

**Risk
Rating**



Risk Assessment & Method Statement

Task/ activity: Operating the Palfinger loading the Metso shredder

Task/ activity description:

A competent operator in the control booth using the Palfinger crane with a grab attachment is loading the shredder in the SRF plant. Additionally loads of waste material are tipped in that area and moved with a loading shovel.

Likely to be effected: Operators, visitors, others

Risk Scoring = multiply severity by probability SxP=R		
Severity	Probability	Risk Category
5 Fatality or disaster	5 Highly likely	
4 Major injury, damage or loss	4 Very likely	High = 15-25
3 Reportable injury or occurrence	3 Likely	Medium = 9-14
2 Minor injury, less than 3 days lost time or minimal loss	2 Unlikely	Low = 1-8
1 Minor injury, no lost time or damage	1 Very unlikely	

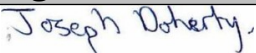
Hazard	Control measures to be taken to reduce risk	Scoring		Risk rating
		S	P	
Crane contact with people	- Door 5 is a controlled environment no persons allowed on the floor when the plant is running. - Only trained competent and authorised operatives to operate the crane. - Ground to be marked as no access for people. - Signage displayed - PPE must be worn on site Hi-vis clothing - All operatives to use two-way radio - Operative to control work area maintain all round awareness aided by CCTV - Loads never to be lifted above people	5	1	5
Crane contact with Vehicles	- Operatives to be trained in the safe use of this system - Operative to ensure crane is under control when a vehicle enters the work area	4	2	8

	• Operative to maintain 5 meters distance from any vehicle • If a loading shovel has entered the area crane operator must communicate with the operator via radio contact • Crane operator to perform a pre-use check of crane and grab before using it. • If a vehicle has entered the area either tipping or waste management. Crane operator to ensure grab is in a safe location			
Fire hazards	• Crane operator to make sure thermal imaging cameras are working and operational • Fire hoses are fixed in suitable locations • Sprinkler system is on standby • There is always a fire warden during operations of the plant • Suitable fire extinguishers are available. • All staff to receive regular information, instruction and training in regards fire safety and emergency procedures.	5	2	10
Crane Failure	• Crane operator to perform a pre-use check of crane and attachment before use including hydraulic function, obvious signs of damage and fixing points between attachment and crane. Are all bolts tight? No leaking hydraulic hoses? • Door 5 is a controlled environment no persons allowed on the floor when the plant is running. • Only trained competent and authorised operatives to operate the crane. • Ground to be marked as no access for people. • Signage displayed • PPE must be worn on site Hi-vis clothing • All operatives to use two-way radio • Operative to control work area maintain all round awareness aided by CCTV • Loads never to be lifted above people	4	2	8
Ejected Debris from shedder or grab	• All shedder access doors must remain locked during operations of the plant. Can only be opened under supervision for	4	2	8

	maintenance. • Door 5 is a controlled environment no persons allowed on the floor when the plant is running. • Only trained competent and authorised operatives to operate the crane. • Ground to be marked as no access for people. • Signage displayed • PPE must be worn on site Hi-vis clothing • All operatives to use two-way radio • Operative to control work area maintain all round awareness aided by CCTV			
Work Equipment	• Only trained & skilled operatives to operate plant & equipment in a controlled and supervised manner, • effective equipment removed from use public excluded from the workplace.	4	2	8
Noise	• Ear plugs must be worn during operations of the plant. • Ear protection will be enforced • Signage is displayed • Staff to be given regular information and training in regards the hazards of the SRF plant and the effects of uncontrolled exposure • Noise surveys to be carried out at suitable intervals	4	2	8
Dust	• Engineering controls to be reviewed at suitable intervals • Dust masks with FFP 3 protection are available. • External Dust surveys to be completed at suitable intervals. • Findings from dust surveys to reviewed and relayed to operatives working in the area. • Staff to be informed with regular information and instruction in the hazards and effects working the SRF plant. • Internal dust monitoring procedures to be researched and implemented	3	2	6

