

Liverpool Health & Academic Precinct EHS Management Plan



Liverpool Health & Academic Precinct – Part 1

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1.0 INTRODUCTION

Lendlease Construction (Construction) Australia incorporating:

- Lendlease Construction Pty Limited;
- Lendlease Construction (Southern) Pty Limited; and
- Lendlease Construction (Qld/WA) Pty Limited.

Operates an integrated management system where the functions and requirements of environment management and work health and safety (WHS or equivalent) are integrated, Environment, Health and Safety (EHS).

Part 1 of the EHS Plan outlines the workplace specific EHS information such as project scope details, organisation chart, contact details, subplans, special conditions etc.

Part 2 of the EHS Plan outlines EHS information relevant to all workplaces and references back to the EHS Management System.

1.1 Initial Approval, Revisions and Amendments

1.1.1 Part 1

Initial Review

Part 1 of the Workplace EHS Management Plan and related management sub plans must be approved by the Construction Manager or nominated representative, and the Regional EHS Manager / Head of EHS Major Project prior to commencement of construction. This will either be documented on the plan or through project management portals.

Revisions and Amendments

The Construction Manager, or nominated representative, reviews the Workplace EHS Management Plan and related sub plans at maximum six (6) month intervals or where there is material change.

1.1.2 Part 2

This plan will be reviewed by the EHS team when there are changes to requirements or document, or at least 12 months.

On completion of revision of either Part 1 or Part 2:

- The revised workplace EHS Management Plan/sub plans must be issued to the Workplace team and relevant subcontractors and stakeholders
- LLB employees that are required to manage EHS as a key part of their roles and responsibilities must be inducted into this plan and related sub plans by signing the table in Appendix 1 of Part 1 of the Workplace EHS Management Plan

1.2 Workplace Description

The Liverpool Hospital is a Principal Group A1 tertiary referral hospital, managed by South Western Sydney Local Health District (SWSLHD). Liverpool Hospital currently has 713 inpatient beds and

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provides a wide range of tertiary and quaternary services. The redevelopment will increase the inpatient bed numbers to 900, as well as expand tertiary and quaternary services.

The Liverpool Hospital Clinical Services Plan 2031 (version 2.0 dated 26 November 2018), predicts substantial growth in service demand to 2025/26 which continues to 2030/31 due to significant population increase, major infrastructure in South Western Sydney, and the poor health status of people within the Local Government Area (LGA) and surrounding areas. These increases result in demand well beyond the hospital's present infrastructure capacities.

Main Works Stages 1 & 2 (incl Stage 3 Refurbishment)

The main works involve a staged construction approach for, up to, a 6-level Integrated Services Building (ISB) within the existing Liverpool Hospital Campus, refurbishment of existing buildings, demolition, and associated site works.

The new Integrated Service Building (ISB) includes:

- Integrated Cancer Care (ICC) services
- Women's and children's health
- Increased inpatient bed accommodation
- Ambulatory and outpatient care clinics
- Additional clinical services including medical imaging
- New non clinical services including loading dock and satellite kitchen facilities

Expansion within the existing Clinical Services Building (CSB) includes:

- Intensive care unit (ICU)
- Emergency Department (ED)
- Operating Theatres (OT)
- Interventional Radiology (IR)
- Surgical day only & surgical short stay unit
- New and refurbished non clinical services

Prior to the commencement of the new ISB component there will also be a series of enabling works required in order to prepare the proposed site and forms part of the overall main works package. This includes creation of a temporary entry to the South West Corner of the existing site and completion of the Forensic department within the existing Emergency Department.

Stage 1 – Integrated Services Building (ISB)

The ISB Stage 1 works includes:

Demolition of the Education Building (Thomas & Rachel Moore) (Constructed ~1996)

Construction of a 4 level Integrated Services Building comprising of departments and external works

Interim Staging

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There are several departments within Stage 1 ISB and Caroline Chisholm which will form part of Stage 1 and Stage 2 Completion respectively in an interim state. These interim departments will be refurbished in their final state as part of Stage 3 Completion.

Stage 2 – ISB

The ISB Stage 2 works includes:

Demolition of the Alex Grimson Building (Constructed ~1983) and Cancer, Oncology & Pathology – (Constructed ~1993 & 1995)

Construction of a 6 level Integrated Services Building comprising of departments and external works

The existing multi story carpark (excluding hardstand and foundations) will be demolished by others as part of the new MSCP package.

Stage 3 (3a, 3b, 3c) – Refurbishment

The refurbishment component of the LHAP consists of numerous upgrades, extensions and decants of new and existing departments throughout the Clinical Services Building (CSB) and Caroline Chisholm (CC) and are to be delivered progressively across each Stage. Stage 3 references are broken up as per below:

Stage 3a are refurbishment works completed within the same period of Stage 1 Works and form part of Stage 1 Handover

Stage 3b are refurbishment works completed within the same period of Stage 2 Works and form part of Stage 2 Handover

Stage 3c are all remaining Refurbishment works (inclusive of the Interim Staging) and form part of the final Handover.

A large quantity of works within Refurbishment involves the existing Emergency Department(ED) occurring in Stage 3b. The ED at Liverpool Hospital is one of the largest and busiest in the state. This project includes an expansion and refurbishment of the existing Emergency Department to meet future demand. Given the significance of this department, reliance on the continued operation and to minimise impact/ disruption to service throughout, construction of ED has been broken into 8 zones. There will be a portion of early works that occur during Stage 1 – Temporary Entrance and Forensic.

