Risk Assessment Method Statement

Project Name:	
Date:	*Click here to enter text.*
Revision No.:	*Click here to enter text.*
Prepared by:	*Click here to enter text.*

Contractor:	Green Belt
Brief Description of Works:	*Click here to enter text.*
Start Date:	
Duration of works:	*Click here to enter text.*

Personnel on Site	
Number of persons expected on site	

Role / Trade	Name
Site Foreman	
Groundworker	*Click here to enter text.*
Groundworker	*Click here to enter text.*

Foreseeable Risks		Applicable to the works?	
Please tick the following risks that apply.	Mobile Plant Use	☒ Yes	☐ No
	Working at Heights	☒ Yes	☐ No
	Live Work	☒ Yes	☒ No
	Excavations	☒ Yes	☐ No
	Lifting Loads	☒ Yes	☐ No

Material Delivery, Storage and Distribution
All vehicles will arrive to site using the agreed TMP if there is one in place. All deliveries will be coordinated in advance where required. All vehicles will be escorted by a spotter/ plant and vehicle marshal where required.

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Methodology

Please detail step by step how you intend on carrying out the task

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Introductory Information (Sites Visits Work Procedure)

All prospective sites shall be visited and physically inspected by an inspector from Green Belt prior to approval of work.

All new operatives working undergo an extensive company induction prior to working independently. Upon commencing employment, a new operative will complete two-week shadow training period with a more senior member of staff and will be shown how to complete various tasks. Once an operative has completed this two-week induction and training period, they are considered a competent operator.

All operatives will undergo site specific inductions (where required) prior to commencing work on site. If a site-specific induction is required, operatives are not permitted to enter the site without completing a site induction and sending across relevant training prior to completing induction.

The contents of this methodology and risk assessment will be communicated to operatives prior to the commencement of works and they will sign off accordingly.

All operatives will be supplied with the correct personal protective equipment i.e. steel toe boots / wellingtons with ankle supports, hi viz clothing, winter wear (if required), gloves, glasses, helmets, vizors, cut proof trousers as well as any task specific PPE.

All plant and equipment will be adequate for the tasks and will be operated by competent personnel.

Drivers must all complete daily walk around checks of their work vehicles. This is recorded weekly on a checklist. These checks will be documented on a pre-use visual inspection form. When driving on poorly access roads to site the employees are instructed to reduce speed, drive according to the terrain and take care not to injury themselves or damage the vehicles.

Operatives load the vans with the materials required for the job and drive to site, using best practice manual handling techniques.

Once on site, the site team will assess the area, and agree on a safe system of work.

When advancing through a site the employees will take account of tree roots, overgrown fencing, waterholes, deep drains or other trip items. Care must be taken when visiting a site for the first time.

Before entering a site the employee will liaise with the farmer or landowner to ascertain if there are any concerns about the site with regard to farm animals, access, other people, houses, schools, roads etc that might be in the area.

If visiting alone, the employee must ensure that the main office and the manager knows of their whereabouts. If the employee is the site for a prolonged period of time, they must check in with the head office and manager on a regular basis.

Fencing Off Sites

Only trained and competent personnel will operate machinery (Tractor, quad) with all relevant documentation available for inspection. All machines and equipment will be left in a safe position when not in use, keys removed. All guards must be in place and not altered or interfered with it any way. The machines must only be used to carry out the work they have been designed for.
All plant and machinery will be maintained according to the manufacturer's instructions and all relevant records of such will be key at head office for inspection. Any defects must be reported immediately to the supervisor or foreman.
At no time are untrained personnel allowed to operate any machinery on site.

All movement of fencing posts and fencing wire will be done by mechanical means. If this is not possible then the manual handle techniques that have been instructed must be used

The post driver will drive the posts into the ground. All personnel will keep clear of machinery at all times as this work continues.

All employees must ensure that the operators of machinery can see them at all times.
The fencing wire will be moved into place using the quad or the tractor and trailer. Manual handling techniques must be used at all times.

Planting on Sites

Planting on site may include the use of an excavator, a tractor with a ripper attachment, ***(if applicable)*** and at least one quad bike.

All operators of these machines must be trained in their operation and the relevant documents must be available for inspection. All machines and equipment will be left in a safe position when not in use, keys removed. All guards must be in place and not altered or interfered with it anyway. The machines must only be used to carry out the work they have been designed for.

