

Health, Safety & Environmental Risk Assessment Manual for the Wood Waste Fuel Storage Facility,

Old Oil Well Pad Waste Storage Facility, New Farm, Froyle Lane, South Warnborough, Hook, Hampshire. RG29 1SH.

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Risk Assessment Methodology

The terms “hazard” and “risk” are frequently used in Health & Safety Regulations, Approved Codes of Practice and published guidance. It is important to appreciate what these terms mean:

- **Hazard** is the potential to cause harm to a person, the environment or asset;
- **Risk** is a function of the probability (or likelihood) of that harm actually occurring and the severity of its consequences.

The extent of the risk should also take account of the number of people and environmental system exposed to the harm.

Assessment of the Risk

For each task identified, an assessment of the risk needs to be made. In the majority of cases, the level of risk associated with a task can be derived from experience. In certain circumstances a more systematic approach may be preferred. Either way, the aim of assessing the risk is to produce a priority list of hazardous tasks for action. The higher the risk the greater the need for control.

The next stage of the assessment process is to identify the control measures that are currently in place to protect the receptors exposed to the hazards created by the task or item. Current control measures may include physical controls (e.g. guarding, bunding, fencing, personal protective equipment (PPE), etc.), procedural controls (e.g. safe working procedures, FPP, Stock control, information, instruction and training) or monitoring (e.g. maintenance inspections, statutory testing, stockpile monitoring, etc.).

“Common Control Measures” - For many of the hazards and risks identified, there are several common control measures which when applied, contribute to a reduction in the “Initial level of Risk” as well as any potential severity. Rather than duplicate these common control measures, four separate tables (Documentation, People, Machinery / Plant and General Safety) have been created at the beginning of the assessment document. These “Common Control Measures” should be adhered to in all relevant instances.

Having established what the current control measures are, the next stage is to decide whether they reduce the risk of harm to the receptors exposed to an acceptable level. When establishing how effective the control measures are at reducing the risk, it is important to consider factors such as whether the control measures are suitable for the types of hazard, are they utilised correctly and are they adequately maintained? If it is decided that the current control measures do not provide sufficient protection to the persons exposed, then “Further Precautions are Required”.

Risk Matrix

The following system gives a simply way to determine the relative importance of risks. It takes account of the consequence (i.e. what is the worst likely outcome) and the probability (or likelihood) of the event occurring. This method also incorporates a judgment as to whether or not a risk is acceptable.

For each hazard identified for each task ask the question “what is the worst likely outcome?” This can vary from a fatality, major environmental incident or extensive damage to assets down to a minor injury, environmental or asset damage? Next, make a judgment of the probability or likelihood of harm occurring:

PROBABILITY / LIKELIHOOD	DESCRIPTION
Likely	Occurs repeatedly
Probable	Will occur several times
Possible	Could occur sometime
Remote	Unlikely, though conceivable

Improbable	So unlikely that probability is close to zero
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Decisions as to whether or not action is needed can then be made by reference to the following matrix:

	Likely (4)	Probable (3)	Possible (2)	Remote (1)
Fatal Injury/Major Incident (4)	High	High	Med	Med
Major injury/Major Incident (3)	High	High	Med	Low
Minor injury/Minor Incident(2)	Med	Med	Low	Low
No injury/No Incident (1)				

KEY	
High (9-16)	1 st rank actions - must receive immediate attention to reduce the risk
Medium (4-8)	2 nd rank actions - must receive attention as soon as possible to reduce the risk
Low (2-4)	3 rd rank actions - requires attention
	Acceptable risk - no action required – monitor control measures

Items from the first rank should be prioritised first, followed by those from the second rank and then those from the third rank.

Note: The matrix given above represents a minimum standard. It is possible to reflect higher standards within the Estate by extending the appropriate type of shading and hence priorities for action.

Further Action Required

When considering what further action is required (if any) the following hierarchy of measures to prevent or reduce the exposure of receptor to the hazard is considered:

- Elimination - e.g. buying ready sawn timber rather than using a chainsaw;
- Substitution by something less hazardous and risky;
- Enclosure - Guarding / segregation of people or sealing of a site surface;
- Safe system of work – Formal written procedures;
- Adequate supervision;
- Identification of training needs - Information / instruction;
- PPE - Personal protective equipment (always a last resort).

In most cases a suitable combination of control methods will be necessary.

Recording the Assessment

Having assembled the information the next stage is to document the findings of the assessment. The document should then be brought to the attention of all relevant employees. Ideally staff should sign to state that they have read, understood and, will comply with the findings of the assessment.