Global Minimum Requirements (GMR) which are used to assess and manage risks on all projects:

Demolition GMR 4.4 Uncontrolled release of electrical energy, 4.9 Failure of Structures, 4.10 Occupational Health Exposure

Noise GMR 4.10 Occupational Health Exposure, 4.13 Degradation or Pollution of the Environment

Dust 4.10 Occupational Health Exposure

Tower crane erection/dismantle 4.6 Crane and Hoisting Equipment

Structural steel 4.9 Failure of Structures

Occupational health exposure 4.10 Occupational Health Exposure

Excavation 4.3 Vehicle and Plant Incident 4.7 Impact from Moving Parts of Machines

Steel and concrete frame erection 4.6 Crane and Hoisting Equipment

Structural alterations 4.2 Fall of Materials 4.2.4 Structural Alterations

Major traffic changes 4.3 Vehicle and Plant Incident (Work Sites)

Erection of temporary structures 4.9 Failure of Structures (Temporary or Permanent)

Installation of stored energy systems 4.15 Uncontrolled Release of Stored Energy (non-electrical)

Working at heights 4.1 Fall of Person 4.2 Fall of Materials

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Included are the following key milestones or specific deliverables for this project:

Stage 1 (ISB)	Date
Site Possession of Stage 1 (ISB1) Zone	05/07/21
Commence Initial Setup (for early works only)	05/07/21
Commence Cut Line Hoarding Installation	21/07/21
Commence Demolition – Soft Strip to Early Access Zones	21/07/21
Commence Civil Works – Establishment of Piling Platform	12/10/21
Structure	14/02/23
Façade Fitout	14/03/23
Stage 2	Date
Site Establishment ISB2	26/03/24
Precommencement ISB 2	12/07/24
Demolition Complete	20/09/22
Structure Complete	01/07/22
Substantial Completion ISB Phase 2	20/03/26
ISB 2 Completion (Nett)	17/04/22
Stage 2 Complete ISB2	15/05/26
Stage 3a - Refurbishment	Date
Site Possession of Stage 3a Refurbishment Zone	Forensics sit within 3a
Commence Temporary Entry and Drop-Off Zone	26/7/21
Commence Forensics	17/8/21
Other	Date
Commence PMO Office Installation	12/8/21
Commence LLB Site Office Installation	13/09/21

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1.3 Roles and Responsibilities

Lendlease Construction Pty Limited is the Principal Contractor with management and control of the project and its EHS. In addition, all subcontractors, consultants, suppliers and other contractors or workers are also required to comply with their employer's EHS Management System or equivalent and related Safe Work Method Statement(s), the Construction project EHS Site/Workplace Rules, the GMRs, Workplace Delivery Code and applicable legislative requirements.

All roles detailed in the organisational chart with EHS responsibilities, must have a responsibility statement that is agreed between the person employed in that role and Construction/Line Manager.

1.4 Key Contacts

Position	Name	Contact Number	Contact Email
Project Director	Lovro Smoljo	0419 126 168	lovro.smoljo@lendlease.com
Senior Construction Manager	Daniel Puljic	0477 393 259	daniel.puljic@lendlease.com
Construction Manager	Sebastian Bartholomeusz	0437 635 696	sebastian.bartholomeusz@lendlease.com
Senior Site Manager	Damien Smith	0437 559 361	damien.smith@lendlease.com
Senior Project Engineer	Muzhda Shakeri	0428 562 917	muzhda.shakeri@lendlease.com
Senior EHS Coordinator	Daisy Marks	0409 845 126	daisy.marks@lendlease.com
Services Manager	Shafraz Ali	0400 762 293	shafraz.ali@lendlease.com
Services Manager	Michael Cain	0427 138 510	michael.cain@lendlease.com
Commercial Manager	Lloyd Edwards	0428 865 082	lloyd.edwards@lendlease.com

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1.6 Workplace Sub Plans

Management sub plans required at the workplace are identified in the Impacts & Hazards Risk Assessment. The Construction Manager or nominated person is responsible for implementing and maintaining the management sub plan(s) and their requirements.

