Kriel Ash dam Drain Installation

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| HAZARDOUS CHEMICALS  • Oil  • Lubricant  • Additives  • Acids (e.g.  Batteries)  • Bleaches *I*  cleaning fluids  • Heavy metals (e.g.  Mercury)  • Solvent  • Flocculants |  | FIRE  • Combustible materials  • Flammable liquids  • Cutting *I* welding *I* grinding  • Electrical faults |  | ELECTRICITY I  • Cable damage  • Power failure  • Earthing  • Electrocution | **√** |
| ENVIRONMENTAL & HEALTH HAZARDS  • Oil spills  • Water pollution | **√** | HAZARDOUS  OBJECTS  • Sharp  • Heavy  • Moving | **√** | MOVING MACHINERY  • Road *I* track condition  • Crushing*I* caught between  • Ergonomics-poor posture  • Maintenance | **√** |
| OCCUPATIONAL HYGIENE  • Sanitation  • Infection *I*  contagious  diseases  • Manual handling  • Excessive hours  • Noise | **√** | MOVING MACHINERY  • Road *I* track condition  • Crushing*I* caught between  • Ergonomics-poor posture  • Maintenance | **√** | SLIPPING,  TRIPPING& FALLING  • Floor condition  • Oils and grease  • Bad visibility, slipping and tripping  • Material, tools or equipment in the walkway or working area | **√** |
| BAD VENTILATION   * Chemicals/vapours * Fire *I* explosion |  | FALLING OBJECTS  • Tools and equipment | **√** |  |  |
| ERGONOMICS  • Manual handling  • Poor posture  • Bad working position | **√** |  |  |  |  |

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| ENVIRONMENTAL & HEALTH HAZARDS  • Oil spills  • Water pollution  • Air pollution  • Insects  • Snakes  • Weather conditions  • Wind |  | EXCAVATIONS *I*  TUNNELING  • Unsupported walls  • Substandard support  • Scaling *I* creep  • Access  • PPE |  | HAZARDOUS  OBJECTS  • Sharp  • Hot *I* cold  • Heavy  • Unbalanced  • Moving  • Abrasive |
| OCCUPATIONAL HYGIENE  • Sanitation  • Infection *I*  contagious  diseases  • Radiation  • Manual handling  • Excessive hours  • Thermal stress  • Mental workload  • Noise |  | MOVING MACHINERY  • Pedestrians  • Nip points  • Driver *I* passenger  protection  • Driver competence  • Traffic control  • Road *I* track condition  • Visibility *I* illumination  • Suitability of machine  • Ergonomics-poor posture  • Maintenance |  | SLIPPING,  TRIPPING& FALLING  • Floor condition  • Falls from  heights  • Fall into  • Fall from vehicle  • Wet conditions  • Oils and grease  • Smooth surfaces  • Loose cables |

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