Reviewing the Assessment

The Assessment should form a “living” document, which is revisited if circumstances change. It should definitely be reviewed when:

- There is reason to suspect the assessment is no longer valid;
- There has been a significant change in the work;
- The results of monitoring and/or health surveillance shows it to be necessary;
- The review date given on the assessment is reached.

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Common Control Section	Receptors at Risk*			Current Control Measures	Initial Level of Risk	Further Action Required	Residual Risk Rating
	Env	E/C	V				
MANAGEMENT (DOCUMENTATION)	✓	✓	✓	<ul style="list-style-type: none"> • CoSHH Assessments have been completed for all hazardous substances on site and control measures communicated to all staff. • FPP completed 02/07/2020 and control measures implemented. • Health & Safety Law poster on display. • Employers Liability Insurance certificate on display. • Contractors & Agency staff must first be inducted on site by first going through a presentation and then signing to acknowledge they understand the site rules. • Permit to Work system in place which covers hot works, maintenance works where necessary, confined space entry and working at heights. 	Low		Low

*Receptors at Risk: (Env) Environment, (E/C) Employees/Contractors, (V) visitors / tenants / public

Common Control Section	Receptors at Risk* Env E/C V			Current Control Measures	Initial Level of Risk	Further Action Required	Residual Risk Rating
PEOPLE	✓	✓	✓	<ul style="list-style-type: none"> • All personnel are formally trained (and certificated) as appropriate and training is undertaken every 3-5 years, or as per the operators training certificate. • Relevant operatives have had General Fire Safety Training which includes the use of fire extinguishers. • A Training Matrix is maintained which includes employee name, dates of training and refresher training dates; • No Young Persons are allowed to operate any plant / machinery. • Formal check undertaken to ensure employees have had a relevant immunisations and vaccinations. Staff Declaration signed; • All staff have been instructed on how to lift and carry heavy objects via the Manual Handling Awareness training course. • Lone working issues countered through use of regular personnel checks on mobile phones and weigh in/weigh out checks on visiting trucks. 	Low		Low
MACHINERY				<ul style="list-style-type: none"> • Daily machinery checks are completed as the first task each day; • Daily checks are signed off weekly by management. • Defects are noted on a Defects Register for repair on a daily basis. • Daily toolbox talks on are held to discuss any identified defects found. 	Low		Low

Common Control Section	Receptors at Risk* Env E/C V			Current Control Measures	Initial Level of Risk	Further Action Required	Residual Risk Rating
	✓	✓	✓	<ul style="list-style-type: none"> • All machinery repairs are undertaken by a competent in-house fitter or approved service dealers. • In-house fitter records any actions taken to rectify all identified defects onto the Defects Register. • All defects are “closed out” by Management. • All machinery is “key controlled”; a key box (secured by padlock) holds all keys which are collected and returned on a daily basis or key are kept by the relevant machine in a coded safe box. • Management undertake random daily visual checks of machinery to ensure keys are not left in position (i.e. are kept secure to prevent unauthorised start up). • All machinery is switched off, engine stopped and keys removed when not in direct use. Where relevant cabs of machinery are left secure. • A Master Servicing Schedule is maintained for all machinery which is monitored by management. • All machinery servicing is undertaken by external engineers or competent in-house fitter. • Records of all machinery servicing are maintained. • Manufacturer / supplier’s instruction / safe use manuals available for all machinery. • Spill kits available on site as required. 			

Common Control Section	Receptors at Risk* Env E/C V			Current Control Measures	Initial Level of Risk	Further Action Required	Residual Risk Rating
	✓	✓	✓	<ul style="list-style-type: none"> • All relevant machinery / lifting equipment is subjected to a thorough examination by a competent person (LOLER) at the required intervals; all examinations are recorded onto the Master Servicing Schedule. • All relevant machinery is subjected to a Written Scheme of Examination by a competent person (Pressure Regulations) at the required intervals; all examinations are recorded onto the Master Servicing Schedule. • Formal inspections of emergency stop buttons, fixed guarding and any interlock guards fitted to the machinery (such as the conveyor systems, dryers, etc.) are undertaken. • All site electrical installations subject to a formal examination / test by a competent electrician. • Formal portable appliance testing (PAT) undertaken by approved contractors on an annual basis. • Any work close to overhead power or telephone lines will be controlled as per relevant regulations. 			