Sub-Plan Name	Required	Reason
<u>Acid Sulphate Soil Management Sub Plan</u>	<input type="checkbox"/>	Not required
<u>Air Quality Management Sub Plan</u>	<input checked="" type="checkbox"/>	
<u>Asbestos and Hazardous Building Materials Management Sub Plan</u>	<input checked="" type="checkbox"/>	
<u>Chain of Responsibility Management Sub Plan</u>	<input checked="" type="checkbox"/>	Mandatory with all EHS MP where heavy vehicles over 4.5t GVM visit site
<u>Conservation & Habitat Management Sub Plan</u>	<input checked="" type="checkbox"/>	
<u>Contamination Management Sub Plan</u>	<input checked="" type="checkbox"/>	
<u>Crane Management Sub Plan</u>	<input checked="" type="checkbox"/>	
<u>Emergency Response Management Sub Plan</u>	<input checked="" type="checkbox"/>	Mandatory with all EHS MP
<u>Fitness for Work Fatigue Management Sub Plan</u>	<input type="checkbox"/>	Mandatory with all EHS MP where project is FIFO or scheduling will exceed 5 days on / 2 days off, or a 60-hour working week.
<u>Fitness For Work - Drugs & Alcohol Testing Management Sub Plan</u>	<input checked="" type="checkbox"/>	Mandatory with all EHS MP where D&A Testing is implemented
<u>Hazardous Chemicals (Hazardous Products, Materials Substances or Dangerous Goods) Management Sub Plan</u>	<input checked="" type="checkbox"/>	
<u>Heritage & Archaeological Management Sub Plan</u>	<input checked="" type="checkbox"/>	
<u>Noise & Vibration Management Sub Plan</u>	<input checked="" type="checkbox"/>	
<u>Occupational Health & Hygiene Management Sub Plan</u>	<input checked="" type="checkbox"/>	Mandatory where risk related to Occupational Health are ranked as Moderate or above
<u>Pandemic Management Sub Plan</u>	<input checked="" type="checkbox"/>	Mandatory until further notice for the COVID-19 Pandemic
<u>PFAS Management Sub Plan</u>	<input type="checkbox"/>	Mandatory for ground works on Defence air bases and airports
<u>Stakeholder Engagement Plan</u> (Sustainability)	<input type="checkbox"/>	
<u>Stormwater, Erosion and Sedimentation Management Sub Plan</u>	<input checked="" type="checkbox"/>	
<u>Tenancy Management Sub Plan</u>	<input type="checkbox"/>	Not required
<u>Traffic & Parking Management Sub Plan</u>	<input checked="" type="checkbox"/>	
<u>Waste Management Sub Plan</u>	<input checked="" type="checkbox"/>	Mandatory with all EHS MP.
<u>Water Resource Management Sub Plan</u>	<input type="checkbox"/>	

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1.7 Special Conditions and Requirements

- Reporting requirements in accordance with client requested monthly timeframe submission. Monthly reporting captures the month prior data.
- All works within the live operating hospital (i.e. stage 3 refurbishment works) require a disruption notice approved by the LHD prior to commencing. A 14 day approval process applies from submission for all DN applications on LHAP.
- SWLHD induction slides have been incorporated within the LHAP project induction slide pack which include hospital specific requirements for any works within the live hospital.
- Key access to refurbishment areas is managed via LL. All access requirements are coordinated in accordance with LL management with keys attained from the LL project site office.

1.8 Project Specific Initiatives

Brief Description of EHS Initiative	Expected Launch Date	Evaluation method for the initiative	Expected Evaluation Date	Related Document (e.g. plan or other)
Monthly Contractor Safety Award	August 2021	Voucher presented to contractor	Monthly	EHS Committee Minutes. Sign posted on notice board
Demolition Permit	July 2021	Completed demolition permit	Upon Use	Identified in the induction process and recommencement of subcontractors
BBQ – R U Ok Day	September 2021	BBQ	Once in Sept	Posters Builders Brief (BB) communication
Mental Health – Lendlease LHAP Team FIT Plan	August 2021	Presentation	Upon Changes	Lendlease LHAP Team FIT Plan
Trained Mental Health First Aiders (MHFA)	June 2021	Workday Learning	Upon completion	Workday Learning
Delivery Bookings - Veyor	Jan/Feb 2022	Veyor App used to book and approve deliveries	TBA – Has not been finalised	Veyor App
Site-BBQ	16-Dec-22	BBQ	N/A	Builders Briefs
Health Checks for project team	Tues 27th Sep 2022	Foundation/Life Works	Yearly	Via site communication
NAIDOC Morning tea	4 July 2022	Guest Speaker	Yearly	Via site communication

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World EHS Day	28 April 2022	Site communication	Yearly	Via site communication
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2.0 DOCUMENT VERSION CONTROL

Document Revision Status				
Date	Document Issue (in numbers)	Purpose and Summary of Amendments	Reviewed by	Approved by
16/09/2022	1	New Plan issued for use	Naomi Maughan	Dawid Sobczyk
04/11/2022	2	Updated name to Construction	Naomi Maughan	Dawid Sobczyk

2.1 Workplace Revision Status

Workplace Revision Status				
Date	Workplace revision (in numbers)	Purpose and Summary of Amendments	Reviewed by	Approved by
7-12-22	01	Plan updated with site information	Dylan Stewart	Daniel Puljic
7/05/23	02	Updated plan template from Source	Nigel Rose	Daniel Puljic
7/07/23	03	Updated project org chart	Nigel Rose	Daniel Puljic
7/11/23	04	Updated project org chart	Nigel Rose	Daniel Puljic
22/4/24	05	Updated project org chart	Daisy Marks	Daniel Puljic
24/07/24	06	Section 1.7 removed the need for masks to be worn when transiting through the hospital and update to key contacts.	Daisy Marks	Lovro Smoljo

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APPENDIX 1: PLAN SIGNATURES

Construction project/workplace employees that are required to manage environment health and safety as a key part of their roles and responsibilities at the project are to be inducted in this Plan, and its related management sub plans relevant to their role; evidenced by completing the Table below.

I acknowledge that I have read and understood Part 1 and Part 2 of the Project EHS Management Plan and its related management sub plans relevant to my role.

