



Barette Plant Hire Ltd

Preliminary Risk Assessment

Les Cypres, St Lawrence, Jersey

Assessor: Antony A Pallot CMIOSH MIIRSM

PRELIMINARY RISK ASSESSMENT

Assessors:
Antony A Pallot

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Work / Task Location: Les Cypres, St Lawrence, Jersey

Describe Activity:

Clearance of top field, removal of rock face and disposal of spoil to land above. The consequences of inadequate planning and delegation of responsibilities could lead to potential fatalities.

Risks to be re assessed based on the production of the geo-technical engineering design for the removal of the rock face. Clear responsibilities need to be drawn up by way of the appointment of a competent project manager.

Works must not proceed without final risk assessment and method statement with engineering controls agreed with all parties.

Acceptability of Risk Guidance:

High Risk

High Risk activities require immediate effective control measures to be introduced and followed.

Medium Risk

Medium Risk activities should only be tolerated for the short-term and then only whilst further control measures to mitigate the risk are planned and introduced within a defined time period. NOTE: medium risks can be a Company's greatest risk due to the fact that they can be tolerated in the short-term.

Low Risk

Low Risk activities are largely acceptable, subject to periodic reviews, or after significant change.

Risk Assessment

TASK	POTENTIAL HAZARD	WHO IS AT RISK	LEVEL OF RISK	CONTROLS REQUIRED TO BRING RISK TO ACCEPTABLE LEVEL
Setting up for site taking account of welfare requirements	Lack of adequate welfare facilities causing illnesses and poor hygiene.	Employees	Low	<ul style="list-style-type: none"> Ensure access to adequate welfare and sanitation prior to commencement of work on site Ensure shelter and break facilities are adequate for staff
Access and egress to site via public road	Road traffic accidents when accessing from lower lane.	Employees and other road users	Low	<ul style="list-style-type: none"> Ensure adequate control of traffic when accessing the property from Rue de la Ville Emphire Provide advance warning signage in both directions Ensure banksman is used whenever necessary Prohibit reversing without a banksman to roadway
Working alongside residents	Accidents to residents from falling debris and rock	Persons below	High	<ul style="list-style-type: none"> Risks from falling rock to be reduced by the engineering design for the removal of the rockface. Residual risks from the engineering design to be evaluated and mitigated prior to works commencing Ensure that concrete protection barrier is in place and kept in good condition. Use suitable anchored / mesh as needed. Inspect the concrete protection barrier and its anchor points daily Ensure a safe passage past the works is maintained for pedestrians and residents or restrict access totally Ensure that this passage way is clear of obstructions Remove any rock that may build up behind protective barrier to ensure its capability of restraining any rock fall during works
Site Security	Accidents to uncontrolled persons accessing the site	Residents and children living in area	High	<ul style="list-style-type: none"> Ensure the site is secured using 6 ft high Heras fencing outside working hours and when unattended Post signage warning of the prevailing hazards.
Clearance work to top field	Chainsaw accidents	Machine operators	High	<ul style="list-style-type: none"> Ensure trained and competent persons operate chainsaw equipment Ensure correct PPE is worn at all times Ensure that work is planned where there are men working near any mobile plant and equipment

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Wood clearance	Spread of fire and smoke when burning waste	Neighbours	High	<ul style="list-style-type: none"> Implement all alternatives (such as wood chipping) in preference to burning waste on site
Machine operation on rockface	Machine roll over down rockface	Machine operators and persons below	High	<ul style="list-style-type: none"> Ensure machines are operated by competent operators and work is undertaken according to geotechnical engineered design drawings Ensure correct size of excavator is selected with long dipper Ensure that machines do not operate on the edge of the rockface by using "internal deliberate collapse" methodology
Removal of rock	Falling materials to persons below	Persons below	High	<ul style="list-style-type: none"> Ensure the site is secured during rock removal operations Ensure that concrete protection barrier is in place and kept in good condition. Inspect the concrete protection barrier and its anchor points daily Use suitable anchored catchfences / mesh as required
Premature collapse	Falling material causing excavator to fall	Machine operator	High	<ul style="list-style-type: none"> Monitor condition of rock daily Ensure internal excavation methodology by excavating from behind rockface Ensure all plant is located on secure and stable platforms. Do not overreach with plant and operate within safe working loads
Working with plant	Failure of plant	Operators and others in work area	Medium	<ul style="list-style-type: none"> Ensure all plant used is in good order and well maintained Ensure operators check equipment daily Inspect all plant prior to use and ensure all safety devices are fitted.
Working around plant during operation	Accidents to persons on site	Persons in working areas	Medium	<ul style="list-style-type: none"> Whenever possible segregate pedestrian and vehicle routes Avoid the need for reversing by providing turning circles if practicable Provide banks men to all reversing vehicles Provide dedicated banks man at Ground level Ensure all site operatives are provided with High Visibility clothing Provide suitable signage Ensure all visitors report to site foreman for induction