Common Control Section	Receptors at Risk* Env E/C V			Current Control Measures	Initial Level of Risk	Further Action Required	Residual Risk Rating
GENERAL CONTROLS	✓	✓	✓	<ul style="list-style-type: none"> • All visitors / delivery and collection vehicles to the site are required in the first instance to report to the Weighbridge or Reception office. • Relevant warning notices (speed restrictions, PPE, etc.) including a Site Safety notice at the entrance to the site are displayed. • First Aid provisions available; Trained and appointed first aiders. First aid kits are located in Plant cabs. • Site confirmed as having no asbestos containing materials (ACM's) as part of the construction of the buildings. • PPE – Safety boots and high viz are mandatory across the site; safety goggles / glasses are available for use if required; gloves are mandatory for all employees handling wastes; • Spill kits available within site to deal with any burst pipes or other spill incidents. 	Low		Low

No	Potential Hazard	Risks Identified	Receptors at Risk* Env E/C V			Current Controls (PPE – personal protective equipment)	Initial Level of Risk	Further Precautions Required	Residual Risk Rating
1.	FIRE	Smoke inhalation, Burns, Loss of life, Faulty electrics, Ignition sources, Combustible materials, Environmental impacts Smoke & Ash deposits on vegetation & water courses	✓	✓	✓	<ul style="list-style-type: none"> • Refer to “Common Control Measures - Management (Documentation)” above. • Refer to “Common Control Measures - General Safety” above. • Refer to “Common Control Measures - Machinery” above. • Refer to Fire Prevention Plan for stockpiles of combustible waste; • Fire Log in place and maintained. • Fire extinguishers located in machinery cabs as required. • Service maintenance contract in place and all machinery is serviced in line with manufacturer’s recommendations. • Old Oil Well Pad management system will minimise fire risk when followed. • Old Oil Well Pad infrastructure, location and setting are well set to minimise fire risk from operations. • No nearby local water courses. • No nearby receptors. • No nearby designated sites. 	Low		Low

No	Potential Hazard	Risks Identified	Receptors at Risk*			Current Controls (PPE – personal protective equipment)	Initial Level of Risk	Further Precautions Required	Residual Risk Rating
			Env	E/C	V				
2.	THIRD PARTIES	Injury to staff, themselves or third parties from contractor's work, Vehicle Movements.	✓	✓	✓	<ul style="list-style-type: none"> • Refer to “Common Control Measures - Management (Documentation)” above. • Refer to “Common Control Measures - General Safety” above. • Vehicle movements assessed separately (see below). • Weighbridge & Reception clearly signposted with space for parking. • Majority of delivery / collection drivers are well versed with the farm layout (regular visitors to the farm). • Management and staff constantly vigilant to the presence of visitors (especially pedestrians). • PPE – See “Common Control Measures - General Safety” above; • Contract approval process in place – contractors must first be approved before being allowed on site; 	Low		Low

No	Potential Hazard	Risks Identified	Receptors at Risk*			Current Controls (PPE – personal protective equipment)	Initial Level of Risk	Further Precautions Required	Residual Risk Rating
			Env	E/C	V				
						<ul style="list-style-type: none"> Contractors & Agency staff must first be inducted on site by first going through a presentation and then signing to acknowledge they understand the site rules; 			
3.	VEHICLE MOVEMENTS	Collision of vehicles or a vehicle into property or pedestrians due to bad weather; health problems, fatigue, distraction & complacency.	✓	✓	✓	<ul style="list-style-type: none"> Refer to “Common Control Measures - Management (Documentation)” above. Refer to “Common Control Measures - People” above. Refer to “Common Control Measures - General Safety” above; PPE – Hi-viz clothing, & safety footwear; Visitors to be escorted at all times by their host when walking the site; Designated parking outside office buildings at New Farm away from traffic routes; speed limit across the whole site; Driving behaviour is monitored by management and addressed during appraisals or sooner if required; Road surface periodically maintained; 	Low		Low

No	Potential Hazard	Risks Identified	Receptors at Risk* Env E/C V			Current Controls (PPE – personal protective equipment)	Initial Level of Risk	Further Precautions Required	Residual Risk Rating
						<ul style="list-style-type: none"> • main site entrance with speed limits and traffic calming measures; • Convex mirrors utilised wherever they may aid visibility; • Reversing lamps on all vehicles; • Vehicle mirror and reversing beepers on vehicles; • Vehicles turn rather than reverse wherever possible; • Reversing to be under control of site personnel; • No reversing towards sump; • Operatives not approach/enter a 2 meter radius of any other vehicle; • All customers tipping/receiving product must report to the weighbridge on arrival; • Designated loading & unloading areas communicated on arrival; • Drivers to remain within cabs if they are receiving a load; • Deliveries are planned in and therefore expected by site staff; 			

No	Potential Hazard	Risks Identified	Receptors at Risk* Env E/C V			Current Controls (PPE – personal protective equipment)	Initial Level of Risk	Further Precautions Required	Residual Risk Rating
						<ul style="list-style-type: none"> Old Oil Well site is located on a very large farm that operates a huge grain drying facility and so is well organised and able to take the minimal increase in traffic movements that this operation will cause. 			
4.	MANUAL HANDLING	Back injuries, Muscle strain, Hernia, Injuries to hands and feet, Slips and Trips.	✓	✓		<ul style="list-style-type: none"> Refer to “Common Control Measures - Management (Documentation)” above. Refer to “Common Control Measures - People” above. Refer to “Common Control Measures - General Safety” above. Manual handling is avoided if at all possible. Mechanical movement of loads / goods utilised wherever possible. Team lifting strategy encouraged where relevant and necessary. Workers aware not to lift beyond their capacity and ask for help if needed. PPE - Safety boots; All operative staff has received the Manual Handling Awareness training course on lifting and carrying techniques. 	Low	<p>Complete specific manual handling assessments for all significant manual handling activities (this is especially important for handling of items >25kgs).</p> <p>Monitor all areas and remind workers to keep floor areas free of tripping hazards.</p>	Low

No	Potential Hazard	Risks Identified	Receptors at Risk* Env E/C V			Current Controls (PPE – personal protective equipment)	Initial Level of Risk	Further Precautions Required	Residual Risk Rating
5.	DUST	Respiratory infection, Respiratory disease, Eye, ear & nose irritation, Skin irritation, Poor visibility on access road leading to possible incidents Dust deposits on water courses and vegetation	✓	✓	✓	<ul style="list-style-type: none"> • Main area around New Farm buildings swept and bowsered as necessary. • Access road to Old Oil Well Pad bowsered as required until tarmac laid • Wood fuel stockpiles already processed prior to delivery to site so no processing dust generated. • Wood fuel is screened prior to arrival so minimal dust present in waste. • Old Oil Well Pad is effectively screened by trees which provide a wind break so minimal dust will be generated in this way. • Concrete surface within Old Oil Well Pad site will be bowsered and cleared as required. • Drop height when loading trucks or stockpiling to be kept as low as possible. • Double handling wood waste to be avoided. • Trucks discharge by walking floor so minimal dust generated by this operation. 	Low	Access road to Old Oil Well Pad to be tarmacked.	Low

No	Potential Hazard	Risks Identified	Receptors at Risk*			Current Controls (PPE – personal protective equipment)	Initial Level of Risk	Further Precautions Required	Residual Risk Rating
			Env	E/C	V				
						<ul style="list-style-type: none"> • Relatively few vehicle movements a day so minimal opportunity for dust generation. • Most operations undertaken using machines – cabs provide dust protection for operator. • Bowser available to dampen waste stockpiles if required. • Machinery cabs equipped with first aid boxes including eye wash bottles. • No local water courses • Minimal risk to dust on vegetation 			
6.	NOISE	Hearing damage, masking warnings, Communication hindrance Impact on local environment	✓	✓	✓	<ul style="list-style-type: none"> • Refer to “Common Control Measures - Management (Documentation)” above. • Refer to “Common Control Measures - People” above. • Refer to “Common Control Measures - General Safety” above. • Most operations undertaken using machines – cabs provide noise protection for operator. • Hearing protection recommended when using the compressor for air pressure washing; 	Low		Low

No	Potential Hazard	Risks Identified	Receptors at Risk*			Current Controls (PPE – personal protective equipment)	Initial Level of Risk	Further Precautions Required	Residual Risk Rating
			Env	E/C	V				
						<ul style="list-style-type: none"> No nearby receptors Operations relatively quiet Site very well screened 			
7.	VERMIN	Spread of disease, faeces, damage to equipment, spread of litter	✓	✓	✓	<ul style="list-style-type: none"> Vermin highly unlikely as waste stored has no food value at all No nearby receptors 			
8.	ODOUR	Nuisance, Potential health impacts	✓	✓	✓	<ul style="list-style-type: none"> Odour highly unlikely as waste stored is not odorous. Any odorous waste discovered on site will be treated as non-conforming material and removed as soon as is practical. food value at all No nearby receptors 			
9.	LITTER	Damage to local environment and fauna; Impact on local amenity; Possible health effects (although unlikely)	✓	✓	✓	<ul style="list-style-type: none"> Waste type stored on site does not have large amounts of litter due to nature of fuel. Trees wind breaks around site will reduce any windblown litter. No processing on site so minimal waste movement. Litter watch will be kept on site and results noted in site diary. 			