[illegible]

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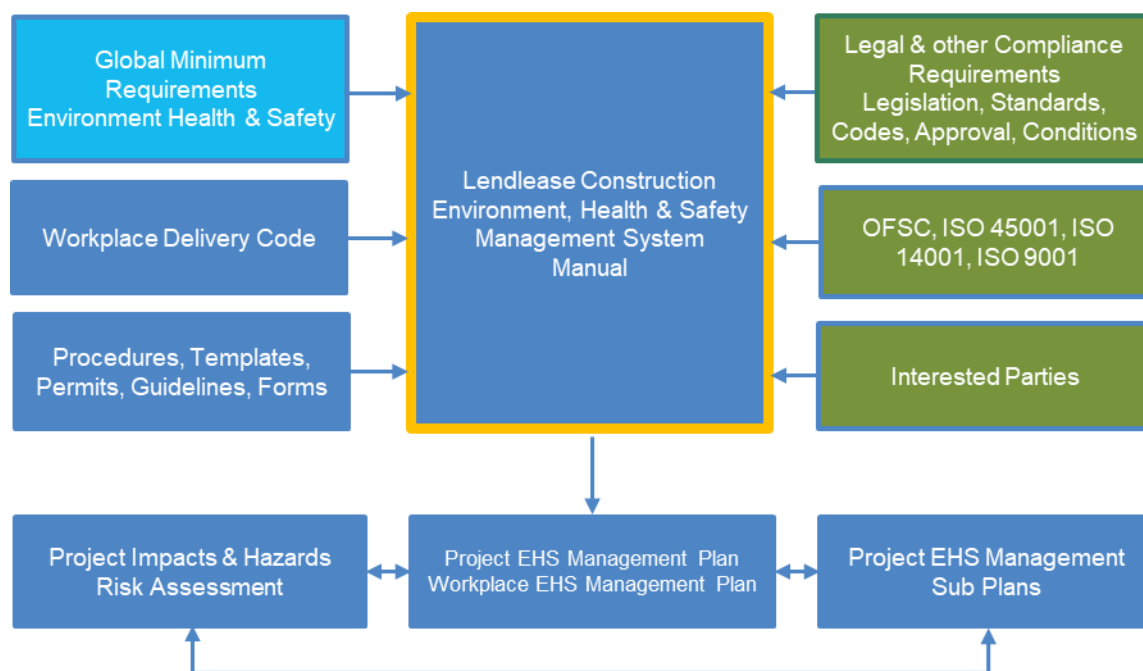
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EHS MANAGEMENT PLAN – Part 2

1.0 INTRODUCTION

Part 2 of the Workplace EHS Management Plan outlines the key EHS requirements that are common across all projects

This plan forms an integral part of the Lendlease Construction (Construction) Management System as shown below:



1.1 Definitions

Terms used in this document are defined in the Construction Definitions in the Management of EHS Procedure

2.0 VISION & POLICY

Construction is committed to its purposes 'together we create value through places where communities thrive' through workplaces that are free of incidents of injury, ill-health or environmental harm wherever we have a presence. Our vision is supported by an uncompromising culture which holds the health and safety of people and the protection of the environment as a priority in all our business reviews and decision making.

The Construction EHS Policy outlines key objectives to deliver an incident and injury free workplace. The EHS Policy and other related policies are located in Source. All policies must be clearly displayed in a prominent location(s) at Construction workplaces, including the project site/workplace office and project/workplace notice board(s) so they are accessible to all employees, subcontractors and other workers, including visitors to the project.

The policies and their objectives must be clearly communicated through the project or workplace induction to all persons working at the site. The policies are also publicly available on request to interested parties.

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2.1 Objectives and Targets

The Lendlease Australia EHS Strategy outlines the objectives and targets for the financial year. The relevant objectives and targets are cascaded to the Construction EHS implementation plan and to projects. The Construction Manager reports on progress against objectives and targets on a **six-weekly** basis in Project Reviews.

2.2 Document and Data control

EHS documents are identified and controlled in accordance with the Lendlease Construction Management System document identification and control process located on Source. The current version of EHS documents only is used at the workplace and are available from Source.

Procedures become 'uncontrolled' from the date of retrieval, downloading or printing from Source. The EHS Central Team circulates documents additions, changes or deletions by regular email revision updates.

All EHS records for this workplace are filed in accordance with the Construction Document Filing and Retention Procedure.

3.0 DESIGN RISK MANAGEMENT

Where Construction has management or control of a design function related to a building or structure, the Construction Risk & Opportunity Management Procedure is followed to review design and results are detailed within the Construction Project Risk and Opportunity Assessment Template (PROA).

The PROA documents key hazards and risks associated with the design and identifies controls to eliminate or mitigate the risk as far as is reasonably practicable, consistent with legislation and Lendlease GMRs.

3.1 Specific Design Reviews

There are specific design reviews required to ensure EHS hazards and risks are eliminated or mitigated as far as is reasonably practicable.

3.1.1 EHS in Design

All workplaces that control or influence design must complete an EHS in Design review in consultation with Integrated Solutions to consider the constructability, maintainability, serviceability, performance, and end user operability.

3.1.2 Safety in Design Compliance Report

Safety in design risks identified by external design consultants in a Safety Report, or other equivalent report, issued to respond to work health and safety or equivalent legislation requirements for safe design of buildings or structures are included in the PROA for the Project.

3.1.3 Pre- Construction Review

The Project Manager and relevant stakeholders undertake further review(s) of the design through the implementation of the Construction PROA process and review of the existing PROA for the project.

3.2 Design Risk Close Out/ Transfer

Where risks in design have not been eliminated through the PROA process, unresolved risks with a moderate or greater risk rating, the Project Manager in consultation with the Construction Manager

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and Regional EHS Manager / Head of EHS Integrated Project must ensure that these risks are transferred to the project specific Impacts & Hazards Risk Assessment.

