

Safety Review - Worksheet Keywords

<u>ACTIVITY</u> (Const., Maint., Dem.)	<u>HAZARD</u>	<u>CAUSE OF HAZARD</u>	<u>ASSESS SEVERITY</u>	<u>RISK FREQUENCY</u>	<u>PROTECTIVE MEASURES IN DESIGN</u>	<u>RECOMMENDATIONS</u>
<p><u>Key Words:</u></p> <p>Construction :</p> <ul style="list-style-type: none"> ◆ Groundworks ◆ Excavations ◆ Foundations ◆ Tunnels/shafts ◆ Steelwork ◆ Pipework ◆ Shell/Roofwork ◆ Falsework/Formwork ◆ Site services ◆ Electrical/C&I ◆ Heating & Ventilation ◆ Handling ◆ Installation ◆ Coating/Finishing ◆ Start-up & Commissioning <p>O & Maintenance :</p> <ul style="list-style-type: none"> ◆ Mechanical ◆ Pressure ◆ Electrical ◆ C&I ◆ Repair in situ ◆ Remove/replace ◆ Cleaning <p>Demolition :</p> <ul style="list-style-type: none"> ◆ Survey/preparation ◆ Piecemeal demol. ◆ Controlled collapse ◆ Dismantling 	<ul style="list-style-type: none"> • Falls from height • Trapped by - • Struck by - • Contact with - • Exposure to - • Miscellaneous injury by - 	<ul style="list-style-type: none"> - Elevated working - Trench - Temporary Platform - Roof Collapse or overturn of: <ul style="list-style-type: none"> - Structure (part) - Equipment, piping - Earth, rocks - Vehicle, machinery - Vehicle, plant - Falling object - Electricity (tools or power lines) - Moving machinery - Hot surfaces - Harmful substances - Noise/vibration - Lifting - Restricted access - Lighting level - Stored energy or pressure - Inconsistent spec. - Other 	<p>High Medium Low</p>	<p>High Medium Low</p>	<p>Responsible engineer to identify the approach taken, if hazard has already been considered.</p> <p>Examples :</p> <ul style="list-style-type: none"> ◇ Insulation and earthing specified to standards ◇ Signs warning of danger have been specified on Layout drawings ◇ Identified in suggested erection procedure on drawing 	<p>The Design Review Team to decide if further design work is necessary and reasonably practicable. Actions to be recommended on basis of "hierarchy of risk control".</p> <p>Typical Recommendations might include :</p> <ul style="list-style-type: none"> ⇒ No further actions. ⇒ Construction to note Hazard; no design actions practicable. ⇒ Modify design to remove hazard by incorporating "xyz" ⇒ Relocate "xyz" to allow easier maintenance access. ⇒ Add "xyz" to assist in handling during construction ⇒ Add Note to design documentation. ⇒ Advise Customer of recommended additional feature, implement if approved.