All plant and machinery will be maintained according to the manufacturer's instructions and all relevant records of such will be kept at head office for inspection ***(if applicable)***. Any defects must be reported immediately to the supervisor or foreman.
At no time are untrained personnel allowed to operate any machinery on site.

The excavator may have to clear the area for the planting, while a tractor with a ripper attachment may be also be used. This will depend on the site being planted. ***(if applicable at all)***

If the ripper is being used for planting, it will move forward allowing a furrow to be cleared. The saplings/trees will be planted into this manually. **(If applicable)**

If the site does not require machinery, the saplings/trees will be carried on a quad and planted manually using a planting spade. All manual handling techniques are to be used during this process. *All appropriate PPE must be worn.*

Vegetation Control on Site

Spraying on site may include the use of at least one quad bike.
All operators of these machines must be trained in their operation and the relevant documents must be available for inspection. All machines and equipment will be left in a safe position when not in use, keys removed. All guards must be in place and not altered or interfered with it anyway. The machines must only be used to carry out the work they have been designed for.

All plant and machinery will be maintained according to the manufacturer's instructions and all relevant records of such will be key at head office for inspection. Any defects must be reported immediately to the supervisor or foreman.

At no time are untrained personnel allowed to operate any machinery on site.

Only trained personnel with the correct qualifications may spray herbicides on site.

The correct CE marked overalls, nitrite gloves, rubber wellington boots, and a face shield will be worn at all times when spraying.

Assess the site to highlight potential watercourses, buffer zones, landowners/animals, and any other species that herbicides may have a negative effect on.

Ensure a competent first aider is present.

Ensure all personnel know what to do in an emergency, who to call, how to raise the alarm.

Spreading Fertilizer on Site

Spreading of fertilizer on site may include the use of a tractor/spreader, a Bombardier Muskeg and at least one quad bike.

All operators of these machines must be trained in their operation and the relevant documents must be available for inspection. All machines and equipment will be left in a safe position when not in use, keys removed. All guards must be in place and not altered or interfered with it any way. The machines must only be used to carry out the work they have been designed for.

All plant and machinery will be maintained according to the manufacturer's instructions and all relevant records of such will be key at head office for inspection. Any defects must be reported immediately to the supervisor or foreman.

At no time are untrained personnel allowed to operate any machinery on site.

The required amount of fertilizer will be measured out and divided into the required areas on site. Manual handling techniques will be used at all times during lifting or moving of fertilizer. Mechanical means will be used to distribute the fertilizer around the site.

If being spread mechanically, the machines will move in predetermined directions and distribute the fertilizer as per the instruction of the manufacturer.

If being spread manually, the fertilizer will be distributed to the employees, and they will move through the site in predetermined routes to spread the fertilizer.

Use of Pesticides and Chemicals on Site

Spraying on site may include the use of at least one quad bike.

All operators of these machines must be trained in their operation and the relevant documents must be available for inspection. All
machines and equipment will be left in a safe position when not in use, keys removed. All guards must be in place and not altered or interfered with it any way. The machines must only be used to carry out the work they have been designed for. All plant and machinery will be maintained according to the manufacturer's instructions and all relevant records of such will be key at head

office for inspection. Any defects must be reported immediately to the supervisor or foreman.

At no time are untrained personnel allowed to operate any machinery on site.

Only trained, registered personnel with the correct qualifications may use pesticides on site.

The correct CE marked overalls, nitrite gloves, rubber wellington boots, and a face shield will be worn at all times when spraying.

Assess the site to highlight potential watercourses, buffer zones, landowners/animals, and any other species that pesticides may have a negative effect on.

Ensure a competent first aider is present.

Ensure all personnel know what to do in an emergency, who to call, how to raise the alarm.

Use proper manual handling techniques when lifting/filling/draining vessels or knapsack sprayer.

Establish what pesticide is required and calculate how much is required to treat the target area.

Assess the weather conditions for spraying as described in your training. If unsuitable, postpone or cancel.

Ensure all PPE is present and in a good, safe condition for use. Ensure that the sprayer is also in a good, safe condition for use.

Where possible, mix pesticide on treatment site.

Ensure there is enough water brought to site to allow mixing and washing. There should also be enough remaining in case of an emergency to flush out any site contamination

Set up appropriate signage to warn landowners, the public or other workers.