No	Potential Hazard	Risks Identified	Receptors at Risk*			Current Controls (PPE – personal protective equipment)	Initial Level of Risk	Further Precautions Required	Residual Risk Rating
			Env	E/C	V				
10.	SECURITY	Vandalism; Theft; Arson; Trespass; Third party injury	✓	✓	✓	<ul style="list-style-type: none"> • Nearest public right of way or highway is over 500m from operating site • Gates to main farm closed overnight • Old Oil Well Pad has own main locking gate. • Nothing on site worth stealing. • Site inspected daily and inspections recorded. • Damage to site boundary to be recorded and repaired as soon as is practicable. 			
11.	RUNOFF	Damage to local environment – water courses, ground water & vegetation; Impact on local amenity; Possible health effects (although unlikely)	✓	✓	✓	<ul style="list-style-type: none"> • Old Oil Well Site completely floored with impervious concrete slab. • Site bunded to prevent run-off. • Spill kits available on site as required. • Site equipped with c.500m³ surface water sump for control of surface water runoff and control/recirculation of potential firefighting runoff. 			

No	Potential Hazard	Risks Identified	Receptors at Risk*			Current Controls (PPE – personal protective equipment)	Initial Level of Risk	Further Precautions Required	Residual Risk Rating
			Env	E/C	V				
						<ul style="list-style-type: none"> Waste type proposed is low level, prepared wood fuel, free from major impurities and hazardous materials. Waste will not be stored more than 3 months, so risk run-off due to degradation will be low. No nearby watercourses, receptors or designated sites 			
12.	COMPRESSORS (MOBILE)	High pressure injection, Slips and Trips, Lifting & handling, Noise.	✓	✓		<ul style="list-style-type: none"> Refer to “Common Control Measures - Management (Documentation)” above. Refer to “Common Control Measures - People” above. Refer to “Common Control Measures – Machinery above. Refer to “Common Control Measures - General Safety” above. Noise exposure assessed separately. Dust exposure assessed separately (see above). Manual handling assessed separately (see above). 	Low		Low

No	Potential Hazard	Risks Identified	Receptors at Risk*			Current Controls (PPE – personal protective equipment)	Initial Level of Risk	Further Precautions Required	Residual Risk Rating
			Env	E/C	V				
						<ul style="list-style-type: none"> • Hose ends kept secured to prevent whipping if an accidental cut or break occurs. • Hoses not strung across floor routes where they are liable to cause persons to trip and fall • All pipes, hoses, and fittings have a rating of the maximum pressure of the compressor. • Compressed air pipelines identified (psi) as to maximum working pressure. • Fixed anchor / movement point provided for secure transportation. • PPE - Safety boots, high viz & eye protection; • Hearing protection recommended when using the compressor for air pressure washing. 			
13.	EXCAVATORS / DIGGERS	Contact with moving parts, Crushing, Overturn , Collision with objects or people,		✓	✓	<ul style="list-style-type: none"> • Refer to “Common Control Measures - Management (Documentation)” above. • Refer to “Common Control Measures - People” above. • Refer to “Common Control Measures – Machinery / Plant” above. 	Low		Low

No	Potential Hazard	Risks Identified	Receptors at Risk* Env E/C V			Current Controls (PPE – personal protective equipment)	Initial Level of Risk	Further Precautions Required	Residual Risk Rating
		Falling objects and falling off stockpile, Failure of lifting mechanisms, High pressure injection from hydraulics, Contact with overhead power lines, Ground collapse, Dust, Vibration.				<ul style="list-style-type: none"> Refer to “Common Control Measures - General Safety” above. Pre start safety checks carried out by operator on machine. PPE - Safety boots, high viz. 			
14.	LOADING SHOVELS	Striking people or objects, Falling objects, Entanglement, moving parts, crushing Overturn, Overhead power lines or overhead obstructions, Dust, Vibration,		✓	✓	<ul style="list-style-type: none"> Refer to “Common Control Measures - Management (Documentation)” above. Refer to “Common Control Measures - People” above. Refer to “Common Control Measures – Machinery / Plant” above. Refer to “Common Control Measures - General Safety” above. Vehicle movements assessed separately (see above). 	Low		Low

