

Geo-Hazard Checklist

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	GREEN; LEVEL 1	Yellow; LEVEL 2	ORANGE; LEVEL 3	RED; LEVEL 4
Rainfall	G1 No rainfall recorded in area in the last 48 hours	Y1 Minor rainfall recorded in last 48 hours <50mm - no water observed pooling on pit crest, berms or ramps	O1 Significant rainfall recorded in last 48 hours >50mm - shallow water observed pooling on pit crest, berms or ramps.	R1 Significant rainfall recorded in last 48hrs large / deep pooling water on pit crest, berms or ramps
Wall Failure (e.g. rockfalls, slope failure, ravelling, wedge failure)	G2 No wall failures	Y2 Isolated small failures sub-batter scale with no material on ramps /near work area.	O2 Intermediate scale failure- batter scale failures with no material on ramps / work area	R2 Large / significant failures Multi-batter failures. Failures which intersect ramps or pit crests. Material from failures impacted ramps or work areas.
Wall / crest deterioration	G3 No visual sign of deterioration	Y3 Small cracks (<50mm) may be seen around pit crests behind windrow/ bunding. Not above work areas or ramps	O3 Small cracks (<50mm) may be seen around pit crests behind windrow / bunding. Cracking may be seen on in pit berms outside ramps or work areas.	R3 Significant cracking (>50mm) seen on ramps / pit crests and / or in the vicinity of proposed work area.
Highwall condition	G4 No / minor instances of loose rocks or hung up material (e.g. undercuts)	Y4 Loose rocks present on highwall not above ramps or work areas.	O4 Loose rocks present on highwall as well as open structures forming planes or wedges may be observed but not above ramps or work areas	R4 Significant loose rocks or open structures forming R4R4R planes or wedges observed on highwall around ramps and work areas
Work Area Changes	G5 No visual changes from last pit / area entry	Y5 Minor changes / deterioration away from ramps and work areas	O5 Minor changes / deterioration away from ramps and work areas	R5 Pit wall deterioration observed around ramps and work R5 areas
Response	Sign off on existing JHA or complete new JHA and have signed by supervisor - Complete Take 5 - Proceed with task	Sign off on existing JHA or complete new JHA and have signed by supervisor - Complete Take 5 - Contact Supervisor if unsure - Proceed with task	Sign off on existing JHA or complete new JHA and have signed by supervisor - Inform Supervisor - Proceed with task if risk assessed as low as reasonably practicable (ALARP)	Sign off on existing JHA or complete new JHA and have signed by supervisor - Inform Supervisor - DO NOT proceed with task without Geotechnical assessment
Identified risk level				
Comments				
<p>This form is to be completed EVERY time before entering a historic open pit. Only ONE geohazard has to be present in a column to influence the risk level. For example, if all but one of the hazard rows have a risk level of 1, then the response must correspond to that higher risk level.</p>				Geologist Name: Geologist Signature: Date: