

Key Table 1: Explanation of Risk Register and other Tables

Modified from CIRIA, (1995) FR/CP/32 & (1996) Report no 125
Refers also to ICE Publication "Managing Geotechnical Risk"

Table Describing Likelihood or Probability

Likelihood / probability			
Description	Suggested probability	Simple Rating	Guidance
Highly likely	85% - 90%	5	Major hazard or incident that is highly likely to be activated or several hazards that are likely to be activated during the period of concern (e.g. contract duration and DLP)
Probable	70%	4	Major hazard or incident that will probably be activated or several items that will probably be activated during the period of concern
Possible/ Occasional	55% - 65%	3	Hazard or incident that may possibly occur sometime in the period of concern
Remote	40% – 50%	2	Unlikely but possible in the period of concern
Improbable	30% – 40%	1	So unlikely that it can be assumed that it will not occur or it cannot occur

Table showing classification of Consequences

Description	Simple Rating	Guidance
Catastrophic	5	Death, system loss, bankruptcy, damages exceed £1M
Critical	4	Occupation threatening injury or illness, major damage, substantial damages, exceeds contingency
Serious	3	Lost time injury or illness, damage causing down-time of plant, consumes contingency, requires an insurance claim
Marginal	2	Injury or illness requiring first-aid, minor damage that can await routine maintenance, accommodated as part of the contingency
Negligible	1	So minor as to be regarded as without consequences

Table showing assessment of acceptability

Consequences >		Catastrophic		Critical		Serious		Marginal	
Likelihood ↓		5		4		3		2	
Highly likely	5	Unacceptable	25	Unacceptable	20	Unacceptable	15	Undesirable	
Probable	4	Unacceptable	20	Unacceptable	16	Undesirable	12	Undesirable	
Possible/ Occasional	3	Unacceptable	15	Undesirable	12	Undesirable	9	Acceptable	
Remote	2	Undesirable	10	Undesirable	8	Acceptable	6	Acceptable	
Improbable	1	Undesirable	5	Acceptable	4	Acceptable	3	Negligible	

Table showing guidance on acceptability of risk