	- Vacuum cleaning system to be implemented. - Operatives to maintain a suitable housekeeping procedure to prevent a dangerous build-up of dust.			
Maintenance	- Permit to work to be completed before any maintenance can be completed - Maintenance works to be planned with supervisor before work can start. - Plant must be shut down before any maintenance can be performed. - Staff in surrounding are to be made aware of the maintenance work and the importance to stay out of the work area - Maintenance must be carried out under supervision - Safety must be a top priority - Machines must be isolated - Props and physical barrier's must be in fixed in position - Refer to manufactures instructions. - Operative must be competent to perform the maintenance task - Any doubts operative/ supervisor must consult manufacturer - Safety devices must never be bypassed - Hot works must be planned/ permits complete - Working at height to be planned and supervised. Care given to selection of access equipment	5	2	10

Approval and review

Assessor:	Signature:	Position:	Date:
Wesley Jameson		Health & Safety Manager	Apr 2024
Approved by:	Signature:	Position:	Date:
Joseph Doherty		Chief Executive Officer	Apr 2024
Reviewed on:	Apr 2024	New version number:	2

Date of next review:

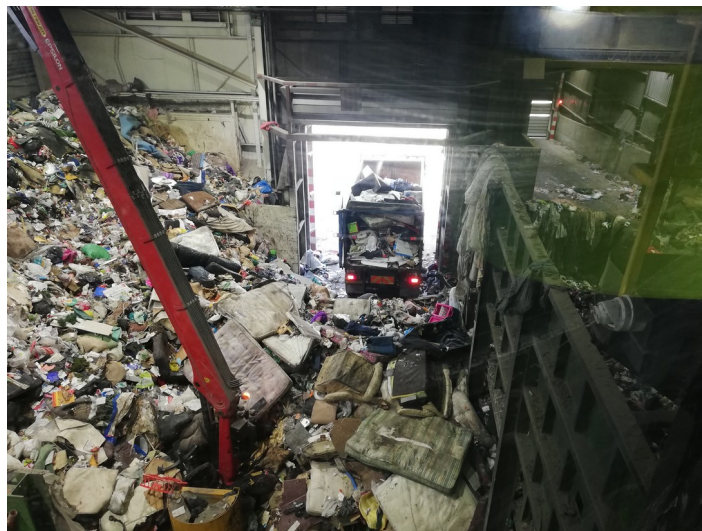
Apr 2025, or as an when required

PPE Requirements

- Bump cap/ hard hat (Drivers only), safety gloves, safety boots, hi-vis clothing, 2-way radio

Method statement

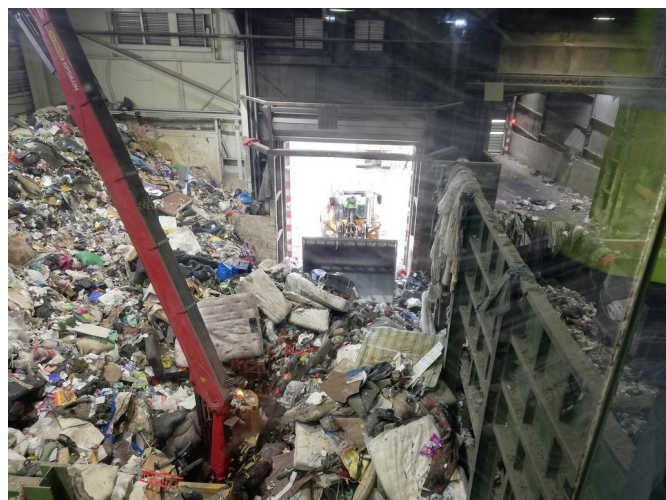
- Crane to be inspected before plant is in operation including a visual check of the grab attachment and a hydraulic function and operations check before working the crane.
- Waste will be tipped in bunker five by waste operatives. Some may be outside contractors.