Ensure spray areas are cordoned or marshalled of for at least two hours after application, or per manufacturer's instructions.

Remove all items used from site, for disposal or storage.

Complete all required records as per your training

Working Near/ In Water

No lone working in or near water/floods/swamped areas. A minimum of three people must be present at all times.

Ensure a competent first aider is present and that there is also adequate first aid provision present.

Ensure all personnel know what to do in an emergency, who to call, how to raise the alarm.

Only competent personnel are allowed to work in or near water, whatever depth it is. All personnel will have the risks highlighted to them by supervisory staff before any work commences.

The work to be done will be planned in advance, and any preparations and precautions will be taken and in place before the work commences.

The area where work is to be carried out will be examined beforehand and any hazards marked. The extremities of the work site in any water will be marked using stakes or buoys.

Personnel will be instructed with regard to their personal hygiene in or near water. This will include covering cuts with waterproof dressings, washing hands before eating, drinking, smoking or touching eyes and face or other bodily parts.

Personnel will be instructed to inform supervisor if they feel unwell if they have been exposed to water or ingested water. Medical help will be sought and the report filled out in the accident book.

All personnel to be instructed on proper use of PPE while working in or near water.

Use of Chainsaws

Only trained personnel are allowed to operate the chainsaw at any time on site.

Chainsaw operations will not be carried out by lone workers; there will be at least 2 people on site at any time.

The appropriate PPE, as listed in the training, must be available, in working order and worn on site at all times when using the chainsaw.

The chainsaw must have the following:

- Clearly marked on/off switch.
- Safety (dead hand) throttle
- Chain catcher
- Anti-vibration system
- Exhaust system to divert fumes away from the operator.
- Adequate tool kit to maintain the saw to the manufacturer's instructions.

At no time will the saw be used at shoulder height or when off balance.

The engine will always be switched off when not in use or moving to another part of the site.

The saw will not be used within 5m of other personnel.

Other personnel will be told when a chainsaw is about to be used.

Any defects will be reported to the supervisor immediately and the saw will not be used until it is fixed.

When the saw is being refueled, it must be allowed to cool down to prevent fire.

Use Of Excavator

Machine Operations

- The machine must be in good working order and undergo daily checks.
- Operators must wear appropriate PPE while on site.
- Operators must pay due care and attention to their surroundings at all times, underground lines and abide by plans and site safety rules.
- Ensure there is appropriate warning signage to indicate risk zone. Close roadways if necessary.
- Do not drive if vision is obscured.
- Use specified access points to the work area.
- Assess the ground conditions to make sure that the machine can travel without difficulty.

- Adhere to setback roadways and water courses.
- Maintenance and refueling to be carried out in specified areas.
- Spill kit in each machine

Unloading

- Operators must adhere to safe loading and unloading, eg. Safe and clear area, appropriate gradient of surface, and ensure that excavator is chained down when being transported on site.
- The machine must be unstrapped in order to unload.
- Operators must stop working if anyone approaches the risk zone.
- The machine must be unloaded in a suitable area.
- The ramps of the low-loader must be securely put back in place before exiting the site.

Loading

- Low-loaders must only carry machinery that adheres to guidelines eg. Correct weights
- When the Excavator is being loaded the handbrake must be applied on the Low-loader.
- The machine must be securely strapped down.
- The ramps must be put back in place before moving.

The Machine

- Any risk zone specified by the manufacturer must be clearly and predominantly marked on the machine.
- Adequate lighting must be fitted to the machine.

Construction Of Roads

Construction on site will include the use of an excavator, it may involve a tractor with a ripper/trailer, and also delivery trucks.
All operators of these machines must be trained in their operation and the relevant documents must be available for inspection. All machines and equipment will be left in a safe position when not in use, keys removed. All guards must be in place and not altered or interfered with it anyway. The machines must only be used to carry out the work they have been designed for.
All plants and machinery will be maintained according to the manufacturer's instructions and all relevant records of such will be kept at head office for inspection. Any defects must be reported immediately to the supervisor or foreman.
At no time are untrained personnel allowed to operate any machinery on site.

Chainsaw gangs may have to clear a path through forest or undergrowth where the roads will be constructed. All chainsaw operators will be trained and have read the 'Chainsaw Risk Assessment'.

Only cut down, all the trees and debris will be loaded onto tractor trailers to be removed to disposal or storage.