No	Potential Hazard	Risks Identified	Receptors at Risk* Env E/C V			Current Controls (PPE – personal protective equipment)	Initial Level of Risk	Further Precautions Required	Residual Risk Rating
		Serious injury and possible death, Road traffic accident.				<ul style="list-style-type: none"> • Not used around other people unless segregated as far as practicable e.g. use cones to keep people away. • Guarded moving parts. • Check attachments, pallets, goods locked in place before lift. Don't lift over people. • Flashing beacons and audible reversing sirens fitted. • Cabs to be kept free from rubbish. • Generally used on level ground away from risk of overturn. • No passengers allowed in cab. • PPE - Safety boots, high viz. 			
15.	PUMPS (MOBILE)	Manual handling, Contact with moving parts, Slips and Trips, Noise.		✓	✓	<ul style="list-style-type: none"> • Refer to “Common Control Measures - Management (Documentation)” above. • Refer to “Common Control Measures - People” above. • Refer to “Common Control Measures – Machinery / Plant” above. • Refer to “Common Control Measures - General Safety” above. 	Low	<p>Monitor the area and remind workers to keep floor areas free of tripping hazards.</p> <p>Continue to monitor workers exposure to noise and the wearing of ear defenders when appropriate.</p>	Low

No	Potential Hazard	Risks Identified	Receptors at Risk*			Current Controls (PPE – personal protective equipment)	Initial Level of Risk	Further Precautions Required	Residual Risk Rating
			Env	E/C	V				
						<ul style="list-style-type: none"> Noise exposure assessed separately (see above). Manual handling assessed separately (see above). Fixed guards in place protecting contact with moving parts. Wheels fitted to allow easy movement / relocation. Located away from third party access areas. Visual pre use checks undertaken before start up. PPE - Safety boots, high viz. 			
16.	TELESCOPIC HANDLERS	Striking people or objects, Falling objects, Entanglement, moving parts, crushing Overturn, Overhead power lines or overhead obstructions, Vibration, Serious injury and possible death,		✓	✓	<ul style="list-style-type: none"> Refer to “Common Control Measures - Management (Documentation)” above. Refer to “Common Control Measures - People” above. Refer to “Common Control Measures – Machinery / Plant” above. Refer to “Common Control Measures - General Safety” above. Vehicle movements assessed separately (see above). Flashing beacons and audible reversing sirens fitted. 	Low		Low

No	Potential Hazard	Risks Identified	Receptors at Risk* Env E/C V			Current Controls (PPE – personal protective equipment)	Initial Level of Risk	Further Precautions Required	Residual Risk Rating
		Road traffic accident.				<ul style="list-style-type: none"> • Not used around other people unless segregated as far as practicable e.g. use cones to keep people away. • Guarded moving parts. • Check attachments, pallets, goods locked in place before lift. Don't lift over people. • Cabs kept free from rubbish. • Generally used on level ground away from risk of overturn. • No passengers allowed in cab. • PPE - Safety boots, high viz. 			
17.	TRACTORS & ATTACHMENTS	Contact with moving parts, Entanglement with PTO, Crushing, Overturn , Collision with objects or people, High pressure injection from hydraulics, Lone working, Vibration,		✓	✓	<ul style="list-style-type: none"> • Refer to “Common Control Measures - Management (Documentation)” above. • Refer to “Common Control Measures - People” above. • Refer to “Common Control Measures – Machinery / Plant” above. • Refer to “Common Control Measures - General Safety” above. • PTO guards with restraining chains fitted and maintained. 	Low		Low

No	Potential Hazard	Risks Identified	Receptors at Risk*			Current Controls (PPE – personal protective equipment)	Initial Level of Risk	Further Precautions Required	Residual Risk Rating
			Env	E/C	V				
		Dust.				<ul style="list-style-type: none"> • Power Input Connector (PIC) cover and/or shield fitted on tractors. • Tractor and machinery visually checked pre use. • Safe hitching and unhitching procedures followed. • Safe speeds in the work area and when on the public highway. • Keys removed from the ignition when not in direct use. • Passengers are prohibited where there is no specific provision (seat) for passengers. • Workers encouraged to wear the seat belts provided (where fitted). • PPE - Safety boots, high viz. 			
18.	WOOD FUEL STOCKPILES	Striking people or objects, Falling objects, Entanglement, moving parts, crushing Overturn, Dust,	✓	✓	✓	<ul style="list-style-type: none"> • Refer to “Common Control Measures - Management (Documentation)” above. • Refer to “Common Control Measures - People” above. • Refer to “Common Control Measures – Machinery / Plant” above. 	Low		Low

