

## 1. General Information

<b>Date:</b> 13/05/2021	<b>OBU:</b> TTF	<b>Reference No:</b> RA/TTF/0521/01
<b>Type of assessment:</b> <input checked="" type="checkbox"/> General Risk Assessment (GRA) <input 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> General Risk Assessment		
<b>Sequence of Works:</b> - Receipt and incineration of clinical, abattoir and hazardous waste		
<b>List of equipment used:</b> Mobile work equipment Screw conveyors Shredders Bin lifters Kiln Bag house filter Boiler Cyclone chamber Autoclave Unit		<b>Staff involved:</b> Approximately 60 employees

## 2. Hazard Identification

*Taken from Controlled document 213 Risk Assessment Methodology*

List of Hazards:	
<input type="checkbox"/> H01 – Asbestos <input checked="" type="checkbox"/> H02 – Chemical and Biological <input checked="" type="checkbox"/> H03 – Cuts <input checked="" type="checkbox"/> H04 – Electricity <input type="checkbox"/> H05 – Ergonomics <input checked="" type="checkbox"/> H06 – Falling objects <input checked="" type="checkbox"/> H07 – Falls from height <input checked="" type="checkbox"/> H08 – Fire and explosion <input checked="" type="checkbox"/> H09 – Flying objects <input type="checkbox"/> H10 – Head injury <input checked="" type="checkbox"/> H11 – Hit by moving vehicles	<input checked="" type="checkbox"/> H12 – Hot or cold climate <input checked="" type="checkbox"/> H13 – Manual handling <input checked="" type="checkbox"/> H14 – Noise <input type="checkbox"/> H15 – Psychological <input checked="" type="checkbox"/> H16 – Radiation <input checked="" type="checkbox"/> H17 – Slips and trips <input checked="" type="checkbox"/> H18 – Structural collapse <input type="checkbox"/> H19 – Vibration <input type="checkbox"/> H20 – Violence <input checked="" type="checkbox"/> H21 – Work equipment <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
<b>H02 Chemical and Biological</b>	<input type="checkbox"/> H02.1 Explosives <input checked="" type="checkbox"/> H02.2 Hazardous to the environment <input 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 checked="" 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 checked="" type="checkbox"/> H02.13 Pests / Rodents <input type="checkbox"/> H02.14 Dust / fibers <input type="checkbox"/> H02.15 Other	<input checked="" type="checkbox"/> Worker <input checked="" type="checkbox"/> Contractor <input checked="" type="checkbox"/> Visitors <input type="checkbox"/> Other	4	3	12	<u>Already in place</u> <ul style="list-style-type: none"> <li>• Direct exposure to waste is avoided as much as possible and waste is moved mechanically.</li> <li>• Air monitoring is carried out periodically.</li> <li>• Clear procedures have been developed on how to receive, handle, and dispose of different types of waste.</li> <li>• Training is given to workers on the procedures developed.</li> <li>• Containers are segregated and clearly labelled.</li> <li>• Containers are cleaned immediately after use.</li> <li>• All employees must attend H&amp;S Induction training. Safety gloves must be worn whenever handling waste.</li> <li>• Safety shoes must be worn at all times.</li> <li>• Respiratory protection must be made available to employees.</li> <li>• Workers are provided with disposable coveralls when working with clinical waste.</li> <li>• All workers must be vaccinated against Tetanus, Hep A, Hep B, and Typhoid.</li> <li>• Hand sanitizers must be made available to workers.</li> <li>• SDS are available at point of use and storage.</li> <li>• Spill kits are available throughout the premises.</li> <li>• The ERT must be trained in spill response.</li> <li>• Health Surveillance is implemented as per <b>ADM HS12 Occupational Health Monitoring Procedure</b>.</li> <li>• Pest Control is in Place.</li> </ul>	3	3	9
						<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 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 checked="" type="checkbox"/> Contractor <input checked="" type="checkbox"/> Visitors <input type="checkbox"/> Other	3	3	9	<u>Already in place</u> <ul style="list-style-type: none"> <li>Direct exposure to waste is avoided as much as possible and waste is moved mechanically.</li> <li>Clear procedures have been developed on how to receive, handle, and dispose of different types of waste.</li> <li>Training is given to workers on the procedures developed.</li> <li>All employees must attend H&amp;S Induction training.</li> <li>Safety gloves must be worn whenever handling waste and/or carrying out cleaning / maintenance duties.</li> <li>Workers are provided with disposable coveralls when working with clinical waste.</li> <li>Safety shoes must be worn at all times.</li> <li>Workers must wear full-length trousers.</li> <li>Any sharp edges must be rendered safe immediately.</li> <li>Guards are in place for rotating machinery</li> </ul>	2	2	4
