

Training session 'Health & Safety & Logistic in Tunnel Construction'

15 – 16 November 2016 – Santiago de Chile

Venue: To be confirmed

Objective: to provide an introduction to Health and Safety, and Logistics in tunnel construction. The seminar will provide a general overview to be followed by more in-depth sessions on the hazards and risk associated with specific tunnelling techniques, generic safety and health issues affecting tunnel construction. Finally, logistics in tunnel construction will be presented focusing on long tunnels as well as tunnel in urban areas.

Tentative Programme

Tuesday 15 November 2016

Session 1: General overview

09:00 – 09:30: Welcome & Opening - Introduction to Health & Safety
09:30 – 10:00: Legislation relevant to Chile – Mutual de Seguridad
10:00 – 10:30: Main concerns & feedback from experience on Chilean worksites

10:30 – 11:00: *Coffee break*

11:00 – 11:30: Client role & requests (Client from Chile)
11:30 – 12:00: Contractors views & possibilities (Contractor from Chile)
12:00 – 12:30: Discussions & Questions

12:30 – 14:00: *Lunch*

Session 2: Hazard and risks associated with different construction methods

14:00 – 14:30: Hazard identification, risk assessment, risk management and Role of parties – contracts requirements
14:30 – 15:30: Machine tunnelling in soft ground and hard rock
15:30 – 16:00: *Coffee Break*
16:00 – 16:30: Drill & Blast & explosives safety
16:30 – 17:00: Sprayed concrete support & lining
17:00 – 17:45: Hand tunnelling, Shaft sinking, Ground improvement, Compressed air, Membranes, Tunnel services
17:45 – 18:00: Questions & Answers

Wednesday 16 November 2016

Session 3: Health and Safety in tunnelling construction

09:00 – 09:45: Occupational Health & Welfare
09:45 – 10:00: Competence of work force (training) & personal safety
10:00 – 10:30: Atmosphere monitoring, self-rescuers
10:30 – 11:00: *Coffee Break*
11:00 – 11:30: Ventilation
11:30 – 12:00: Tunnel site organisation, Communications, Lighting
12:00 – 12:30: Tunnel transport & access
12:30 – 14:00: *Lunch*

Session 4: Fire and Emergency procedures

14:00–14:45: Emergency procedures, refuge chambers
14:45–15:30: Fire
15:30–16:00: *Coffee Break*
16:00–17:00: Round Table: Client, Contractor, Insurance, Experts
17:00–17:30: Closing