

Appendix to 12-month Gas Monitoring Plan – Gas Screening Criteria – v3

Determinant	Tier 1 (above ambient)		Tier 2 (watch point)		Tier 3 (action point)	
	Below Basal	Above Basal (within void)	Below Basal	Above Basal (within void)	Below Basal	Above Basal (within void)
CH⁴ (%v/v)	No Criteria	0.1%v/v set at LOD additional targeted monitoring to be progressed	No Criteria	1.0%v/v set at 20% LEL weekly monitoring to be progressed specialist to be consulted	No Criteria	2.5%v/v set at 50% LEL specialist to be consulted
CO² (%v/v)	No Criteria	0.1%v/v set at LOD additional targeted monitoring to be progressed	No Criteria	5.0%v/v set to BS 8485 criteria specialist to be consulted (inc. development and implementation of appropriate Tier 3 values)	No Criteria	No Criteria
O² (%v/v)	No Criteria	<20.5%v/v set to below ambient	No Criteria	<19%v/v set to EH40/2005 asphyxiant criteria specialist to be consulted (inc. development and implementation of appropriate Tier 3 values)	No Criteria	No Criteria
CO (ppm)	No Criteria	>1ppm(v) set at LOD additional targeted monitoring to be progressed	No Criteria	20ppm(v) set to EH40/2005 criteria specialist to be consulted (inc. development and implementation of appropriate Tier 3 values)	No Criteria	No Criteria
H²S (ppm)	No Criteria	>1ppm(v) set at LOD additional targeted monitoring to be progressed	No Criteria	2ppm(v) specialist to be consulted	No Criteria	10ppm(v) set to OSHA PEL criteria specialist to be consulted
PID (ppm)	No Criteria	0.1ppm(v) set at LOD additional targeted monitoring to be progressed	No Criteria	5ppm(v) additional targeted VOC sampling and laboratory analysis to be progressed (inc. Benzene, TO15 and Top10 testing - results to be interpreted by specialist) specialist to be consulted (inc. development and implementation of appropriate Tier 3 values)	No Criteria	No Criteria