

WORKING WITH ENERGY: ISOLATION (PTW)

1 INTENT

To ensure the health, safety, and environmental (HSE) risks associated with Energy activities are effectively managed, to so far as reasonably practicable.

All Supervisors and Designated leads are responsible for implementation and compliance with this Standard. Contractors must meet or exceed the requirements of this Standard applicable to their work scope

2 REQUIREMENTS

CS Energy shall ensure that processes are implemented and maintained to ensure compliance to relevant legislation, Managing Risks of Plant in the workplace Code of Practice and Permit to Work requirements.

Energy isolation is a critical safety process used to prevent the unintended release of hazardous energy during maintenance, servicing, or repair activities.

Key Requirements for energy isolation:

- Work planning must include the identification and isolation of all hazardous energy sources and be authorised by a permit.
- A competent PTWO (Permit to Work Officer) specifies the necessary requirements to manage hazardous materials and stored energy on the isolation sheet.
- Isolation points must be clearly identified, verified, locked, and tagged to prevent inadvertent energising.
- The Officer in Charge (OIC) checks all isolations to ensure their effectiveness.
- All hazardous energy sources must be identified, de-energised, and physically isolated before any work is conducted on equipment or systems.
- All energy sources and equipment are considered live until proven isolated by a competent person.
- Physical isolation, de-isolation, and any isolation modifications must be completed and communicated by a competent and authorised person (OIC, PTWO).

3 DEFINITIONS

Isolation is the process of separating all sources of energy from an item of plant.

Isolation Point is the location or control device that enables a source of energy to be disconnected or physically restricted.

Isolation sheet is a form (either manually or electronically prepared) specifying the plant to be isolated, numbers of locks and tags required to affect the isolation, as well as a detailed list of instructions that must be followed during the isolation process.

A PTW is an authorisation, on the prescribed form, giving approval for work on specified equipment.

The PTWO is an authorised person who has successfully completed all appropriate PTW training and is deemed competent to isolate the plant and issue a PTW allowing work to safely proceed, then on return close the PTW and restore the plant.

The OIC is an authorised person who has successfully completed all appropriate OIC training and is deemed competent. They coordinate the work and where applicable, a workgroup which is operating within a specific PTW. The OIC carries the responsibility for the PTW once issued and the OIC shall surrender the PTW on completion of the job.