						<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 checked="" 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 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>Electrical installation must be certified by a competent person on an annual basis.</li> <li>Works on the electrical installation must be carried out by a licensed electrician.</li> <li>Access to electrical panels &amp; distribution rooms must be restricted to authorised personnel only.</li> <li>Warnings must be in place to inform workers and/or others about the risk of electrocution.</li> <li>A logout/tag-out system must be in place when carrying out maintenance / cleaning works on work equipment.</li> <li>All employees must attend H&amp;S Induction training.</li> <li>110V Centre tapped transformer provided for lighting &amp; portable electrical tools</li> </ul>	1	5	5
						<u>To be implemented</u> <ul style="list-style-type: none"> <li>HOM to purchase 110V powered tools &amp; temporary lighting.</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>H06 Falling objects</b>	<input checked="" type="checkbox"/> H06.1 Material leaning or ready to topple over <input checked="" type="checkbox"/> H06.2 Loads raised or passed over people <input type="checkbox"/> H06.3 Toe boards not in place <input 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	5	15	<u>Already in place</u> <ul style="list-style-type: none"> <li>Mobile work equipment must be certified by a competent person. All operators of mobile work equipment must be competent and adequately trained.</li> <li>Operators of mobile work equipment must complete a pre-use checklist before starting work.</li> <li>Operators of mobile work equipment must keep a distance of at least 3m away from pedestrians.</li> <li>Operators of mobile work equipment will not exceed a speed of 10km/h whilst inside the plant.</li> <li>Visitors entering the premises must be accompanied by authorised personnel.</li> <li>All employees must attend H&amp;S Induction training.</li> <li>Material / IBC's shall be adequately stacked.</li> <li>Loads on racking shall not exceed the SWL indicated.</li> <li>Anyone entering the plant must wear hi-visibility clothing.</li> <li>Elevators are enclosed with barriers and interlocks.</li> </ul>	2	3	6
						<u>To be implemented</u>			
<b>H07 Falls from height</b>	<input checked="" type="checkbox"/> H07.1 Any elevated work area temporary installed access platform <input checked="" type="checkbox"/> H07.2 MEWPs <input checked="" type="checkbox"/> H07.3 Any elevated work area fixed or permanently installed access platforms <input type="checkbox"/> H07.4 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>Workers must adhere to ADM HS10 Working at Heights Procedure.</li> </ul>	1	4	4
						<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>H08 Fire and explosion</b>	<input checked="" type="checkbox"/> H08.1 Thermal energy: combustion engines, open fire, Hot surfaces, welding sputters, laser <input 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 checked="" 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 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>Chemicals are stored in a designated area away from the Plant.</li> <li>Fire vaults are provided for flammable substances.</li> <li>Negative pressure kept in part of the plant-(Silos)</li> <li>Plant is equipped with a fire detection and alarm system.</li> <li>Firefighting system is installed covering all areas within the plant.</li> <li>An Emergency Response Plan for the facility is in place.</li> <li>An Emergency Response Team must be available at all times when the plant is in operation.</li> <li>Members of the Emergency Response Team are adequately trained.</li> <li>Fire drills must be carried out twice yearly.</li> <li>Emergency signage must be in place.</li> <li>Emergency lighting must be available.</li> <li>The fire protection systems must be certified on an annual basis.</li> <li>The fire protection systems are checked on a weekly basis.</li> <li>Electrical installation must be certified by a competent person on an annual basis.</li> <li>Hot works must be subject to a permit-to-work system.</li> <li>No smoking is allowed within the plant.</li> <li>The Plant is manned on a 24/7 basis.</li> <li>Operating procedures are in place.</li> </ul>	2	4	8
