

Risk Assessment Guide - 107

Snow Clearing and Gritting

Assessment Details	
Operation:	Snow Clearing and Gritting
Site / Location:	<i>Specific to your site</i>
Assessment Compiled by:	<i>This is an example</i>
Also refer to: SSW 052	

Risk Assessment Guidance

Guidance					
Hazard:	<i>Something that has the potential to cause harm. Eg. Task, machine, environment.</i>				
Risk:	<i>The possibility that something unpleasant or unwelcome will happen.</i>				
Severity:	1: Negligible	2: Minor	3: Moderate	4: Major	5: Extreme
Likelihood:	1: Unlikely	2: Possible	3: Likely	4: Very Likely	5: Certain
Risk rating:	1-4: Low	5-9: Moderate	10-14: Substantial	15-25: Unacceptable	

Hazard	Risk	Person at risk (Tick those applicable)	Severity (A)					Likelihood (B)					Risk rating =(C) (A x B = C)
			1	2	3	4	5	1	2	3	4	5	
Using Spreader Vehicles on the Highway	Collisions and other accidents on the highway; (poor vision and skidding). Muscular and skeletal damage to the operator and pedestrians.	Staff?											Low
		Public?											Moderate
		Contractors?											Substantial
		Other property?											Unacceptable

Hazard	Risk	Person at risk (Tick those applicable)	Severity (A)					Likelihood (B)					Risk rating =(C) (A x B = C)	
			1	2	3	4	5	1	2	3	4	5		
Working in Public Area with Spreader Vehicles	Ejection of grit salt causing bodily and eye damage. Loading equipment, whilst equipment is in operation and when cleaning equipment, injured by ejected grit and salt to the operator.	Staff?												Low
		Public?												Moderate
		Contractors?												Substantial
		Other property?												Unacceptable

Hazard	Risk	Person at risk (Tick those applicable)	Severity (A)					Likelihood (B)					Risk rating =(C) (A x B = C)	
			1	2	3	4	5	1	2	3	4	5		
Clearing Snow and Gritting by Hand	Manual handling; lifting, twisting, bending, pushing and pulling causing strains and sprains, muscular and skeletal damage to operator.	Staff?												Low
		Public?												Moderate
		Contractors?												Substantial
		Other property?												Unacceptable

Hazard	Risk	Person at risk (Tick those applicable)	Severity (A)					Likelihood (B)					Risk rating =(C) (A x B = C)	
			1	2	3	4	5	1	2	3	4	5		
Exposure to Vibration	Equipment emissions causing vibration not likely to exceed 5m/s ² . Whole body vibration not likely to exceed 1.15m/s ² .	Staff?												Low
		Public?												Moderate
		Contractors?												Substantial
		Other property?												Unacceptable

Hazard	Risk	Person at risk (Tick those applicable)	Severity (A)					Likelihood (B)					Risk rating =(C) (A x B = C)	
			1	2	3	4	5	1	2	3	4	5		
Excessive Exposure to Noise	Equipment emissions. Not likely to exceed 85dB(A) in enclosed cab. May exceed with open or no cab.	Staff?												Low
		Public?												Moderate
		Contractors?												Substantial
		Other property?												Unacceptable

Hazard	Risk	Person at risk (Tick those applicable)	Severity (A)					Likelihood (B)					Risk rating =(C) (A x B = C)
			1	2	3	4	5	1	2	3	4	5	
Working on Ice and Snow	Slips and falls causing bruising to the operator and others. Muscle and skeletal injury to the operator and others.	Staff?											Low
		Public?											Moderate
		Contractors?											Substantial
		Other property?											Unacceptable

Hazard	Risk	Person at risk (Tick those applicable)	Severity (A)					Likelihood (B)					Risk rating =(C) (A x B = C)
			1	2	3	4	5	1	2	3	4	5	
Extreme Weather Conditions	Low temperatures and cold winds causing Hypothermia to employees.	Staff?											Low
		Public?											Moderate
		Contractors?											Substantial
		Other property?											Unacceptable

Hazard	Risk	Person at risk (Tick those applicable)		Severity (A)					Likelihood (B)					Risk rating =(C)
				1	2	3	4	5	1	2	3	4	5	(A x B = C)
Working Alone	Lack of communication causing inability to report or receive assistance for emergency situations and injury to operator and others.	Staff?	<input type="checkbox"/>											Low
		Public?	<input type="checkbox"/>											Moderate
		Contractors?	<input type="checkbox"/>											Substantial
		Other property?	<input type="checkbox"/>											Unacceptable