No	Potential Hazard	Risks Identified	Receptors at Risk* Env E/C V			Current Controls (PPE – personal protective equipment)	Initial Level of Risk	Further Precautions Required	Residual Risk Rating
		Serious injury and possible death, Road traffic accident, Fire				<ul style="list-style-type: none"> • Refer to “Common Control Measures - General Safety” above. • Traffic Management Rules for Operatives & Contractors in place. • Flashing beacons and audible reversing sirens fitted to Loading Shovels. • Cabs to be kept free from rubbish. • 2 way radio to communicate with other Eco drivers. • Level gradient or at least the front two wheels in contact with the surface when tipping. • High level camera on loading shovel to aid vision when carrying material; • No passengers allowed in cab. • PPE - Safety boots, high viz. • Fire Prevention Plan (FPP) for stockpiles of combustible waste; • FPP implements restriction on stockpiles sizes – max. of 4m h and 20m width. 			
19.	CHANGING TYRES ON	Crush from falling vehicle which has been 'jacked'.		✓	✓	<ul style="list-style-type: none"> • Refer to “Common Control Measures - Management (Documentation)” above; 	Low		Low

	<p>MACHINERY AND VEHICLES (TO BE DONE BY AN APPROVED CONTRACTOR)</p>	<p>Potential health risks from compressed air (deflating tyres). Manual handling risks from the manoeuvring and lifting of tyres. Additional muscular strain from the use of the hammer and potential impact damage from the hammer.</p> <p>Use of pressurised equipment (air brush) and substances (grease).</p> <p>Entrapment of fingers when fitting the new tyre. Impact from the Tele-handler when 'pushing' the O-ring onto the tyre.</p>			<ul style="list-style-type: none"> • Refer to "Common Control Measures - General Safety" above; • Contractor approved by Eco management team; • Changing of tyres to be done away from site activity and under shelter. Non related personnel to be kept out of the area; • There must be sufficient light or activity carried out in daylight; • Contractors to wear standard PPE (minus hard hat when working around the vehicle) but to also include gloves and eye protection; • Task must not be carried out by only one person; • Good verbal communication and team work between contractors when lifting/manoeuvring the tyre and when using the hammer; • No one to stand adjacent to the tyre when it's deflating or being filled with air; • Contractor to have carried out the required pressurisation testing of all associated air pressure equipment; • Contractor to have carried out all necessary CoSHH assessments of substances; 			
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No	Potential Hazard	Risks Identified	Receptors at Risk*			Current Controls (PPE – personal protective equipment)	Initial Level of Risk	Further Precautions Required	Residual Risk Rating
			Env	E/C	V				
						<ul style="list-style-type: none"> • Only an 'approved' Eco operative to use the Tele-handler for assistance; • Good communication (verbal and/or hand signals) between contractor & Eco operative when manoeuvring the Tele-handler. 			
20.	FALLS & FALLING OBJECTS	Falls from machinery / plant, Slips and Trips, Falling stock piles, Falls from height.		✓	✓	<ul style="list-style-type: none"> • Refer to "Common Control Measures - Management (Documentation)" above; • Refer to "Common Control Measures - People" above; • Refer to "Common Control Measures - General Safety" above; • Work at Height not required; • Staff awareness of the permitted stock pile heights of stored materials – daily meetings of stock pile management and movement; • Staff awareness and experience of de-construction of stock piles of stored materials; • Machinery operator's constantly vigilant to the presence of third parties in the immediate work area; 	Low	Monitor all areas and remind workers to keep floor areas free of tripping hazards.	Low

No	Potential Hazard	Risks Identified	Receptors at Risk*			Current Controls (PPE – personal protective equipment)	Initial Level of Risk	Further Precautions Required	Residual Risk Rating
			Env	E/C	V				
						<ul style="list-style-type: none"> • All relevant machinery / lifting equipment is subjected to a thorough examination by a competent person (LOLER) at the required intervals; all examinations are recorded onto the Master Servicing Schedule. Formal certification is electronically within the IMS; • Visual inspection of load before unloading a vehicle; • Operatives to avoid, or where not possible drive with caution, near any pothole waiting repair; • All loads to be secured/sheeted onto vehicles before moving; • Overhanging materials from vehicles not permitted if producing onto path or other vehicles or pedestrian routes; • Auto sheeting of vehicles. • All bulkers are walking floors – no high tipping. • Safe working load of trailers, lorries and lifting equipment never exceeded. 			

