checkbox"/> Contractor <input type="checkbox"/> Visitors <input type="checkbox"/> Other	3	3	9	<u>Already in place</u> <ul style="list-style-type: none"> <li>HPD (MPM) shall inspect the vehicle for visible faults prior to operate the equipment and fill out <b>WS125 MPM Pre-use checklist</b> accordingly.</li> <li>Forklift driver shall inspect vehicle and fill out <b>WS096 Fork Lift Truck Daily Checklist</b> prior to operate vehicle.</li> </ul>	1	3	3
						<u>To be implemented</u>			
H21 Work equipment	<input type="checkbox"/> H21.1 Working with powered equipment <input checked="" type="checkbox"/> H21.2 Pinch points, Nip points, Shearing Points, Crush Points, Pull-In Points <input type="checkbox"/> H21.3 Overhead hazards <input type="checkbox"/> H21.4 Fast moving equipment <input type="checkbox"/> H21.5 Lifting equipment such as hoists, lift trucks, elevating work platforms and lifting slings, etc. <input type="checkbox"/> H21.6 Overturning vehicles / working on uneven ground	<input checked="" type="checkbox"/> Worker <input type="checkbox"/> Contractor <input type="checkbox"/> Visitors <input type="checkbox"/> Other	2	5	10	<u>Already in place</u> <ul style="list-style-type: none"> <li>Rotating machinery is covered by guards as per OEM</li> <li>Electrical cabinet is rated to be outdoors as per OEM design and maintained locked.</li> <li>External electrical isolators are IP rated</li> <li>Emergency stop devices installed at key points around machinery.</li> <li>Sorting line design allows for hands free unblocking by rotating machinery in reverse.</li> </ul>	1	5	5

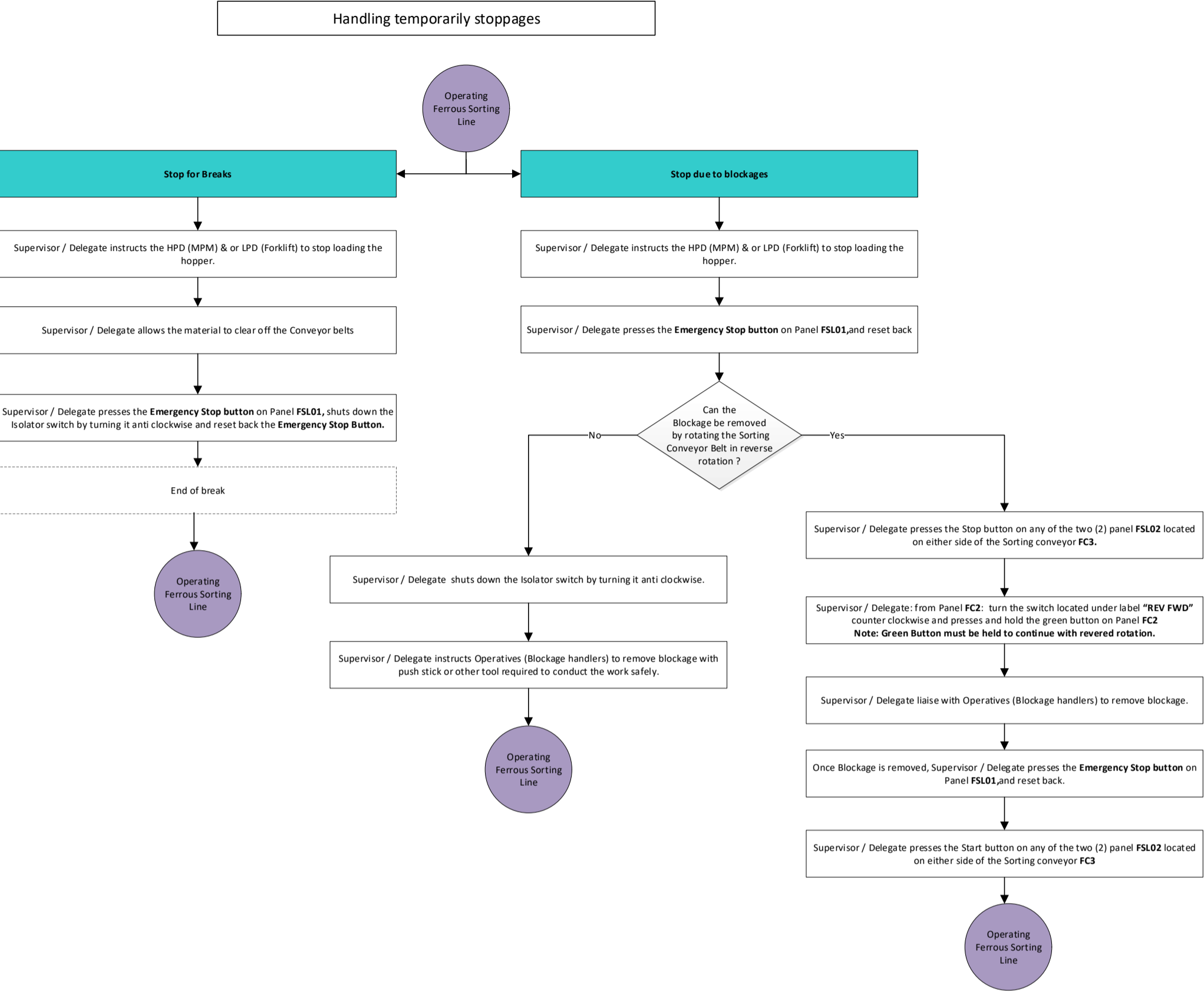
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			Likelihood	Severity	Risk		Likelihood	Severity	Risk
	<input type="checkbox"/> H21.7 Entrapment <input type="checkbox"/> H21.8 Entanglement caused by contact with a single rotating surface <input checked="" type="checkbox"/> H21.9 Accidental start-up, or movement of a machine mechanism <input type="checkbox"/> H21.10 Hard surfaces moving together <input type="checkbox"/> H21.11 Other					<ul style="list-style-type: none"> <li>• ADM HS03 Lockout Tagout Procedure in place for work requiring the removal of guards for repairs.</li> <li>• Isolator switches for machinery can be locked out for maintenance.</li> <li>• Suitably rated overload protection / ELCB in place</li> </ul>			
						<u>To be implemented</u>			

5. Method Statement / Evidence



Changing of Open top containers/ emptying of Self tipping skip



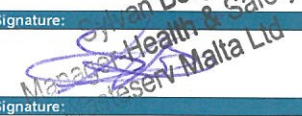


## 6. Records

Records considered critical for this risk assessment are treated as follows:

Reference Document	Person responsible for maintaining the Document	Document Storage Location	Duration of time Records are kept
WS125 MPM Pre-use checklist	SMHS	Health & Safety Office	Two Years
out WS096 ForkLift Truck Daily Checklist	SMHS	Health & Safety Office	Two Years

## 7. RA Approval

Risk Assessor:	Designation:	Date:	Signature:
Sylvan Borg	Manager Health & Safety	13/05/2021	 Sylvan Borg Manager Health & Safety WasteServ Malta Ltd
Attendees:	Designation:	Date:	Signature:
		Click or tap to enter a date.	
		Click or tap to enter a date.	
		Click or tap to enter a date.	
Approvers:	Designation:	Date:	Signature:
Noel Ciantar	Plant Engineer	Click or tap to enter a date.	 Ing. Noel Ciantar Plant Engineer WasteServ Malta Ltd
Karl Mizzi	Facility Manager	Click or tap to enter a date.	 Ing. Karl Mizzi Facility Manager WasteServ Malta Ltd

14/05/2021.