Hazard	Risk	Person at risk (Tick those applicable)		Severity (A)					Likelihood (B)					Risk rating =(C)
				1	2	3	4	5	1	2	3	4	5	(A x B = C)
Salting	Salt damage to plant life (Plasmolysis).	Staff?	<input type="checkbox"/>											Low
		Public?	<input type="checkbox"/>											Moderate
		Contractors?	<input type="checkbox"/>											Substantial
		Other property?	<input type="checkbox"/>											Unacceptable

Sum Total of Risk rating (C) ÷ Number of Hazards = overall risk rating	
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Guide to Task Assessment Control Measures – Examples

<p>Risk</p>	<p>A site specific or local risk assessment and the recording of control measures, must be read and understood by the appropriate employees. Ensuring that the hazards associated with the routes and rounds are made known to the relevant employees, assessments of routing must always take into account the appropriate protection of the public E.g. Information, communication, warning and guarding. Members of the public must not be allowed into the working danger zone. If the public do enter the danger zone work must cease until they have left.</p> <p>All work on the highway must be pre planned in consideration of the amount of clearance gritting or salting to be carried out.</p> <p>Consideration must also be given to traffic sensitive and pedestrian sensitive areas giving due care to the protection of both employees and others.</p> <p>All employees must wear appropriate weather clothing (several thin layers are better than one thick layer for insulation purposes). High visibility clothing must also be worn when working on the highway.</p> <p>Care must always be taken when spreading salt or grit where members of the public are present.</p> <p>Snow should be mounded so that it defines a path and does not cause additional hazards.</p> <p>All vehicle and pedestrian machinery operators must be aware that adverse weather conditions will affect driving visibility, safe speed and road adhesion. Drivers must also ensure that lights / beacons and other warning signs are visible. Care should be taken when lifting or spreading bagged materials such as grit and salt.</p>
<p>Cert</p>	<p>All drivers must hold the appropriate driving licence for the vehicle being driven. This must be recorded on individuals training records.</p> <p>No unauthorised passengers, loads or animals may be carried, no vehicle may be used for personal uses or outside of work time unless authorised.</p>
<p>Maintenance</p>	<p>All vehicles must be kept in good order and clean. No deliterous material should be left in the cab or carriage area.</p> <p>Do not jump from the back of a vehicle and watch for pot holes when dismounting from the cab.</p>
<p>Hygiene</p>	<p>Always carry out good hygiene practices E.g. washing hands after work and before eating, drinking and smoking in order to avoid infection E.g. Toxicariasis and Leptospirosis.</p> <p>Teams should have access to first aid kits and washing or wipe facilities.</p> <p>Do not carry out any maintenance or repairs if you have not been trained to do so.</p> <p>Do not remove radiator caps when engine and coolant is hot.</p>

Guide to Personal Protective Equipment (PPE)

PPE	Required?			Specification	Other possible options
	Yes?	Possibly?	No?		
Footwear	✓			Foot Protection EN 345 S2	Safety Wellingtons EN ISO 20345:2011 Safety Boots (Forestry) EN ISO 20345:2011 - EN 381-5
Hand Protection	✓			Hand Protection CE Category 1	Red PVC with knitted wrist band EN 388:2016 Canadian Rigger EN 388:2016 Nitrile EN 388:2016 Cut and Abrasion Resistant EN 388:2016 Forestry EN 388:2016 Anti-Syringe EN 388:2016
Eye Protection		✓		Eye Protection EN 166	Mesh Visor EN 1731
Hearing Protection		✓		Hearing Protection EN 352	Plugs EN 352, Forestry EN 352, Combi EN 1731 The specific noise reduction (SNR) Numbers must bring the noise value of the machine to below 85dB(A)
Head Protection		✓		Head Protection EN 397	Bump Cap EN 812 Forestry Helmet EN 397, Combi EN 352 – 3 Helmet chin strap EN 12492
Hi-Visibility Clothing	✓			Hi-Visibility Clothing EN 471	Waterproof Jacket EN 343, Hi-Vis Vest EN471
Body Protection	✓			Body Protection EN 470	Trousers, Sweatshirts, Polo Shirts, EN 470 Wet Weather Suits EN 470 & EN 343 Coveralls (Pesticides and Herbicides). EN1073-2 Types 5&6. Forestry Ballistic Trousers Types A & C EN 381 5
Safety Signs		✓		Safety Signs	Public and Highway warning signs may be required (to be used where identified by your site specific risk assessment)