						<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>H09 Flying objects</b>	<input checked="" type="checkbox"/> H09.1 Piece of material separates from a tool, machine or other equipment <input checked="" type="checkbox"/> H09.2 Pneumatic tools <input checked="" type="checkbox"/> H09.3 Compressed air used to clean surfaces and remove dust/dirt. <input type="checkbox"/> H09.4 Blowing Objects <input type="checkbox"/> H09.5 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>Workers must wear eye protection when carrying out hot works, maintenance works, and when cleaning equipment.</li> <li>Eye protection must be made available to workers.</li> <li>Temporary shields to be erected where possible to shield grinding sparks or other activities involving blowing with compressed air and or generating flying objects.</li> <li>Pneumatic lines with crow foot must be always secured with safety pins.</li> <li>Stores Officers shall ensure that grinding/ cutting disks are within their approved date of use.</li> <li>Appropriate tools to be used for the job, (No home made tools allowed) No striking of hardened tools against hardened objects.</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>H11 Hit by moving vehicles</b>	<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>Mobile work equipment must be certified by a competent person.</li> <li>All operators of mobile work equipment must be competent and adequately trained.</li> <li>Operators of mobile work equipment must complete a pre-use checklist before starting work.</li> <li>Operators of mobile work equipment must keep a distance of at least 3m away from pedestrians.</li> <li>Operators of mobile work equipment will not exceed a speed of 10km/h whilst inside the plant.</li> <li>Visitors must be accompanied by authorised personnel.</li> <li>All employees must attend H&amp;S Induction training.</li> <li>Anyone entering the plant must wear hi-visibility clothing.</li> <li>Seatbelts must be worn when operating vehicles.</li> <li>Good housekeeping in passageways is maintained.</li> <li>Doors leading directly to traffic have barriers in place to protect pedestrians.</li> </ul>	2	4	8
						<u>To be implemented</u>			
<b>H12 Hot or cold climate</b>	<input checked="" 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	3	3	9	<u>Already in place</u> <ul style="list-style-type: none"> <li>Workers are allowed to take regular breaks when assigned strenuous work or during extreme weather conditions.</li> <li>All employees must attend H&amp;S Induction training.</li> <li>Welfare facilities provided.</li> <li>Where possible, work is scheduled to favorable time of the day where weather has the least effect on workers.</li> <li>Sunblock provided to employees working in direct sunlight.</li> <li>Jackets are provided for winter.</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>H13 Manual handling</b>	<input type="checkbox"/> H13.1 Frequent lifting <input 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	3	6	<u>Already in place</u> <ul style="list-style-type: none"> <li>Handling of waste is avoided as much as possible and waste is moved mechanically.</li> <li>Workers are allowed to take regular breaks when assigned strenuous work.</li> <li>Wheeled bins are maintained in house.</li> </ul>	1	2	2
						<u>To be implemented</u>			
<b>H14 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 type="checkbox"/> H14.8 Other	<input checked="" type="checkbox"/> Worker <input checked="" type="checkbox"/> Contractor <input checked="" type="checkbox"/> Visitors <input type="checkbox"/> Other	2	3	6	<u>Already in place</u> <ul style="list-style-type: none"> <li>Work practices are implemented to avoid percussion processes or where high flow air consuming pneumatic tools can be replaced with portable electrical tools.</li> <li>Hearing protection is used whenever pneumatic tools or other noisy equipment is used.</li> <li>Temporary noise deflectors/ shields to be erected where high noise activity takes 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>H16 Radiation</b>	<input type="checkbox"/> H16.1 Exposure to Electromagnetic fields <input type="checkbox"/> H16.2 EMF's, microwaves, radio waves, etc.) materials <input type="checkbox"/> H16.3 Welding, Cutting, and Brazing <input checked="" type="checkbox"/> H16.4 Other	<input checked="" type="checkbox"/> Worker <input checked="" type="checkbox"/> Contractor <input checked="" type="checkbox"/> Visitors <input checked="" type="checkbox"/> Other	3	2	6	<u>Already in place</u> <ul style="list-style-type: none"> <li>Hospitals check clinical waste which could potentially emit radiation before sending it to TTF.</li> <li>Sources utilised at MDH are mainly low strength Alpha &amp; Beta emitters which are easily blocked by the waste container thus risk is very low.</li> <li>Staff measures the level of radiation of incoming clinical waste. If it is found to be emitting radiation it is not allowed inside the TTF.</li> <li>Reference <b>CD 025 Waste Acceptance Requirement.</b></li> <li>Sources utilised at MDH are mainly low strength Alpha &amp; Beta emitters which are easily blocked by the waste container thus risk is very low.</li> </ul>	2	1	2