If there are any remaining tree stumps they may be removed using a tractor and ripper or an excavator. All tree stumps will be loaded and removed to disposal or storage.

Leaving Site Safe

The site may be fenced off from public access with gates that are kept locked and secure at all times.

The roads will be repaired after the harvesting work has been carried out. (If applicable)

All drainage routes will be left repaired or piped. (If applicable)

All debris such as trees, offcuts etc. will be removed from site or stacked in a safe manner

The site will have the appropriate Health and Safety signs posted in positions that are clearly visible. These signs will warn the public for their safety. *(If applicable)*

Upon entering the site the appropriate PPE and documentation will be required by workers/employees on site. The site is to be left in a safe manner and all Green Belt material IE, fertilizer, bags, trees, tree ties, and any debris that goes with the job is.

Waste Control and Removal
We do not foresee any waste to be generated from our work process. Although if any is generated Greenbelt will remove if necessary and bring to a local waste provider within the vicinity of the project.

Training & Competency Requirements *Please state training applicable to works i.e. safe pass / CSCS / manual handling / MEWP etc.*
Safe pass,
Manual Handling,
First aid,
Quad
CSCS 360 excavator,
Tractor/trailer
Chainsaw
Abrasive wheels

Plant and Equipment	
List the plant and equipment that will be used on site.	
Excavator	Tractor/Trailer
Quad	Various Hand Tools
Chainsaw	

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Permits Required	
Permits	**Permit Required**
Excavation Permit	*Click here to enter text.*
Work at Height Permit	*Click here to enter text.*
Hot Works Permit	*Click here to enter text.*
Live Energies Permit	*Click here to enter text.*
Confined Space Permit	*Click here to enter text.*

Specific PPE Requirements									
									
☒ Yes	☐ No	☒ Yes	☐ No	☐ Yes	☒ No	☒ Yes	☐ No	☐ Yes	☒ No
State any other PPE required: Hi-Vis, Helmet, Steel tow boots/wellies with ankle support, Visor									
XXX									

General Emergency Procedures
In the event of an emergency please follow the training and instruction you have been provided with.
Fire
For fire emergency raise the alarm, evacuate the area, only fight the fire if you are trained and competent to do so.
Medical Emergencies
Raise the alarm, summon the first aider on duty and follow their instructions.

Emergency Contact Numbers	
Garda, Fire & Ambulance	112 or 999
Nearest Hospital	XXX
ESB	For emergencies, supply failure or damage to networks - ESB Networks Ltd: 1850 372 999 (24 hour service)
Gas	National Gas Emergency number: 0800 111 999. Or 1850 205 050
Health & Safety Authority	1890 289 389

First Aid Measures for the work:	
Name of First Aider	*Click here to enter text.*
Location of First Aid kit	*Click here to enter text.*

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Hazardous Substances															
Identify any hazardous substances you will be using or potentially encountering on site															
															
Toxic		Explosive		Harmful		Corrosive		Hazardous to the environment		Flammable		Pressurised Gas		Other	
☐ Y	☐ N	☐ Y	☐ N	☐ Y	☐ N	☐ Y	☐ N	☐ Y	☐ N	☐ Y	☐ N	☐ Y	☐ N	☐ Y	☐ N
Please list any applicable substance below and attach relevant Hazardous Substance Assessment Sheets:															
Click here to enter text.															

Communication		
We (the undersigned) have read and understood the attached Method Statement Risk Assessment and will comply with the specified requirements and control measures. If further work activity changes or deviates from that originally envisaged, we will seek further advice and request/produce and amended Method Statement Risk Assessment.		
Print Name	**Signature**	**Date**

Risk Assessment Method Statement

Project Name:	XXXX
Contractor:	Green Belt
Assessment Date:	XXXX
Assessed By:	XXXXXX

Risk Assessment

Risk Assessment Matrix

Severity of Consequence (S)		Likelihood (L)		Risk Rating (RR)	
1	Insignificant/minor first aid, no time off, no loss	1	Improbable	Low	1 – 4
2	Lost time, recoverable, (strain, sprain, laceration, dermatitis)	2	Low	Moderate	5 – 9
3	Temporary disability, recoverable (minor fracture, asthma, deafness, concussion)	3	Medium	Considerable	10 – 14
4	Permanent disability, survivable (major fractures, amputation, head injuries, eye injuries, poisoning)	4	High	High	15 – 19
5	Causing death to one or more people (fatal injuries, occupational cancer, fatal disease/fire)	5	Almost certain	Critical	20 – 25

