

Table 8.10 Hazard Impacts

Scheme	PHI	Size of CZ	Number of stations within the CZ	Length of track within the CZ
EKL	(K1) HK & China Gas facility at Ma Tau Kok	300m	1 (TKW station - underground)	720m (below ground)
TDL (Option 1)	(N13) Shatin Water Treatment Works	1,000m	0	900m (320 above and 580 below ground)
TDL (Option 2)	(N13) Shatin Water Treatment Works	1,000m	0	600m (below ground)
PRL	(N13) Shatin Water Treatment Works	1,000m	0	100m (below ground)
PRL	(N37) Shek Lei Pui Water Treatment Works	1,000m	0	120m (below ground)
ERX (via Lok Fu)	(N13) Shatin Water Treatment Works	1,000m	0	350m (below ground)
ERX	(N14) Tai Po Tau Water Treatment Works	1,000m	0	1,300m (below ground)
ERX (extension to Lo Wu)	(N18) Sheung Shui Water Treatment Works	1,000m	0	2,200m (above ground)
NOL	(N22) Au Tau Water Treatment Works	1,000m	1 (KSR station - above ground)	1,220m (above ground)
NOL	(N18) Sheung Shui Water Treatment Works	1,000m	0	1,680m (above ground)

8.6.4 From Table 8.13 it is possible to gain an overall indication (using the criteria in the EPIs) of the cumulative hazard related implications from implementing the rail development options. The actual scope and magnitude of the hazard implications will, if required, need to be determined at a later date (once the alignments are further developed) as part of a hazard assessment.

8.6.5 The overall extent of the hazard implications will be dependant upon which routes and route options that are implemented. For the purposes of this assessment, it has been assumed that the strategic implications of underground sections of alignment will be significantly lower than above ground sections. Therefore, the quantification of cumulative hazard implications has been assessed by determining the sum total of above ground rail track that runs within the CZs. Where route options exist, the option with the greatest length of track within the CZ have been used to provide a 'worst case' indication of the cumulative hazard implications.

Table 8.11 "Worst-case" Cumulative Hazard Implications

Scheme	Number of Above Ground Stations within CZ (m)	Length of Above Ground Track within CZ (m)
TDL (Option 1)	0	320
ERX (Extension to Lo Wu)	0	2,200
NOL	1	1,220
NOL	0	1,680
Total	1	5,420