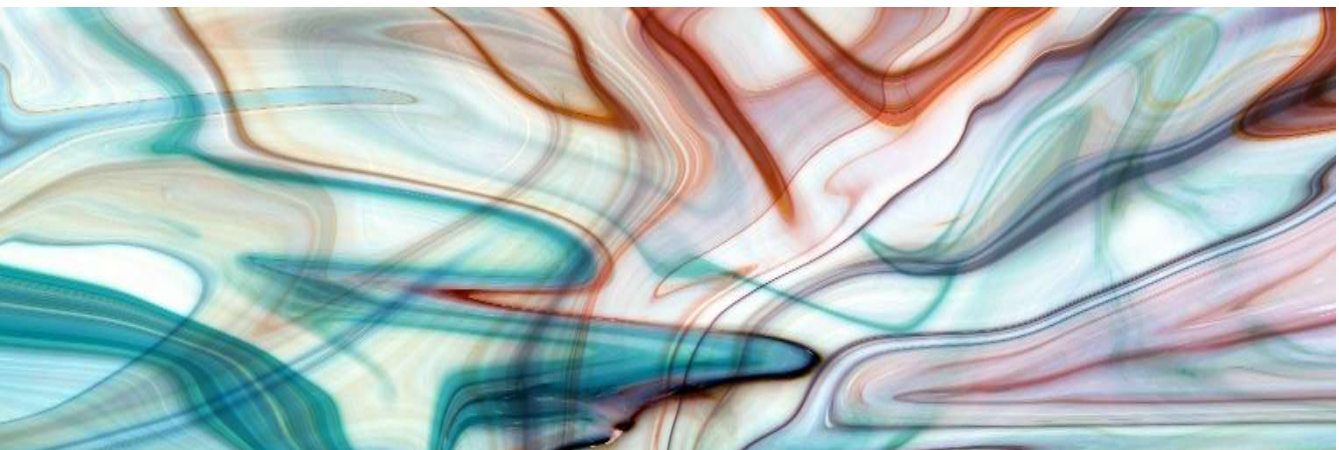




**CONSTRUCTION HEALTH AND SAFETY
MANAGEMENT PLAN**



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1 CONSTRUCTION HEALTH AND SAFETY MANAGEMENT PLAN FRAMEWORK

1.1 Definitions

A reference to the Principal Contractor in the Construction Health and Safety Management Plan is a reference to the Company with legal authority over the Construction Works. If no such Company is nominated then the Principal Contractor by default shall be the Project Owner (Client).

A reference to the Construction Health and Safety Management Plan is also a reference to the procedures that supplement this document and any referenced material such as Codes of Practice along with those Standards that are specific to the projects jurisdiction.

A reference to 'the relevant employer' in the Construction Health and Safety Management Plan is a reference to the Principal Contractor and/or a Contractor (including any employers sub-contracted to a Contractor), whichever is applicable.

A reference to 'the Project' in the Construction Health and Safety Management Plan is a reference to the scope of work for which the Project Owner controls as the Principal Contractor within a designated construction zone/s and any facilities used to manage and/or administer the work undertaken within a designated construction zone/s that are located on the Project site.

Construction work specifically means:

- Excavation, including the excavation or filling of trenches, ditches, shafts, wells, tunnels and pier holes, and the use of caissons and cofferdams;
- Building, including the construction (including the manufacturing of prefabricated elements of a building at the place of work concerned), alteration, renovation, repair, maintenance and demolition of all types of buildings; and/or
- Civil engineering, including the construction, structural alteration, repair, maintenance and demolition of, for example, airports, docks, harbours, inland waterways, dams, river and avalanche and sea defence works, roads and highways, railways, bridges and tunnels, viaducts, and works related to the provision of services such as communications, drainage, sewerage, water and energy supplies.

A construction zone means all places designated in which construction work will be undertaken on the Project site.

A reference to an employee of a Contractor in the Construction Health and Safety Management Plan is a reference to an employee of the Contractor and any self-employed person sub-contracted to the Contractor; any Sub-Contractor; and employees of any Sub-Contractor engaged by the Contractor.

1.2 Scope

In this Plan the Project Owner (Client) is appointed as the Principal Contractor for specified construction work (the scope of work) across all of the Project.

Therefore this Construction Health and Safety Management Plan is applicable to all Project works.

The Construction Health and Safety Management Plan ceases to have effect when construction work concludes or at a time when the Project Owner declares it no longer has effect.

The Construction Health and Safety Management Plan is to be read as supplementing any other Project Owner Safety Management System that has, or will be, implemented during the course of the Project. In circumstances where there is conflict between the Project Owners Safety Management System and this Construction Health and Safety Management Plan, the latter is the superior document but only to the extent that it applies to construction work undertaken in a construction zone/s on the Project unless otherwise expressed by the Principal Contractor.