Evaluation Matrix						
Severity of Consequence (S)	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

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Hazards Identified	Potential Harm	Initial Risk			Control Measures	Residual Risk		
		S	L	RR		S	L	RR

Arrival to site/visiting site before start date	Unawareness, public interface. Risk of injury due to slips trips while acceding site through rough terrain, crossing fencing and drain. Risk of injury due to encounter with farm animals such as cattle or dogs Risk of not being able to leave site if injured and alone. Risk of injury due to weather conditions with regard to cold, sun burn and fog. Risk of injury or fatal injury due to insect bite while visiting site. Skin complaints, dermatitis, eczema, Leptospirosis (Weil's Disease), Histoplasmosis (droppings)	3	3	9	All Operatives to Receive a Site Induction if required Contents Of Methodology and Risk Assessment To Be Communicated To Operatives Prior To The Commencement Of Works Site To Be Secured from The Public, operatives are to sign in at reception if required. All employees must wear appropriate PPE including steel toe capped boots or wellingtons. The ground to be walked must be examined with a camera to avoid deep drains, hidden or overgrown barbed wire fencing, waterholes and exposed roots. Before entering any sites, the employee must liaise with the farmer or landowner to determine the terrain, type of fencing and presence of any farm animals in the area. If unknown farm animals are on the on the site the employee must retire immediately and inform the farmer/owner All employees will carry mobile phones on site at all times. Office staff and line managers are aware of all site visits being carried out. High viz jackets must be worn at all times. If possible, employees will not work alone. Employees will regularly check in with the main office if on site for prolonged periods. Wear appropriate PPE at all times. All first aid kits will have appropriate treatment cream If any employee has an allergy to insect bites the	3	1	3

					If bite does occur and an allergic reaction begins the employee will be removed to nearest doctor/hospital immediately. Any nests found will be left untouched and avoided. All employees must wear protective gloves while on site. On leaving site hands must be washed and cleaned thoroughly to avoid infection through eating or drinking. All cuts and grazes must be covered at all times.			

Planning and preparation	Lack of consultation may lead to potential outcomes for personal injury, property damage &/or environmental incident.	2	2	4	Induction for all workers – site specific and toolbox meetings Supervisory arrangements are in place GPS tracking in company vehicles Communication arrangements with the client are in place All relevant workers are appraised for required competencies & for any pre-existing medical conditions if working in remote or isolated locations Any relevant PPE is worn Safe plan of work completed RAMS signed off Injury reporting procedures are in place as well as Hazard reporting procedures. There is an accident book available in the head office and a hazard report book is available in each company vehicle.	2	1	2
Use of PPE	Slips, trips, falls. Cuts, entrapment	2	2	4	All operatives have been trained in the use of PPE and how to apply and use PPE correctly. Regular toolbox talks are carried out to ensure employees know what PPE they are required to wear. Employees are made aware of all MSDS and how to read and understand what PPE is required for its use. All PPE is stored in company vehicles. There is additional PPE available in the head office.	2	1	2

Manual handling	Risk of injury due to lifting and moving fencing posts, fencing wire, fertilizers, sprayers, tools and equipment etc around the site. Risk of injury due to lifting and placing pipework used for drainage under roads Musculoskeletal Injury Strains, sprains	4	3	12	Where possible mechanical means are used to lift and move fencing posts/ fencing wire/fertilizer etc. Appropriate PPE is worn at all times Good Work Posture At All Times All Operatives To Be Manual Handling Trained Mechanical Assistance Where Possible to avoid carrying materials over long distances. Operatives are to ensure the route is clear before carrying materials. No Overreaching Or Stretching A two person lift can be used to assist in lifting heavy loads Each manual handling task is assessed and measures put in place where needed to avoid or reduce the risks Task is organised to allow the use of mechanical aids to avoid or reduce the need for manual handling Task is organised so that handling is carried out between waist and shoulder height Heavy or large or unwieldy loads are broken down into more manageable weights or sizes or suitable mechanical aids / team lifts are used Work is planned to prevent handling over long distances or frequent repetitions Bending, twisting and unstable postures are avoided Employees receive relevant manual handling training	4	2	8

