

Quarry Day Syllabus

Introduction to 'Quarry Day'

- HSE accident statistics
- Rationale for quarries regulations
- HSE target for improvement

Module 1

Part 1: Management of Health and Safety in Quarries

- Responsibilities
- The 'Health and Safety Document' (required by Quarry Regulations)
- Emergency and accident procedures

Part 2: Vehicle Safety

- Operator and pedestrian safety
- Operator visibility difficulties
- 'Vehicle Rules'
- Parking considerations

Part 3: Danger Areas

- Defining 'Danger Areas'
- Examples:
 - Excavations, tips and free flowing materials
 - Bitumen coating plants
 - Railways and docks
- Precautions during blasting operations

Part 4: Hazardous Operations

- Safety precautions during normal, maintenance and breakdown work
- Fencing
- Isolation / lock-off procedures
- Permit to Work and example applications:
 - Confined spaces, crusher clearance, conveyor tensioners



Part 5: Health risks working in quarries

- Dusts, diseases, noise, vibration, and dehydration
- Control risks measures including PPE Excavations, tips and free flowing materials
- Bitumen coating plants

Part 6: Environmental Considerations

- Public perception of environmental impacts
- Powers of inspectors / enforcing authorities and penalties
- Precautions to avoid spillage and groundwater contamination
- Waste segregation and disposal
- Air pollution from dust and noise
- Hazards and precautions associated with landfills
- Ecology and Archaeology

Module 2: Safe Working Practises

- Safe use of mechanical lifting equipment
- Requirements of LOLER
- Signalling – authorised personal
- Control of lifting operations
- Hazards of slung loads and overhead lines
- Hazards in the use of Fork Lift Trucks
- Hazards of plant operations and precautions

Module 3: Excavations and Confined Spaces

- Safe working in excavations and confined space
- Precaution to prevent collapse
- Inspection requirements
- Access egress and prevention of falls
- Lighting, ventilation requirements
- Effect of weather
- Emergency procedure
- Confined space regulations
- Specified risks
- Control measures: basic precautions / permit

Module 4: Working at Heights

- Safe work on roofs
- Prevention of falls and falling objects
- Scaffolding – register and inspection requirements
- Mobile scaffold towers – precautions
- Safe use of Mobile Elevated Work Platforms
- Use and misuse of ladders