For the purposes of this Construction Health and Safety Management Plan, a person, including a self-employed person; an employee of the Principal Contractor or Contractor or any other employer; and includes all managers and supervisors; is at work at the Project throughout the time when the person is at the Project, but not otherwise.

1.3 Legislative Matters

Prescriptive requirements detailed in the (Project Jurisdiction) Workplace Health and Safety Act (OHS Act) and the Workplace Health and Safety Regulations (WHS Reg) will be applied to this Project, unless the Project Owner nominates other legislation that needs to be applied.

Prescriptive requirements for construction work detailed in the WHS Reg will be applied to this Project, whether or not the WHS Reg make the application of those requirements exempt because the construction work is undertaken on a mining lease, unless otherwise expressed by the Principal Contractor. Reference to OHS Act and the WHS Reg includes all promulgated amendments at the commencement of the Project site works. Where construction is undertaken on a mining lease, the requirements of the (Project Jurisdiction) Mining Safety and Health Act and the Coal Mining Safety and Health Regulations will also apply and will be complied with.

The key relevant legislation has been identified through day-to-day operational experience and industry exposure. Any significant changes to legislation are generally well-promoted within the industry, by regulatory authorities and industry associations. It is the responsibility of the Site Safety Advisor to be aware of changes in legislation and to notify Project management and other relevant staff of those changes.

1.4 Policy

The Construction Health and Safety Management Plan provides a strategy for the effective management of all significant occupational health and safety risks associated with the Project and a systematic approach in achieving the Project Owners Health and Safety Risk Policy. A copy of this policy is to be provided by the Project Owner to all contractors, suppliers, and agents prior to approving access to the Project site.

A copy of the policy is to be displayed in a prominent position on a notice board accessible to the Principal Contractors employees and Contractors and their employees. The policy is to be detailed to all participants at site specific induction training.

1.5 Key Business Performance Indicators

Key business performance indicators for the Project are:

- Nil fatalities;
- Nil injuries or illnesses causing lost time;
- Legislative compliance; and
- Compliance with the Construction Health and Safety Management Plan.

The Construction Health and Safety Management Plan details how to achieve the key business performance indicators. Furthermore, the Construction Health and Safety Management Plan details a number of statistics that are to be collected to determine a measurement of performance. These include both lead and lag indicators.

1.6 Methodology

The critical processes detailed in the Construction Health and Safety Management Plan are defined by legislative requirements including the requirement to manage risk; guidance provided by Australian Standards pertaining to Occupational Health and Safety Management Systems and Risk Management; and a practicable approach given the context in which the Project will be undertaken – a green field site in which a majority of significant work will be sub-contracted by the Principal Contractor. Its doctrine pertaining to the control of risks generally inherent in construction work are devolved from relevant legislation; codes of practice; other material published by government and industry bodies; including relevant Australian Standards.

The Construction Health and Safety Plan contain a number of Procedures that are grouped into the following disciplines:

- Management.
- People.
- Training, Information and Communication.
- Post Incident Management.
- Managing Risk.
- Site Specific Requirements.
- Systems of Work.
- Administration.

These Procedures give substance to the Project Owners Policies.

Within the Procedures are documented the legislative components of the Construction Health and Safety Management Plan:

- A statement of responsibilities listing the names, positions and responsibilities of all persons who will have specific responsibilities on the Project for occupational health and safety;
- Details of the arrangements for ensuring compliance with the requirements for occupational health and safety induction training;
- Details of the arrangements for managing occupational health and safety incidents, including the identity of and contact details for the person or persons who will be available to prevent, prepare for, respond to and recover from occupational health and safety incidents;
- Any site safety rules and details of the arrangements for ensuring that all persons at the Project are informed of the rules; and
- Safe Work Method Statements for all work activities assessed as having safety risks.

1.7 Accessibility of the Construction Health and Safety Management Plan

The Principal Contractor will ensure that a current version of the Construction Health and Safety Management Plan is:

- Provided to a Mine Inspector, or other Statutory Agencies, where there is a legislative requirement.
- Maintained in hardcopy at a location where workers can gain access to it at any reasonable time.
- Provided to all Contractors and other work groups engaged to work on the Project, and discussed through the forum of the Contractor pre-mobilisation process.
- Selectively integrated into the site-specific induction.
- Available electronically through the Project document control system.

1.8 Work Other than Construction Work

The Principal Contractor may exempt a Contractor or others who undertake work on the Project that is not construction work from parts of the Construction Health and Safety Management Plan provided those exemptions do not compromise the health and safety of a Contractor or others; or legislative compliance. Any such exemptions and the reasons for the exemptions must be documented (see HARRADYNAMICS Standard Forms).