- Crane Operative to be aware of people and vehicles and as far as is possible must maintain five meters from vehicles and people. Within five meters is classed as a near miss and must be investigated. With footage send to relevant parties.
- Bunker 5 is a controlled environment. No persons are allowed on the floor of the plant with machines and vehicles are in operation
- Crane operators must maintain awareness of the work area using the cameras in the control booth and also all-round visual checks.



- The Crane will be subject to suitable maintenance schedules as per manufacturers recommendations.
- Crane operator to be aware to the grab back swing to operate as smooth and safe as possible maintaining a safe distance from the building, machinery and vehicles as possible.
- Operative to grab to pick any unsuitable items such as bulky plastics to separate from the SRF materials.
- A loading shovel will at times enter the area to move materials into separate piles. Loading shovel may also be delivering material to be processed through the SRF plant.



- If a loading shovel is entering the area the operator must maintain constant radio contact with the shovel operator. Crane operator must ensure the grab attachment is in a safe place and there is no contact with the vehicle.
- Crane operator to pick suitable sized loads from the waste material pile.

- Crane operator be aware for any heavy material that may cause the grab to swing or lose control.
- When moving the load to the Shredder the operative must ensure never to raise the load over any persons or vehicles.
- The load should be transported as low as possible until in front of the shredder.
- The load should then be raised over the shredder. Operative to perform all round checks before releasing the load into the shredder.

HAZARD IDENTIFICATION/RISK ASSESSMENT:

The main hazards are: (See risk assessment list below)

- People
- Vehicle Contact
- Slips/trips
- Lifting Equipment Fail
- Dropped loads
- Working at Height
- Fire

Resources:

(Include manpower to be used, supervisor's name, numbers, plant, equipment, etc.)



1.	Palfinger Crane with grab attachment
2.	<u>Supervisor:</u>
3.	<u>Operatives:</u>
4.	Metso Shredder

PLANT AND EQUIPMENT:

All plant and equipment issued on site will be kept in a good and safe working condition and used in a safe working manner only for its intended purpose. Operatives will be instructed in pre-operational inspection procedures and any defective plant or piece of equipment will be removed from the operations and reported immediately. Operatives will be instructed not to use defective equipment. Defective equipment must be repaired or replaced. Access equipment to be provided by client at the site.

Emergency Arrangements:

In the case of an emergency, the procedures specified in Regens accident/emergency plan will be activated. All information is held by the main office file and known by supervisors. Workers know to inform supervisors immediately of any such event by radio.

Nearest Emergency Departments/facilities for this project:

	Daisy Hill Hospital 5 Hospital Road, Newry BT35 8DR Phone: 028 3083 5000
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In case of emergency and depending on seriousness of emergency, Supervisor will contact the emergency services.

Dial 999, ask for the relevant emergency service (i.e. Police, Fire, Ambulance) and state clearly the nature of the emergency and give the exact location.
Any first aid requirements will be dealt with by first-aiders on site.
All details for contacting those in the event of an emergency are highlighted below.

Emergency Contact

Emergency Services: Fire – Police - Ambulance	999
Plant Manager	Gerard Campbell
Supervisor	Mateusz

ACCIDENT REPORTING:

All accidents, no matter how minor will be reported and recorded in the online accident reporting system I-auditor and reported to the Health and Safety Manager.

Temporary Amended Systems:

(Will the works affect any other site operations, access routes or the traffic management for example?)

Non-stated

Who will the information communicated to?:

Any significant changes in work procedures or tasks to be done will result in method statement being reviewed and re-communicated to those involved in the task.

Monitoring and Compliance:

It will be the responsibility of the named supervisor under the resource section to monitor works involved and enforce safety procedures and rules.

HEALTH AND WELFARE:

Toilet facilities shall be accessed via the main building.

Information, Instruction and Training:

- Operatives to be trained in the safe use of this system.
- Staff to be informed with regular information and instruction in the hazards and effects working the SRF plant.
- Supervisors should ensure that plant and access equipment are inspected daily, and that workers understand that they must not use them until after inspection has been carried out.
- Employees to be giving adequate information and instruction for emergency procedures.
- Supervisors are experienced in the inspection of plant, or other access equipment in use.