3.3 Design Change

Design change throughout the design and construction is managed in accordance with the Construction Change Management Procedure and further evaluated during project review meetings.

Where the proposed design change (including design of temporary works) has the potential to have a significantly (moderate or above risk ranking) negative impact EH&S, the design must be reviewed to determine a more effective design solution to eliminate the risks so far as reasonably practicable.

Where this cannot be achieved the risks are included in the PROA or other related document, e.g., end user or maintenance manual to ensure effective management.

4.0 PROCUREMENT

Tendering for the provision of goods and services is undertaken in line with the requirements of the Business Rules outlined in the Procurement section of Source and is the responsibility of the Construction Manager, or nominated representative. The management of EHS in relation to procurement includes the following requirements:

4.1 Goods

Procured goods must conform with the requirements of applicable Australian Standards and be able to meet the requirements of approved codes of practice, compliance codes, product specifications, design standards and guidance notes published by the relevant government regulators or industry organisations when those goods are used, installed or commissioned for use.

4.2 Services

Procured services include the following documented activities prior to Tender Award:

4.2.1 Invitation to Tender

A standard suite of EHS information as outlined in Appendix A of the Construction Invitation to Tender is provided to each prospective tenderer at the time of tender to allow the tenderer to properly prepare their EHS documentation.

4.2.2 Subcontractor Interview Checklist

This Subcontractor Interview Checklist is completed during tender interviews for all works more than \$200,000 value to ensure that the tenderer has properly prepared their tender submission to meet Construction EHS requirements and that they understand their obligations for the management of EHS if their submission is to be successful.

4.2.3 Tender Evaluation Template

The vetting and analysis of each tender is undertaken by completing the Tender Evaluation Template to ensure that each tender submission meets the requirements of the Construction EHS MS.

Following Contract Award, the Subcontractor Works to Proceed must be completed.

4.2.4 Subcontractor Works to Proceed EHS Checklist

Prior to the subcontractor commencing on site, the subcontractor in consultation with Construction must complete the Subcontractor Works to Proceed EHS Checklist to ensure that all necessary

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documents have been received by Construction and meet requirements. If the Work to Proceed is not completed, works must not commence.

5.0 INDUCTION

5.1 Worker Induction

Before commencing work at a Lendlease construction workplace for the first time, all workers must:

- Have completed the Lendlease Part A Induction;
- Complete a project specific induction based on the Workplace Part B Induction; and
- Be onboarded on the relevant Lendlease subcontractor platform or another approved platform

Persons (other than escorted visitors) unable to demonstrate completion of General Construction Induction Training cannot be inducted nor enter the workplace to undertake construction works.

5.2 Student Induction

Students or other school/university candidates that seek temporary work experience at Construction projects are inducted to the requirements outlined above. In addition, the Construction Work Experience and Student Placement Procedure and/or Graduate EHS Placement Procedure must be implemented to ensure that risks related to a lack of experience in construction workplaces are minimised and a positive work experience outcome is achieved.

5.3 Visitor Induction

All visitors must sign the Construction workplace Site Visitor Register upon arrival and departure (including time of entry and exit) and be accompanied at all times by a person inducted into the workplace. An electronic site access platform may be used in place of the Site Visitor Register.

All visitors must wear the mandatory personal protective equipment specific to the site and must be informed of emergency response arrangements at the workplace.

Tours, previews or inspections of Construction apartments or other buildings or structures under construction by prospective buyers, lessees or other is managed in accordance with the Lendlease Construction Tours, Previews and Inspections Procedure.

6.0 TRAINING

6.1 Employees

The EHS&Q Training Matrix and Planner identifies the training requirements as outlined in the Construction EHS MS and GMRs and who is required to complete it.

The Project Team (led by the Construction Manager or nominated representative) must complete the Planner at Pre-Construction Review Meeting and endorsed by the Regional EHS Manager and Quality Manager.

The Planner must be reviewed every **three months** and where there is material change in participation with Construction project team members.

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6.1.1 Records of Training for Employees

Records of Lendlease employee training are retained and are uploaded to the Construction Learning and Development repository Workday Learning and verified by the Regional EHS team.

6.2 Subcontractors & Other Workers

The minimum training requirements for subcontractors and other workers include:

- General Industry WHS Induction (or equivalent) for the Construction Industry
- Permit to Work training for Subcontractor's supervisors who issue and manage works covered by a Permit to Works.
- Evidence of competence for mobile plant operators and quick cut / concrete saw
 - Each operator must have:
 - a copy(s) of a licence/certificate issued by a State/Territory; **OR**
 - a Statement of Attainment /Certificate issued by a Registered Training Organisation; **OR**
 - evidence of a formal verification of competence assessment against defined competency standards.
 - Certificates of competency is only valid for three years
- Relevant High Risk Work Licences
- Certificate of Competency for work activity related training
- Relevant licenses required to carry out the work. E.g. State based electrical licence

6.2.1 Records of Training for Subcontractors

Records of required qualifications, competencies and specific industry induction requirements for workers other than Lendlease employees (as required) are recorded at the time of induction.

High risk work licences and Verification of Competency obtained after a worker has commenced on site are to be provided to the nominated Construction representative as soon as possible and before operating any plant or equipment requiring a licence of verification of competency.