						<u>To be implemented</u>			
<b>H17 Slips and trips</b>	<input type="checkbox"/> H17.1 Loose surface conditions <input checked="" type="checkbox"/> H17.2 Wet surface conditions <input checked="" type="checkbox"/> H17.3 Object(s) on the floor <input checked="" 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 checked="" type="checkbox"/> Contractor <input checked="" type="checkbox"/> Visitors <input type="checkbox"/> Other	3	3	9	<u>Already in place</u> <ul style="list-style-type: none"> <li>Housekeeping must be ongoing throughout the operations.</li> <li>Workers must use handrails whenever climbing or going down staircases.</li> <li>All employees must attend H&amp;S Induction training.</li> <li>Safety shoes SRC S3 must be worn at all times.</li> <li>Passageways are to be maintained clear at all times.</li> </ul>	2	3	6
						<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>H18 Structural collapse</b>	<input 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 checked="" type="checkbox"/> H18.4 Failing slings or cables while lifting material <input type="checkbox"/> H18.5 Sink holes/ground depression by earth movement <input type="checkbox"/> H18.6 Heavy equipment <input checked="" 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	<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>Racking and elevators shall not be loaded more than their respective SLW label.</li> <li>Elevators &amp; Hoists are routinely inspected as per S.L.424.35</li> <li>Lifts are serviced and inspected as per local regulations.</li> <li>Steel structures are maintained.</li> </ul>	1	5	5
						<u>To be implemented</u> <ul style="list-style-type: none"> <li>To provide a lockable access barrier to roof on top of Incinerator.</li> </ul>			
<b>H19 Vibration</b>	<input checked="" type="checkbox"/> H19.1 Hand-held portable power tools <input checked="" 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	2	3	6	<u>Already in place</u> <ul style="list-style-type: none"> <li>Use of gloves is required when tools generating a substantial amount of vibration are operated.</li> <li>Vehicles seats must be in good condition.</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>H21 Work equipment</b>	X H21.1 Working with powered equipment X 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 X H21.5 Lifting equipment such as hoists, lift trucks, elevating work platforms and lifting slings, etc. X H21.6 Overturning vehicles / working on uneven ground X H21.7 Entrapment X H21.8 Entanglement caused by contact with a single rotating surface X 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	X Worker X Contractor X Visitors <input type="checkbox"/> Other	3	5	15	<u>Already in place</u> <ul style="list-style-type: none"> <li>• Work equipment must be in good condition and adequately maintained.</li> <li>• All work equipment shall carry the CE mark. Safety devices such as guards, interlock switches, emergency stop buttons, etc, shall be kept in good state.</li> <li>• A logout/tag-out system must be in place when carrying out maintenance / cleaning works on work equipment.</li> <li>• All users of work equipment must be competent and adequately trained.</li> <li>• Seat belts must be worn when operating vehicles.</li> <li>• Elevators shall be checked as per S.L.424.35</li> <li>• Safety checks shall be done prior to operate mobile equipment and recorded on their respected check sheet.</li> <li>• Speed limit of 10Km/h shall not be exceeded.</li> <li>• Mobile equipment shall be operated by competent persons only.</li> <li>• Pedestrians shall maintain a safe distance (3m) from moving vehicles.</li> <li>• Hi Visibility Clothing is required inside the plant.</li> </ul>	2	4	8
						<u>To be implemented</u>			

## 5. Method Statement / Evidence





N/A

## 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
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.

## 7. RA Approval

Risk Assessor:	Designation:	Date:	Signature:
	Manager Health & Safety	Click or tap to enter a date. 13/05/2021	
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:
	Facility Manager	Click or tap to enter a date. 14/05/21	
		Click or tap to enter a date.	