TASK	POTENTIAL HAZARD	WHO IS AT RISK	LEVEL OF RISK	CONTROLS REQUIRED TO BRING RISK TO ACCEPTABLE LEVEL
Dust	Respiratory disorders and environmental nuisance	Employees and neighbours	Medium	<ul style="list-style-type: none"> Reduce or eliminate dust at source by watering down areas to minimise dust Consider wind direction and location of residential property when planning activity that may create dust
Noise	Damage to hearing	Employees	Medium	<ul style="list-style-type: none"> Avoid noisy operations if practicable Wear ear protection when required Turn off noisy equipment when not in use
Noise	Environmental nuisance	Residents	Low	<ul style="list-style-type: none"> Ensure that equipment has silencers according to manufacturers specification Ensure that work is carried out at times in accordance with Environmental Health guidelines Monitor and record noise levels during project Consider weather conditions and prevailing wind conditions when noisy work is likely
Excavation work	Flooding and surface water issues	Property below	Medium	<ul style="list-style-type: none"> Ensure any likely surface water is directed away from property below
Emergencies in general	First Aid	Employees and others	Low	<ul style="list-style-type: none"> Ensure adequate first aid is available on site Ensure first aid equipment is in date and good order Ensure adequate means of communication with emergency services if required. Site induction should include procedures for summoning assistance and directing emergency access vehicles
Exposure to substances hazardous to health	Dermatitis, skin irritations and illness	Employees	Low	<ul style="list-style-type: none"> Consider all likely exposure to substances hazardous to health and consult with the MSDS with regard to safe handling, storage, PPE and disposal
Selection of PPE	Incorrect selection of equipment designed to protect the worker at work	Employees	Medium	<ul style="list-style-type: none"> Wear appropriate clothing for the climatic conditions Cover up or use sun block if working outside for prolonged periods in sun Wear suitable clothing for cold and wet weather Ensure PPE is selected based on tasks and risks of injury

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Operating hand held pneumatic breakers	Vibration	Operators	High	<ul style="list-style-type: none"> • Ensure all equipment is selected with regard to minimising vibration. • Minimise exposure to hand / arm vibration by selecting excavator mounted tools
Housekeeping	Slips, Trips and falls	All persons	Medium	<ul style="list-style-type: none"> • Maintain a clean site. • Clear away rubbish to disposal • Do not obstruct walkways or emergency access routes • Check site for uncoiled hose pipes / cables unless in use • Inspect site regularly
Storage of fuels	Release of fuels to the environment and fire risks	All persons	Low	<ul style="list-style-type: none"> • Minimise storage on site • Avoid storing fuels adjacent to drains and water courses • Inspect fuel storage facilities regularly • Do not place storage tanks where they are exposed to impact by the plant • Petrol should be stored in sealed steel containers in minimal quantities only • Store fuels away from sources of ignition
Supervision	Lack of supervision	All persons	Medium	<ul style="list-style-type: none"> • Works to be supervised by competent person at all times
Maintaining safety standards	Apathy to safety	All persons	Medium	<ul style="list-style-type: none"> • Carry out formal safety inspections on a regular basis by an independent competent person.
Prepared by: Antony A Pallot CMIOSH MIIRSM			Date: 28 th April 2013	Reviewed by: BPH Ltd