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Noise, vibration, Vapours	Risk of injury due to exposure to noise of machinery on site.				All employees will wear ear defenders while they are working in the vicinity of machinery at all times. Use of power tools is limited to reduce exposure to hand arm vibration for operatives. FFP3 and full face masks are available or employees to wear.	3	1	3
Contractions	Cuts, grazes,	4	3	12	Regular Washing Of The Skin Replace Gloves Regularly Ensure That Gloves Are Worn By Operatives First aid kit available in company vehicles	2	2	4
Use of tools	Cuts, Lacerations, abrasions, entrapment, impact.	3	3	9	Personnel must be instructed in safe working procedures of all equipment. Ensure that operatives are made aware of risks involved with the use of portable tools before use. Correct PPE must be worn at all times. Eye protection must be worn Defective tools to be reported and taken out of service immediately. All Tools to Be Utilised By Competent Personnel	3	1	3

Slips, trips, falls	Injury due to slips trips and falls Risk of injury due to slips and trips while getting into and out of all machines.	3	3	9	Inspect the area before work commences and cordon off any hazards to make the area safe. Store any tools and materials away from the work area. to prevent slips or trips involving them. Move slowly when entering or exiting any water or swamped area. Do not work on slippery banks or slopes that lead to water or swamped areas. If water or swamped area is to be entered the area will be examined first using prodding sticks to determine The extremities of the work area will be marked using stakes or buoys. Safe working zones will be marked. Any hazards will be marked, these markings cannot be removed until work is complete. See item 3 for risk of immersion in water. Clean as you go. Always access the machinery using the steps and hand holds provided by the manufacturer. Never jump from or onto a machine. Keep all steps clean and in good working order.	3	1	3

Driving for work	Risk of injury or fatal injury as a result of an accident that occurs due to lack of experience of employees when driving. • fatigue while employees are driving. • mechanical breakdown on route to site. • use of mobile phones. • poor road access to the site. • Adverse weather conditions • Improper loading of vehicles.	5	3	15	Employees have a full drivers licence, are competent, authorised and experienced and are familiar with the vehicle Vehicles are maintained in accordance with the manufacturer's instructions, in a roadworthy condition and fit for use. In the event of a breakdown/puncture, all vehicles are equipped with high viz jackets, warning triangle and first aid kit. Vehicles are not overloaded while travelling to or from site. Staff carry out weekly visual checks of vehicles and any defects are reported immediately. All records of inspections are kept in the main office. A driving for work policy is in place and is communicated to all employees who drive for work. Drivers have been issued with the company's Driver handbook. The use of hand held equipment is not allowed while driving Safe practices and suitable aids are used for reversing and aids are kept in good working order Adequate rest breaks are planned and taken, and adequate time is allowed for journeys, taking account of road, traffic and weather conditions Records are kept of drivers' licences, authorisation, training, collisions, incidents, vehicle checks, maintenance, NCT / CVRT and insurance Work equipment carried in the vehicle is secured for travel	5	1	5

					Plans are in place for dealing with vehicle breakdown and collisions, and employees are trained In the event of breakdown the vehicle is safely stopped, hazard warning lights are activated and warning triangle is used where appropriate			

Contact with Machinery: • Excavator • Tractor & Trailer • Quad Bike • Muskeg	Risk of injury or fatality due to contact with machinery, falls from quad bike, overturns from quad bike, crash of all vehicles. Risk of injury/crash/overturn/fall when distributing fertilizer from all quad muskeg and tractor. Risk of injury due to falls from quad when spraying pesticides.	5	5	25	All excavator operators are trained and have the relevant documents to show this. Only trained operators are allowed to operate any mechanical excavators on site at any time. When not in use the excavator must be parked in a safe manner with the keys removed and the boom/bucket down. All guards and flashers must be in place on the excavator at all times. All employees will be aware of the operation of the excavator near their position. Employees will allow for eye contact with the excavator operator at all times. All tractor operators are trained and have the relevant documents to show this. Only trained operators are allowed to operate any tractors/post drivers on site at any time. When not in use the tractor must be parked in a safe manner with the keys removed and the hand brakes applied to prevent any movement. All employees will be aware of the operation of the appropriate high viz PPE at all times on site. The employees will allow for eye contact with the tractor operator at all times. All tractor/trailer operators are trained and have the relevant documents to show this. Only trained operators are allowed to operate any tractors/trailer on site at any time. When not in use the movement. All employees will be aware of the operation of the site at all times.	5	1	4

