


Risk Rating

Risk Assessment & Method Statement

Task/ activity: Operating the baler and Cross-wrap at the SRF output.

Task/ activity description:

Bale wrapping machine is a specific apparatus allowing the bandage with automatic plastic film of bales of waste.



Likely to be effected: Operatives, visitors

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	
Vehicle Pedestrian Contact - Death - Major Injury	- Only trained, competent personnel or persons under the direct supervision of a competent person for training, maintenance or inspection purposes are authorised to be in this area. - Physical barrier in place to separate the vehicles and pedestrians. - The work area is a controlled environment, no personnel is authorised on the floor of the plant during	3	2	6

	operations. Non-essential staff to be excluded from the area. • Wrapper operator and vehicle operators to be vigilant at all times. • Employees must follow dedicated walkways to the work area. • Five- meter rule is in strict effect. • All employees must maintain two-way radio contact. • Work area is inspected at suitable intervals. • Plant machinery must be fitted with rear and side view cameras. • Plant operators must carry out pre-use checks every day and ensure their mirrors are clean and suitably positioned. • Work area must have sufficient lighting. • Employees to receive regular information, instruction, and training.			
Crushing/ Entanglement • Death • Major injury	• Machine operated by trained, experienced and authorised staff or under the direct instruction and supervision for internal training purposes. Operatives must not approach the Wrapper and associated conveyors when machine is in motion and maintain safe distance from moving parts. Working section of the to be enclosed by physical means of separation as far as is reasonably practicable. • Fixed and interlocking guards in place at all times, inspected on regular basis. Operatives must make sure that all access doors are in place and secured. All safety devices fully operational. Faulty equipment to be reported and fixed prior to operation. • Safety guard • Operatives can only get access to the	5	2	10

	machine through the access door with interlock safety device fitted bringing machine to halt when door opened. • Operatives need to take special care when replacing plastic wrap, must make sure that machine is stopped and requires reset before next start. • Operatives must not interrupt sensors to change position of system modules. • No maintenance to be carried out without Lock-out/tag-out procedure in place. When direct access to dangerous part of machinery is required, lock-out procedure must be followed: main source of energy turned off with padlock/hasp put on isolator and tagged. Check for stored energy to be carried out before maintenance commences. • Emergency stop button on control unit to bring machine to stop in case of emergency, emergency stops are to be tested at suitable intervals. • Operatives must be trained and competent to perform recommended manufacturers maintenance. • Employees must use safe means of access in strict compliance with lock out procedures during maintenance activities. • Operatives must ensure radio batteries are properly charged and maintain radio contact with their supervisors and colleagues. • Operatives must be aware of the content of this assessment and be made aware of the hazards and control measures and safety devices required.			
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	- Employees must wear full personnel protective equipment during maintenance activities. Safety gloves, Steel toe cap boots, bump cap, safety glasses and protective hi-vis workwear. - Employees must be aware of their responsibility to report any unsafe condition, maintenance issue or other concerns.			
Fire hazard - Risk of serious injury or death - Asphyxiation from smoke inhalation	- Only competent authorised personnel to carry out this work. - Operative will receive frequent information instruction to reinforce good practice. - MSW is a controlled environment no unauthorised entry during work. - Smoking only authorised in designated areas. - Housekeeping to be completed at suitable intervals. - Thermal imaging cameras are always monitored during plant operations. - Fire wardens are always on site when during plant operating times. - Smoke Detection systems in place. - Fire watch to be carried out after the plant has stopped running. - Fire prevention plan is complete. - Fire risk assessments are completed annually. - Fire extinguishing equipment readily available and regularly maintained. - Sprinkler system, fire alarm system and all other statutory inspections are completed in compliance with industry specific best practice and health and safety guidelines. - Mobile plant machinery is fitted with	5	2	10

	independent extinguishing systems. Internal monitoring program for fire safety is in effect.			
Bales Collapse - Death - Major injury	- Work area is a controlled environment - no unauthorised access is permitted. - Cross-wrap is an enclosed process, physical barriers to separate the bale on the conveyor from the operator. - Cross-wrap is inspected at suitable intervals by a competent third-party engineer. - Plant manager to ensure operatives carryout required maintenance as per manufacturer's instructions.	5	2	10
Noise - Deafness/ Hearing loss - Tinnitus	- Ear protection 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 - Respiratory illness - Explosion	- 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	4	2	8

	plant. - Internal dust monitoring procedures to be researched and implemented. - Vacuum cleaning system to be implemented. - Operatives to maintain a suitable housekeeping procedure to prevent a dangerous build-up of dust.			
Maintenance - Death - Major injury	- 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 area 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 manufacturer's instructions.	5	2	10
Slips and trips Major injury	- Safety footwear must be worn. - Good level of housekeeping to be maintained as far as practicable. - Loose material to be removed regularly.	4	2	8
Lack of information, instruction, and communication - Complacency - Lack of supervision	- All employees receive full induction identifying the key information necessary to stay safe. - Operatives to receive adequate job specific training that will be	4	2	8

	refreshed at suitable intervals. - Operatives must work under direct supervision from competent employee for an appropriate period. This internal training program is required to ensure the new operative can attain the knowledge and experience to perform the work safely. - The employee must be assessed after an appropriate time to ensure they retain the information and knowledge required. - Signage to be displayed identifying hazards and PPE required to enter the area. - Emergency procedures to be displayed and reinforced with regular toolbox talks. - Operative to communicate with supervisor and others before and after works. - Employee's must inform their supervisor of any incidents, or if they are unsure of any task of requirement.			
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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:	3
Date of next review:	Apr 2025, or as an when required		

PPE requirements

- Employees must wear full personnel protective equipment during maintenance activities. Safety gloves, Steel toe cap boots, bump cap, safety glasses and protective hi-vis workwear.

Method statement

- Only fully trained, experienced staff is authorised to operate the machine.
- Machine is fully automated so there is no need of manual intervention during normal operation.
- Bales are received from baler, then pushed on conveyor, turned on turning table, transported to the Wrapping Unit and End Conveyor. This process is automated and controlled by photo sensors.
- Physical barriers as high fence, access doors and safety guards prevent workers from getting access to moving parts of machinery and from being hit by ejected objects.
- Operatives can only get access to the machine through the access door with interlock safety device fitted.
- Operatives to be vigilant of their surroundings at all times due to activity of vehicles (excavator, lorry).
- Operatives must take special care when replacing plastic wrap rolls. They must make sure that machine is stopped and take necessary precautions to prevent it from unexpected start. Position of wrapping unit is adjustable to ensure fast and convenient replacement of film rolls without need of climbing onto machine.
- Any equipment failures must be reported.
- Any repairs must be carried out by authorised Personnel, with full adherence to lock-out/tag-out procedure. Check for stored energy must be carried out before getting direct access to the machine.
- Operatives must maintain safe access/egress to the machine and make sure that all evacuation routes are clear and unobstructed.
- Operatives must use Two-way radio communication to inform about their locations and tasks they undertake and must be fully aware of risk coming from possible vehicle traffic in vicinity of the machine.
- Any queries must be addressed to Plant Supervisor and advice must be sought prior to wrapping operation.