1.9 Interim Arrangements

The Principal Contractor may exempt a Contractor or others who undertake work on the Project, whether that work is construction work or otherwise, from parts of the Construction Health and Safety Management Plan that cannot be implemented for practical reasons in the early stages of the Project (until the Principal Contractor has a permanent presence within the Project) provided those exemptions do not compromise the health and safety of a Contractor or others; or legislative compliance. Any such exemptions and the reasons for the exemptions must be documented (see HARRADYNAMICS Standard Forms).

1.10 Document Control

Controlled documents are to contain the document title, document identification, review date and version.

Once operational, the Construction Health and Safety Management Plan is supported by a number of databases and registers, which are to be efficiently populated, identifiable, legible, and dated as required.

1.11 Compliance Generally

All persons entering the Project, whether undertaking construction work or not, must comply with the Construction Health and Safety Management Plan unless otherwise exempt by the Principal Contractor. The Construction Health and Safety Management Plan details the methods by which all persons entering the Project will be informed about its content.

Non-compliance by an individual may result in (depending on all circumstances) the following actions by the Principal Contractor:

- A direction to stop work until compliant.

- A direction to undertake training and be deemed competent in relation to that training before recommencing works (including to re-attend site specific induction training).
- The removal of the right of entry onto the Project (either temporarily or permanently).
- Contractors engaged on the Project must comply with the Construction Health and Safety Management Plan irrespective of their individual corporate policies, procedures and methodologies unless otherwise exempt by the Principal Contractor.
- Non-compliance by a Contractor with the Construction Health and Safety Management Plan (including any accepted Safe Work Method Statements) may imply contractual breach.
- Non-compliance by a Contractor may result in (depending on all circumstances) the following actions by the Principal Contractor:
 - A direction to stop work until compliant.
 - A direction to undertake training and be deemed competent in relation to that training before recommencing works (including to re-attend site specific induction training).
 - The removal of the right of entry onto the Project (either temporarily or permanently).
 - A direction to appoint a safety professional either full or part time.
 - A direction to remove specific pieces of plant from site.
 - A direction to review or amend risk assessments and Safe Work Method Statements.
 - A direction to increase the level of supervision.
 - A requirement to be subjected to additional audits within a specified timeframe.
 - A requirement to produce specific evidence of compliance to the Principal Contractor within a specified timeframe.
 - A direction of the type as detailed above may be given verbally or in writing (see HARRADYNAMICS Standard Forms). A verbal direction will be confirmed in writing.

The Principal Contractor may give a verbal or written warning as to those actions that may be taken if non-compliance continues but nothing in the Construction Health and Safety Management Plan requires the Principal Contractor to warn a person or Contractor before taking action.

Any formal counselling and/or disciplinary action taken against individuals other than that detailed in the Construction Health and Safety Management Plan resulting from non-compliance is a matter for the relevant employer.

1.12 Continual Improvement

Continual improvement shall be achieved through:

- Monitoring in the form of audit, inspection and investigation.
- Communication with stakeholders.
- Keeping abreast of 'best practice' and legislative changes; and
- Implementation of corrective and preventative actions.

A copy of the Construction Health and Safety Management Plan and any revisions of it are to be supplied to a Mine Inspector, or other Statutory Agencies, in accordance with legislative requirements. A Mine Inspector may require the document to be amended from time to time.

The authority to amend the Construction Health and Safety Management Plan on behalf of the Principal Contractor is a function of the Mine Manager.

In so far as is practicable, the people who work at the Project must be consulted regarding any amendments made to the Construction Health and Safety Management Plan.

2 HARRADYNAMICS PROCEDURES INDEX

Group	Procedure No. and Title	
Management	XXXX-04-10-01-002	Project Analysis
	XXXX-04-10-01-003	Project Structure and Responsibilities
	XXXX-04-10-01-004	Not allocated
	XXXX-04-10-01-005	Contractor Management Framework
	XXXX-04-10-01-006	Contractor's Health and Safety Management Plan
	XXXX-04-10-01-007	Project Mobilisation (Contractors)
	XXXX-04-10-01-008	Supervision
	XXXX-04-10-01-009	Project Coordination
	XXXX-04-10-01-010	Project Statistical Information
	XXXX-04-10-01-011	Audit Program
	XXXX-04-10-01-012	Workplace Inspection Program
	XXXX-04-10-01-013	Not allocated
	XXXX-04-10-01-014	Not allocated
	People	XXXX-04-10-01-015
XXXX-04-10-01-016		Fatigue Management
XXXX-04-10-01-017		Amenities
XXXX-04-10-01-018		Not allocated
XXXX-04-10-01-019		Not allocated
Instruction, Training, Information and Communication	XXXX-04-10-01-020	Instruction, Training, Information and Communication General
	XXXX-04-10-01-021	Project Induction
	XXXX-04-10-01-022	Toolbox Talks
	XXXX-04-10-01-023	Pre-shift Meetings
	XXXX-04-10-01-024	Consultation
	XXXX-04-10-01-025	Site Plan Content
	XXXX-04-10-01-026	Not allocated
	XXXX-04-10-01-027	Not allocated
	XXXX-04-10-01-028	Not allocated
	XXXX-04-10-01-029	Not allocated
Post Incident Management	XXXX-04-10-01-030	Notification of Incidents
	XXXX-04-10-01-031	First Aid
	XXXX-04-10-01-032	Action on Incident
	XXXX-04-10-01-033	Emergency Control Officer
	XXXX-04-10-01-034	Fire Protection