					All quad bike operators are trained and have the relevant documents to show this. Only trained operators are allowed to operate any quad bikes on site at any time. When not in use the quad bike must be parked in a safe manner with the keys removed and the hand brakes applied to prevent any movement. All employees will be aware of the operation of the quad bike near their position. Employees will wear the appropriate high viz PPE at all times on site. The employees will allow for eye contact with the quad bike operator at all times All Muskeg operators are trained and have the relevant documents to show this. Only trained operators are allowed to operate any machinery on site at any time. When not in use the Muskeg must be parked in a safe manner with the keys removed. All guards and flashers must be in place on the Muskeg at all times. All employees will be aware of the operation of the Muskeg near their position. Employees will wear the appropriate high viz PPE at all times on site. The employees will allow for eye contact with the Muskeg operator at all times.			

Hydraulic Post driver	Risk of injury due to failure of the hydraulic line on post driver.	4	4	16	Before any work commences all hydraulic lines are checked to ensure they are connected properly and without any wear or tear. Any defects must be reported immediately to the supervisor or foreman.	4	1	4

Use of Hazardous substance such as herbicides for Vegetation Control Use of pesticides.	Risk of injury due to lifting and carrying vessels used to mix, drain and spray herbicides. Risk of injury to farm animals or damage to watercourses due to contact, inhalation or ingestion of herbicides used to control the vegetation on site. Short term illness Allergic reaction Ecological damage	4	3	12	All employees are trained in manual handling techniques, and these are used on site. Where possible, ensure that the sprayer is transported empty and filled on site. If this is not possible, ensure that the sprayers are secure and stored upright. Ensure that the filling / mixing point is at least 5m from any watercourses and 1m buffer zones are observed when using knapsack sprayer near a watercourse. Only pesticides recommended for use “in or near water” may be used in water or on river banks. Ensure no livestock will be present for the recommended time. Bottles, seals on new chemical bottles, contaminated material, etc.) is removed from site. The company will keep an inventory of all the chemicals it will use on site. The Safety Data Sheet for each type of chemical will be kept in the main offices but will be available to all involved with chemical use on site must be trained. They will be registered with the Department of Agriculture Food and the Marine. All chemicals will be stored and moved according to the recommendations of the manufacturer, and if there is any doubt the manufacturer will be contacted for the safety course of action. All appropriate PPE will be worn at all times. All appropriate pesticide PPE will be stored in an adequate way to prevent any damage. All appropriate pesticide PPE will be stored in an adequate way to prevent any unauthorised access. All storage vessels will be secure, and any defects must be reported immediately to the supervisor. All knap sac sprayers will be certified; any defects must be	4	1	4

					reported immediately to the supervisor. All mixing, transferring or draining of pesticides must be done in a save manor if not carried out in designated site. Ensure all PPE is removed and hands are washed thoroughly before eating, drinking and smoking. Do not eat, drink or smoke near the spray site. Ensure sprayed areas are cordoned or marshalled off for two hours after application. Do not exceed the recommended dose rates or the manufacturers' recommendations. Always carry a first aid kit and eye wash. Where possible, ensure that the sprayer is transported empty and filled on site. If this is not possible, ensure that the sprayers are secure and stored upright. Ensure that the filling / mixing point is at least 5m from any watercourses and 1m buffer zones are observed when using knapsack sprayer near a water course. Only pesticides recommended for use “in or near water” may be used in water or on river banks. Ensure no livestock will be present for the recommended time. Ensure all related equipment (brushes, chemical bottles, seals on new chemical bottles, contaminated material, etc.) is removed from site.			