No	Potential Hazard	Risks Identified	Receptors at Risk*			Current Controls (PPE – personal protective equipment)	Initial Level of Risk	Further Precautions Required	Residual Risk Rating
			Env	E/C	V				
21.	NON-CONFORMING WASTES, HOT WASTES AND HAZARDOUS SUBSTANCES	Contamination – air, earth, water, fuel; Harm to persons; Harm to flora & fauna; Fire (hot wastes)	✓	✓	✓	<ul style="list-style-type: none"> All incoming waste wood fuel has been prepared prior to delivery so as to be ready to use at generation plant, therefore NC/hazardous wastes highly unlikely. Any NC/hazardous wastes to be quarantined and removed Hot waste to be cooled or dampened prior to stockpiling FPP to be followed in the event of a hot load arriving 	Low		Low
22.	SURFACE WATER DRAINAGE SUMP	Falls, Drowning, Weils disease and other water borne diseases.	✓	✓	✓	<ul style="list-style-type: none"> Refer to “Common Control Measures - Management (Documentation)” above. Refer to “Common Control Measures - People” above. Refer to “Common Control Measures - General Safety” above. Sump currently not barriered to prevent vehicles reversing in. Life buoys provided and readily accessible. Sump pump strainer is attached to guide ropes (for easy retrieval) 	Med	<p>Sump needs to have barrier to prevent vehicle access.</p> <p>Site inspection to include barrier and bouncy aids</p> <p>Records of all inspections to be kept.</p> <p>Prepare a formal “Rescue” procedure (include pump isolation and method of raising an alarm and summoning assistance). Ensure staff are trained in the procedure to follow.</p>	Low

No	Potential Hazard	Risks Identified	Receptors at Risk*			Current Controls (PPE – personal protective equipment)	Initial Level of Risk	Further Precautions Required	Residual Risk Rating
			Env	E/C	V				
						<ul style="list-style-type: none"> No entry into the sump is required; maintenance, including removal of algae, is undertaken from outside. 			
23.	USE OF SURFACE RUNOFF WATER FOR FIRE FIGHTING OR DUST SUPPRESSION	Potential for exposure to harmful microorganisms & potential contamination of land, watercourses and of waste/product materials.	✓	✓	✓	<ul style="list-style-type: none"> Refer to “Common Control Measures - Management (Documentation)” above. Refer to “Common Control Measures - People” above. Refer to “Common Control Measures - General Safety” above. Hazardous substances assessed separately not present on site Waste is relatively innocuous so presence of hazardous substances low Recirculation would only be required in event of a fire All water handled by personnel wearing PPE If used for dust suppression, only relatively small amounts of water required. Sewage, slurry or similarly contaminated water NOT to be used 	Low		Low

No	Potential Hazard	Risks Identified	Receptors at Risk* Env E/C V			Current Controls (PPE – personal protective equipment)	Initial Level of Risk	Further Precautions Required	Residual Risk Rating
24.	USE OF WATER TO SUPPRESS WOOD DUST – INHALATION OF LEGIONNAIRES	If the water inside the holding tank stagnates, contains organic debris and reaches temperatures of 20°C or above, there is a risk of legionnaires bacteria forming. The bacteria may be dispersed via the dust suppression and inhaled.	✓	✓	<ul style="list-style-type: none"> • Refer to “Common Control Measures - Management (Documentation)” above; • Refer to “Common Control Measures - People” above; • Refer to “Common Control Measures - General Safety” above; • The risk of bacteria growth would only be present in warmer conditions; • Water will only rarely be required for dust suppression and then only during operational hours; • Water is not aerosolled or fine sprayed for dust suppression – droplets are not inhalable; • Minimal personnel present on site • No dust suppression to be undertaken with personnel present on site other than bowser driver, working in sealed cab. • Annual inspection of the sump to check for debris, fouling and entry of vermin; • If necessary cleaning of the tank during its inspection to remove 	Low		Low	

No	Potential Hazard	Risks Identified	Receptors at Risk* Env E/C V			Current Controls (PPE – personal protective equipment)	Initial Level of Risk	Further Precautions Required	Residual Risk Rating
						any debris and cleaning of any fouling;			