Group	Procedure No. and Title	
	XXXX-04-10-01-035	UHF Network
	XXXX-04-10-01-036	Investigation of Incidents
	XXXX-04-10-01-037	Injury Management
	XXXX-04-10-01-038	Not allocated
	XXXX-04-10-01-039	Not allocated
Managing Risk	XXXX-04-10-01-040	Risk Assessment
	XXXX-04-10-01-041	Analysis and Evaluation of Risk - Guide
	XXXX-04-10-01-042	Safe Work Method Statements
	XXXX-04-10-01-043	Inspection Checklist
	XXXX-04-10-01-044	Base Audit Compliance Tool
	XXXX-04-10-01-045	Not allocated
	XXXX-04-10-01-046	Not allocated
	XXXX-04-10-01-047	Not allocated
Site Specific Requirements	XXXX-04-10-01-050	Traffic Rules
	XXXX-04-10-01-051	Rules Regarding Behaviour
	XXXX-04-10-01-052	Site Access
	XXXX-04-10-01-053	Not allocated
	XXXX-04-10-01-054	Not allocated
	XXXX-04-10-01-055	Not allocated
	XXXX-04-10-01-056	Not allocated
	XXXX-04-10-01-057	Not allocated
	XXXX-04-10-01-058	Not allocated
	XXXX-04-10-01-059	Not allocated
	Systems of Work	XXXX-04-10-01-060
XXXX-04-10-01-061		Housekeeping
XXXX-04-10-01-062		Working in Hot and Cold Environments
XXXX-04-10-01-063		Energy Isolation
XXXX-04-10-01-064		Out-of-Service Procedures
XXXX-04-10-01-065		Permits to Work
XXXX-04-10-01-066		Confined Space
XXXX-04-10-01-067		Electrical Safety
XXXX-04-10-01-068		Electrical Install Work
XXXX-04-10-01-069		Excavation and Trenching
XXXX-04-10-01-070		Formwork
XXXX-04-10-01-071		Hazardous Substances
XXXX-04-10-01-072		Dangerous Goods
XXXX-04-10-01-073		Manual Handling
XXXX-04-10-01-074		Noise

Group	Procedure No. and Title	
	XXXX-04-10-01-075	Welding and Other Hot Work
	XXXX-04-10-01-076	Working at Height
	XXXX-04-10-01-077	Steel Construction
	XXXX-04-10-01-078	Ergonomics for Project Office Workers
	XXXX-04-10-01-079	Not allocated
	XXXX-04-10-01-080	Plant – General Requirements
	XXXX-04-10-01-081	Plant - Personal Protective Equipment
	XXXX-04-10-01-082	Plant - Electrical Hazard Awareness for Operators of High Machinery
	XXXX-04-10-01-083	Plant - Elevated Work Platforms
	XXXX-04-10-01-084	Plant – Concrete Pumping
	XXXX-04-10-01-085	Plant – Movement on Construction Sites
	XXXX-04-10-01-086	Plant – Drilling Rig
	XXXX-04-10-01-087	Plant – Earthmoving
	XXXX-04-10-01-088	Plant - Rules for the use of Hand tools
	XXXX-04-10-01-089	Plant - Scaffolding
	XXXX-04-10-01-090	Plant – Miscellaneous:
		Plant Used for the Drilling and Cutting of Concrete
		Gas Cylinders
		Compressed Air Generally and Compressed Air Nail Guns
		Explosive Nail Guns
		Grinders
		Plant Used for Abrasive Blasting
		Lasers
XXXX-04-10-01-091	Plant – Designed to Lift	
XXXX-04-10-01-092	Plant - Commissioning	
XXXX-04-10-01-093	Not allocated	
XXXX-04-10-01-094	Not allocated	
XXXX-04-10-01-095	Not allocated	
XXXX-04-10-01-096	Not allocated	
XXXX-04-10-01-097	Not allocated	
XXXX-04-10-01-098	Not allocated	
XXXX-04-10-01-099	Utilities	
Administration	XXXX-04-10-01-100	Forms