7.0 DELIVERY RISK MANAGEMENT

7.1 Impacts and Hazard Risk Assessment

The Construction Manager (or nominated representative) in consultation with the Site Manager, Regional EHS Manager / Head of EHS Major Project and members of the project team must complete the project Impacts & Hazards Risk Assessment (IHRA), prior to commencement of the construction stages of the project.

The completion of the IHRA:

- Is conducted in accordance with the Preparing an Impacts and Hazards Risk Assessment Procedure, which requires all key risks rated as moderate or greater specific to the project to be included in the IHRA.
- At least one engineering control or better and one mitigating control, consistent with the Hierarchy of Control and Lendlease GMR requirements must be implemented for all GMR 4 risk events and other high risk construction works.

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Note: All Impacts and hazards assessed with a risk ranking of less than moderate may not be listed in the IHRA, but are controlled using routine standards and procedures as outlined in the Construction EHS MS and standards outlined or referenced in the Construction Workplace Delivery Code.

The IHRA must include any open (unresolved) risks that require management in the construction stages of a project that were identified in design or other PROA reviews.

To ensure that the IHRA remains current it must be reviewed:

- during project coordination meetings when reviewing the **next 4-6 weeks** of activities and related GMR independent engineer reviews for acute risks; and
- at **maximum of six (6) weekly intervals** and verified through the Project Review Meetings process by the Construction Manager, or a nominated representative, to ensure currency and accuracy. The review is to include the participation of the project team (including non-managerial workers) through a combination of Project, EHS Committee, Pre-starts and Toolbox meetings with evidence of participation documented within the minutes.
- Reviewed project high risk activities are to be tabled at the EHS Committee/HSR for consultation.

7.2 Workplace Delivery Code

The Workplace Delivery Code (WDC) is a comprehensive document that provides further information on the specific standards that are required to meet the GMRs in delivery as well as legislation. The WDC must be met for all work delivered by Lendlease Construction.

7.3 Management of High Risk Construction Work and Work that Requires a High Risk Work Licence

7.3.1 Safe Work Method Statements and Review

A Safe Work Method Statement (SWMS) must be prepared for all works classified as high risk construction work or high risk work that requires a high risk work licence. All SWMS must be prepared in consultation and participation with relevant workers who undertake the works.

All SWMS must be reviewed by the Construction representative in conjunction with the Supervisors who will oversee the works using the SWMS Review Checklist.

All workers involved in the work must sign into the SWMS acknowledging their consultation, participation and training in the SWMS.

7.3.2 Pre-start Meeting/Task Briefing

All pre-start meeting/task briefing must be completed by Lendlease or Subcontractor for all high risk works or works that require a high risk licence prior to the commencement of works. The pre-start must cover critical controls, relevant SWMS and Permits to Work, responsibilities and change management. Pre-start meetings completed by Lendlease will be recorded on the Daily Prestart Record Template.

7.3.3 Permit to Work

Specific high risk work activities as defined by the GMR and the Permit to Work procedures are controlled using a permit to work system. Activities include:

- Confined Space Entry
- Hot Works

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- Excavation/Ground Penetration
- Isolation of Energised Systems
- Drill, Cut, Core
- Work Box
- Work Within a Ceiling Void
- Use of a Harness as Primary Form of Fall Prevention
- Industrial Rope Access
- Working Near Overhead Assets
- Tower Crane Erection, Alteration, Dismantle

All permit to works must be issued in accordance with the Permit to Work Procedure.

7.4 Monitoring

All high risk works must be monitored at least once per day by the Construction Supervisor.

7.4.1 Change in scope

Where a change in the scope of work is proposed and relates to high risk construction work or work that requires a high risk work licence the SWMS must be reviewed and amended where applicable to include this change before the works can proceed.

7.5 Site EHS Rules

The project team develops specific site EHS rules that are displayed on entry to the workplace and in other prominent locations.

8.0 CONSULTATION, PARTICIPATION, COMMUNICATION AND REPORTING

Consultation, participation and issue resolution is managed in accordance with the Consultation, Communication and Participation Procedure. Workers, their representatives, and businesses involved in the project will consult with each other and share relevant information to ensure EHS issues are appropriately managed.

EHS consultation arrangements agreed at this workplace are identified by the 'marked-up' Construction EHS Consultation Statement. The marked-up statement is displayed in prominent locations at the workplace by the EHS Coordinator, together with the agreed Construction EHS Issue Resolution Flow Chart specific to the project.

8.1 Toolbox Talks, Pre-start Meetings, Builders Brief and other Consultative Arrangements

Construction and their subcontractors conduct a number of consultative forums with their workers to discuss key EHS requirements.

8.1.1 Builder's Brief

Completed by Construction and provided to all subcontractors outlining the works that will be occurring on site that day. This is recorded on the Builder's Brief Form.

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8.1.2 Daily Pre-Start Meeting

Completed by Construction and Subcontractors with workers under their direct control to discuss their works for the day. Pre-start meetings conducted by Construction are recorded on the [Daily Prestart Record Template](#).

Workers must be provided with a daily pre-start briefing before they are able to commence work on site for the shift. If a worker is unable to attend the daily pre-start briefing, their supervisor must provide a briefing based on the daily pre-start before starting work.

8.1.3 Toolbox Meeting

Completed by Construction and Subcontractors with workers under their direct control to discuss specific EHS matters at the workplace. Toolbox Talks completed by Construction are recorded on the [Toolbox Meeting Template](#).

