

Workplace Safety and Wellbeing Management System

Safety in Design, Commissioning and Decommissioning

Standard 13

Our Values:



Collaboration



Communication



Integrity



Efficiency



Leadership

TOGETHER WE PROUDLY ENHANCE THE QUALITY OF LIFE FOR OUR COMMUNITY

Intent

Assessment and management of Workplace Safety and Wellbeing (WSW) risks is an integral part of project design, construction commissioning and decommissioning to enable sound WSW performance throughout the construction and operational life of the facility. Decommissioning plans are established for new projects and existing facilities.

Performance Requirements

- The planning, design and selection of new sites, plant, equipment and processes takes into account known and projected WSW aspects and considers provisions for maintenance, modification, decommissioning, disposal and closure.
- Operational, maintenance and WSW expertise are integrated early in the project/design stage. Experience from previous projects and current operations are applied.
- Project WSW plans and procedures establishing technical integrity, WSW specifications and quality assurance requirements are established, documented and well understood.
- Technical standards for design, construction and commissioning (including any modifications) are compliant with legislation, relevant industry codes and standards. Sound engineering practices and risk management principles (e.g. quantified risk assessments, and WSW reviews) are utilised.
- Facilities are designed and constructed using technology which balances WSW and commercial risks with financial benefits.
- A process is established to evaluate and demonstrate that technical risks, biodiversity, social and environmental impacts as well as the minimisation of emissions and discharges are considered.
- Design reviews for constructability, operability and maintainability for maintenance of plant, equipment and systems ensure WSW risks and related considerations are effectively identified, addressed and documented.
- A Commissioning Plan is documented and approved so that it incorporates WSW risk management and defines responsibilities and competencies. The plan ensures that the facility, plant and equipment conform to required standards for operability.
- Decommissioning, remediation and restoration plans are established, costed and reviewed regularly using a risk based approach for end of life
- Pre and post-start up reviews are conducted and documented to confirm that:
 - Construction is in accordance with specifications;
 - Operations integrity measures are in place;
 - Emergency, operational and maintenance procedures are in place and are adequate;
 - Risk management recommendations have been addressed and required actions taken;
 - Training of personnel has been accomplished and documented;
 - Regulatory and licence and/or other permit requirements are met.