



PSR

PERFORMANCE | SAFETY | RELIABILITY

PSR INTERACTIVE



MAINTENANCE INTERFACE 02 - SAFE WORKING PRACTICES

This program is designed to give your production personnel the knowledge, skills and focus to maximize the performance, safety and reliability of your maintenance and construction activities, covering in detail topics such as:

- approval and issue of work permits
- safe isolation of equipment
- confined space entry
- hot work
- general work
- cranes, excavations and road closures
- special hazards
- use of personnel protection equipment
- application of safe working practices

CONTENT	DESCRIPTION
Introduction	A brief introduction designed to prepare trainees for the modules that follow
Module 01 - Approval & Issue of Work Permits	<p>Training and certification of permit signatories</p> <p>Concept of proprietary ownership</p> <p>Management of change controls</p> <p>Designation and responsibilities of work permit signatories - approving authority, countersigning authority, job/fire/entry watchers, fire & safety, issuing authority, maintenance or construction supervisor, contractor supervisors</p> <p>Gas testing</p> <p>Use of personnel protection equipment and application of safe working practices</p> <p>Planning, preparation and risk</p> <p>Examples of the use of work permits</p>

PROGRAM INFO

CATEGORY:

Maintenance Interface

MODULES:

8

PROGRAM DURATION:

300-420 mins (approx)

As with all our programs, the content is self-paced. Users are able to validate their understanding of the material through embedded interactive quizzes

Our programs are based on internationally recognized best practices and are designed to enable your production personnel to make a personal contribution to maximizing your profits and minimizing your losses

For further details of the style and methodology of our training programs, please refer to our website, where you can watch a demo video and apply for a free trial:

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CONTENT	DESCRIPTION
Module 02 - Safe Isolation of Equipment	<p>Purpose</p> <p>When required</p> <p>Methods of safe isolation - lock out, tag out, positive physical isolation</p> <p>Blinding practices - blind location, special blinding requirements, blind size, blind metallurgy, blind pressure rating, gasketing and bolting, preparation for blinding and the use of personnel protection during blinding</p> <p>Control of blind movements and blinding at shift changeover</p>
Module 03 - Confined Space Entry	<p>Purpose - when a confined space entry permit is required and when it is not required</p> <p>Hazards of confined space entry - asphyxiation, poisoning, fire, explosion, entrapment, physical injury, electrocution and heat stress</p> <p>Control of inert, initial and general entry - preparation, gas testing, restricted access, ladders and scaffolding, lighting, ventilation, when an entry watcher is required, entry watcher duties and responsibilities</p> <p>Hot work in confined spaces - restrictions, gas testing and breathing atmosphere</p> <p>Handling emergencies in confined spaces</p>
Module 04 - Hot Work	<p>Purpose - when a hot work permit is required and when it is not required</p> <p>Hazards of hot work - asphyxiation, fire, explosion, physical injury, electrocution and gas cylinder fire or rupture</p> <p>High risk hot work</p> <p>Hot tapping - definition, principle steps, hazards and compliance with design codes</p> <p>Compliance with engineering standards - welding procedures and welder certification</p> <p>Control of the hot work site - presence of flammable materials, secondary ignition sources, firefighting equipment/services, gas testing (location/frequency/results), when a fire watcher is required, fire watcher duties and responsibilities</p>
Module 05 - General Work	<p>Purpose - when a general work permit is required and when it is not required</p> <p>Hazards of general work - incomplete isolation of energy sources, non-use of personnel protection equipment, inadequate scaffolding or ladders and mis-use of hand or power tools</p> <p>Control of general work - safe isolation, gas testing, job watcher duties and responsibilities</p>

CONTENT	DESCRIPTION
Module 06 - Road Closure, Excavation, Cranes & Special Hazards	<p>Road closure - purpose, when a road closure permit or certificate is required and when it is not required, limitations, risks and precautions (ie: restricted emergency vehicle access)</p> <p>Excavation - purpose, when an excavation permit or certificate is required and when it is not required, limitations, risks and precautions (ie: fracture of buried pipes or cables, flooding, persons falling into or vehicles driving into the excavation, presence of gas or vapor, collapse of excavation walls, cave-in of excavated material, restricted personnel access/egress and emergency vehicle access)</p> <p>Cranes - purpose, when a crane permit or certificate is required and when it is not required, limitations, risks and precautions (ie: damage to underground or aboveground services, interruption or distraction by third party activities, damage to the crane and/or the lifted load, personnel injury, repositioning the crane), crane operator responsibilities and safe lifting practices</p> <p>Special hazards - purpose, when required (ie: asbestos removal or encapsulation, radiographic testing, handling toxic chemicals/acids/alkalis, catalyst dumping), limitations, risks and precautions</p>
Module 07 - Personnel Protection Equipment	Hard hats, work gloves, impervious gloves, safety shoes, safety boots, safety goggles, safety spectacles, full face shields, full face welding shields and hoods, ear protection, impervious & disposable suits, LEL/O ₂ /H ₂ S monitors, respirators, breathing air, harnesses & lifelines. harnesses & retrieval lines and coveralls
Module 08 - Safe Working Practices	<p>Scaffolding</p> <p>Portable ladders</p> <p>Hand tools</p> <p>Power tools</p>
Test	Trainees answer a random selection of questions to demonstrate understanding of the content covered throughout the modules