8.1.4 Other

Any other EHS related meeting must be formally documented on the [EHS Meeting Minutes Template](#).

8.2 Union Right of Entry

A holder of both a Work Health and Safety (WHS) Entry Permit Holder **AND** an Entry Permit Holder under the Fair Work Act for the specific State/Territory in which the workplace is situated may enter a workplace to consult with relevant workers on WHS matters or for the purposes of inquiry into a suspected contravention of the WHS Act or related act in other states. Details of the requirements for entry by an Entry Permit Holder are outlined in the Construction [Union Right of Entry Guideline](#) under WHS Legislation and further detailed in the [Fair Work Right of Entry Legislative Fact Sheet](#).

8.3 Display of EHS Information

To ensure all workers have the opportunity to view, discuss and take note of EHS information, the EHS Coordinator or nominated representative displays the following information (as a minimum) at a prominent location(s) at the workplace, including notice board(s):

EHS information to be displayed	
Construction Manager or nominated representative	Nearest hospital or emergency centre
First aid officer(s) – photo and contact no.	Nearest medical centre
Emergency Evacuation Diagrams (refer AS3745) displayed at required exits all levels.	After hours emergency contact name and number able to be read from outside the site boundary.
Emergency Call Poster first aid room and other emergency first response team member locations	Contact details determined by the Project Emergency Response Sub Plan
Emergency evacuation required exits each level and Emergency Evacuation Assembly Area	HAZCHEM or other signage related to the storage or hazardous substances or dangerous goods at the workplace

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<u>Lendlease Construction Environment, Health & Safety Policy</u>	<u>Lendlease Injury Management & Return to Work Policy</u>
<u>Lendlease Construction Smoke Free Policy</u>	<u>Lendlease Construction Drug and Alcohol Policy</u>
<u>Lendlease Corporation Harassment & Bullying Policy</u>	<u>Lendlease Construction Customer Complaints and Feedback Policy</u>
Construction EHS <u>Consultation Statement</u> detailing the consultation arrangements agreed at the workplace	Agreed Construction EHS Issue Resolution Flow Chart specific to the project
List and photograph(s) of Health & Safety Representative(s), EHS Committee / EHS Consultation Group members	Incident Reporting Scheme Poster (State/Territory specific) available at the <u>Injury, Care and Recovery SharePoint</u> .
<u>Site or Workplace EHS Rules Including hours of work</u>	<u>Crisis Management Escalation Protocol</u>
Amenities plan including first aid shed location	Current <u>EHS Committee / EHS Consultation Minutes</u>
Location of the Spill Kit	Current <u>EHS Alert(s)</u> applicable to the project < than 6 months old
Personal Protective Equipment requirements	Top 5 Hazards of the week
Designated smoking areas (if any)	Lendlease Injury Management <u>Workplace Injury poster</u>
Incident reporting flow chart (Commonwealth Projects)	Regulatory notices (relevant to the project) issued within the past 2 months

9.0 INCIDENT MANAGEMENT

In the event of an incident occurring, the RACE principle must be adhered to in the first instance:

- R – Remove workers from immediate danger (if safe to do so)
- A – Raise the Alarm (contact emergency services as required)
- C – Contain the incident and make area safe
- E – Evacuate if required

All incidents must be reported as soon as possible after the event in accordance with incident escalation protocols. All critical incidents (any incident that has the potential to result in permanent disablement or environmental damage having a large impact) must be entered into the online reporting platform within 48 hours and all other incidents within 24 hours. See Group Incident Management Standard.

All critical incidents must be investigated using the 8 Step Investigation process as outlined in Group EHS Critical Incident Investigation Standard. For lost time injury (LTI), medical treatment injury (MTI) and first aid injury (FAI) a factor analysis must be completed.

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10.0 EMERGENCY RESPONSE AND EVACUATION

The Construction Manager, or a nominated representative, in conjunction with other appointed Construction personnel must develop an Emergency Response Management Sub Plan (ERMSP) in accordance with the Emergency Planning and Response Procedure utilising the Emergency Response Management Sub Plan Template. The plan outlines the potential emergency and response scenarios, inspection, and testing requirements.

The ERMSP is reviewed and tested as follows:

Item	Action required & pass/fail requirement	Frequency						Record
		Weekly	Monthly	Quarterly	6 monthly	Yearly	5 yearly	
Emergency Response Management Sub Plan (ERMSP)	Check content and continued relevance to facility/workplace/site including assessment of Evacuation Assembly Area			<input checked="" type="checkbox"/>				Review maximum quarterly intervals with revision updates. Independent Audit review
Emergency Control Organisation (ECO)	ECO personnel requirements comply with the ERMSP and AS3745			<input checked="" type="checkbox"/>				Emergency Control Organisation (ECO) appointed for the project
Fire equipment	Fire extinguishers, hose reel or other. Attached compliance tags. Inspection and maintenance by service provider				<input checked="" type="checkbox"/>			EHS inspections, Register of Fire Extinguishers maintained in the workplace where 10 or more extinguishers exist.
	Fire extinguishers located at each required exit, hose reels or other. Seals intact. Charged extinguishers in place at relevant locations.				<input checked="" type="checkbox"/>			EHS inspections, <u>EHS Committee Minutes</u> . Compliance tag verification and record of inspection and testing at 6 monthly intervals displayed on the tag.
	Fire risers, hose reels and booster valves for multistorey buildings under construction greater than 12m high comply with NCC E1.9		<input checked="" type="checkbox"/>					<u>EHS Site Assessment Checklist</u>
	Pressure alarm to risers for multistorey buildings under construction greater than 12m high		<input checked="" type="checkbox"/>					Logbook maintained by service provider. Monthly pressure check or test after any riser alteration Recorded in <u>EHS Site Assessment Checklist</u> or EHS Observation Enablon.

