

RISK ASSESSMENT FOR GREAT ORME MINES

ITEM	ACTIVITY, DESIGN, PROCESS, MATERIAL	HAZARD	ACTIONS TO REDUCE/PREVENT RISK	Risk Assessment Low/Med/High
	UNDERGROUND:			
1A	Tunnels or passages	Darkness	Lighting system illuminates all areas. Lighting system is checked on daily basis.	Low
1B		Disorientation	Directional signs indicate route.	Low
1C		Straying from route	Directional signs to indicate route and barriers placed to unauthorized areas.	Low
1D		Overcrowding	Visitors' access to underground is regulated to prevent overcrowding.	Low
1E		Claustrophobia	Visitors are informed of size of tunnels and length of the route.	Low
2A	Floor surface	Slipping on surface	Non skid (grooved) concrete surfaces, non skid steel grilles and handrails are provided.	Low
3A	Ceiling	Low ceiling – hitting head	Helmets required to be worn.	Low
4A	Lighting	Failure	Emergency lighting system operates if failure of main power.	Low
4B		Lead acid battery emergency lighting (hydrogen gas)	Batteries placed away from tourist route in well ventilated area.	Low
5A	Ventilation	Lack of ventilation	Good ventilation is maintained by having a number of connections to surface air.	Low
6A	Radon	Exposure to radon gas	Radon gas monitoring has been completed and concentrations are below action level. Good ventilation throughout the mine minimizes risk of exposure.	Low
7A	Physical accident	Tending to casualty	There are first aid supplies and list of emergency rescue phone numbers located at the Visitor Centre.	Low
	SURFACE:			
8A	Walkways	Slipping on gravel surface	Maintaining smooth surface and provision of handrails.	Low
9A	Rock exposures	Falling rock	All walkways are situated away from these areas.	Low
10A	Spoil material	Loose or falling spoil	All walkways are situated away from these areas.	Low
11A	Access to site	Trespassing	Entire site is fenced with 5' steel post and wire mesh fencing	Low
12A	Physical accident	Tending to casualty	See item 7A	Low
13A	Access to buildings	Awkward for disabled persons	Provision of ramps where appropriate.	Low