Working near or in water	• Risk of injury or due to improper use of PPE, especially waders that may fill with water. (if applicable) • Risk of injury due to using tools or materials in wet conditions. • Risk of immersion in water, either partial or fully. • Risk of entry to fast moving or deep water. ***(If applicable)*** • Risk of injury due to contact with aquatic environments which will include: Weil's disease, Polio, Hepatitis A, Tetanus, toxic bacteria, blue-green algae, pollution. • Risk of injury due to slips or trips, on dry land or in water/swamped area. This will include debris, potholes, rough or uneven ground, silt, mud, vegetation. • Risk of exposure	4	3	12	All workers are to be trained in the use of any PPE supplied to them. Workers using waders must be shown how to get in and out of them. Chest waders will NOT be worn at any time. Waders will be worn for any work in water over wellington height, however, no work will be done in water over waist height. All rescue, first aid and mobile phone access must be present before work on waders begins. Workers will not work alone and there should always be at least one person on the bank or dry land. All manual handling techniques must be used at all times. Any swinging tools must not be used when wearing gloves or when handles are wet. *If applicable* *Stable ground and stance must be used when handling tools or any wet materials.* *All workers will be informed that tools and materials* *Where possible, wheel barrows or similar will be used to transport tools and materials.* *All gloves must be strong PVC or Nitrile.* No personnel or operators are allowed to work alone near or in water/flooded/swamped area. All operators involved in work in wet areas must be trained in rescue techniques and emergency procedures. All the appropriate items that are required for rescue. throw lines, mobile phones, first aid, warming clothes, etc. All these items must be visible and within easy. reach. No work will be done in water above waist depth at any time in still water. No work will be done in fast-moving water at any. time. If workers or personnel are working close to or in the vicinity of deep or fast-moving water, life jackets must be worn at all times.	4	1	4

	from working in cold water. (If applicable)				No personnel or operators are allowed to work alone near deep or fast-moving water. All personnel will be aware of emergency procedures before work begins near deep or fast-moving water. If blue-green algae or other unknown pollution is present in water the task will be postponed. At no time will any work be done in water where Low sewerage is known to be present. All wounds will be covered with waterproof dressings. Wear appropriate PPE to keep water out. All Tetanus vaccinations must be up to date. Personnel will wash hands before touching eyes, face, mouth, eating, drinking or smoking when exiting any water. Personnel are instructed to leave the water immediately should they begin to feel cold or tired.			

Use of Chainsaws	Risk of injury or fatality while using chainsaw. These hazards include: amputation, fire, death, vibration and cuts and laceration.	5	3	15	The appropriate PPE will be used at all times. This will include safety helmet with visor/ear defenders, gloves with protective guarding on the back of the left hand, leg and body protection incorporating clogging material, safety boots and non-sang outer clothing. Saw will not be used when working alone. Saw will not be used at shoulder height or when off balance. Other personnel must be at least 5 meters away. The engine will be switched off when not being used. The saw will be maintained to the manufacturers recommendations and this will include: • Chain catcher, silencer, guide bar, drive sprocket, side plate, front and rear hand guards and any anti vibration mountings. • The chain will be properly tensioned and sharpened. All stop switches, brakes and throttles work properly. • Only trained at any time. • Care will be taken to ensure the saw is not refueled when hot to prevent fire.	5	1	5
Use of Tracked Excavator	Risk of serious injury due to ground conditions being unstable, rocky, steep sloped or very soft. Risk of serious injury or fatality due to Machine operating near overhead powerlines. Risk of Bogging / Debogging	4	3	12	The operator and supervisor will inspect the area before hand to make sure conditions of the are suitable. The safe working distances from overhead Energized power lines should be clearly identified. Only trained personnel are permitted to operate machinery. Operator to walk ground and avoid areas of poor. Bearing capacity	4	1	4

Use of Tractor and Ripper	Risk of injury or fatality due to contact with tractor and ripper used for clearing stumps in area where road is to be built. Risk of failure in hydraulic line on ripper	5	3	15	All tractor operators are trained and have the relevant documents to show this. Only trained operators are allowed to operate any tractors/ripper drivers on site at any time. When not in use the tractor must be parked in a safe manner with the keys removed and the hand brakes applied to prevent any movement. All employees will be aware of the operation of the tractor near their position. Employees will always wear the appropriate high viz PPE on site. The employees will always allow for eye contact with the tractor operator. Before any work commences all hydraulic lines are checked to ensure they are connected properly and without any wear or tear. 3 x	5	1	5
Contact with over head powerlines	Risk of injury or fatality due to contact with high voltage cables.	5	5	25	All high voltage cables will be identified before any machinery arrives on site. The ESB lines will be identified and marked off with “no work to be carried out underneath them” and safety warning signs to prevent danger Safe working distances from overhead Energized power lines should be clearly identified and work undertaken in accordance with the Forestry Standards & Procedures Manual. All ESB guidelines will be followed at all times.	5	1	5