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Item	Action required & pass/fail requirement	Frequency						Record
		Weekly	Monthly	Quarterly	6 monthly	Yearly	5 yearly	
Evacuation equipment	Emergency lighting		<input checked="" type="checkbox"/>					Logbook maintained by service provider.
Emergency Warning equipment	Emergency Warning and Intercommunication System (EWIS)		<input checked="" type="checkbox"/>					Logbook maintained by service provider. Monthly test or test after any relocation recorded in EHS Site Assessment Checklist
Emergency Warning equipment	Fire alarms (audible & visual) to welfare areas.		<input checked="" type="checkbox"/>					Logbook maintained by service provider. Monthly test or test after any relocation recorded in EHS Site Assessment Checklist
Evacuation Drill	Evacuation exercise compliance with the emergency response plan (ERMSP) and GMR				<input checked="" type="checkbox"/>			EHS Committee Minutes, Completed Construction form Emergency Event Evaluation Form or through the Enablon Inspection App
Emergency Event Drill	Emergency scenario response (taken from ERMSP Identified emergency scenarios)				<input checked="" type="checkbox"/>			EHS Committee Minutes, Completed Construction form Emergency Event Evaluation Form or through the Enablon Inspection App
Emergency Evacuation Awareness Training	All workers on site have undertaken the site induction that includes emergency evacuation awareness			<input checked="" type="checkbox"/>				Induction Records
Emergency Control Organisation and Emergency Response Team Training	Project ECO & ERT members undertake formal emergency response training – wardens and others						<input checked="" type="checkbox"/>	Training records
Evacuation Assembly area(s)	Nominated areas checked as suitable and relevant to ERMSP	<input checked="" type="checkbox"/>						EHS Inspections

10.1 Injury Management and Return to Work

All employee injuries that occur at work, or in the course of work related travel and result in time off or an inability to complete normal duties are managed in accordance with the Lendlease [Injury Management & Return To Work Policy](#) and Lendlease [Return to Work Program](#). Injury grab packs, letter to the doctor, project start-up checklists and other injury management resources can be found on the Lendlease Injury Management [intranet site](#).

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10.2 Unacceptable Behaviour

Unacceptable behaviour in the workplace includes harassment, bullying or discrimination.

Where unacceptable behaviour by a worker is observed and presents an imminent risk of serious harm to the individual worker or others the work activity must be stopped. The incident is then:

- Reported to the immediate supervisor of the works and other relevant stakeholders;
- Managed by Construction Manager in consultation with RBU Operations Manager and Regional EHS Manager.

A determination of the consequence management related to an incident and its potential outcome is carried out in consultation with worker's employer, supervisor, and Health & Safety Representative.

A non-conformity related to the observed 'at risk' behaviour must be recorded as an observation in the Enablon App and the potential outcome of the behaviour, e.g., potential serious injury, along with the management actions implemented.

11.0 MONITORING AND ASSURANCE

Monitoring and assurance activities are completed to ensure that the workplace is meeting the requirements of the Construction EHSMS, LL GMRs, legislation, related codes or standards and other compliance requirements.

The workplace is monitored and inspected as follows:

Workplace Monitoring				
Task	Type of Monitoring	Monitoring By	Frequency	Record
General work areas	Hazard / Impact Observations	Engineer	Align to Objectives and Targets	Enablon Safety App Observation completed
At risk observations with potential Large/ Very Large impact	Hazard / Impact Observation	Construction Delivery Team	As required	Enablon Safety App Observation completed
HRCW/ High Risk Work requiring a licence/ or a Permit to Work	Enablon Safety App	Construction Supervisor	Daily	Completed Construction Enablon Safety App Observation
Subcontractor work activities	Work Activity EHS Inspection	Subcontractor Supervisor	Daily	Completed Subcontractor's EHS Inspection Checklist

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Workplace Monitoring				
Task	Type of Monitoring	Monitoring By	Frequency	Record
All general work areas including plant and equipment	Weekly EHS Inspection	Site Manager; EHS Coordinator, EHS Committee/ EHS Consultation Group Weekly inspections by Construction to include Subcontractor participation for the entire inspection.	Weekly	Completed <u>EHS Weekly Site Inspection Form</u> <u>EHS Committee Minutes</u>
Plant Inspection	Inspection	Competent Person	Prior to commencing on site	Plant Inspection Checklist
All general work areas including plant and equipment	EHS Inspection	Construction Manager	Maximum Monthly intervals	Completed <u>EHS Site Assessment Checklist</u> .
Public interface areas	Hoardings/ gates or other outward facing elements.	Competent person	Daily or as determined by the IHRA.	Completed <u>Fencing Hoarding Inspection Checklist</u>
EHS Monitoring DA Conditions or other	EHS monitoring identified by the IHRA e.g. <u>noise</u> , <u>water quality</u> , <u>dust</u> or other.	Competent person	As required	Completed Construction forms or equivalent: <u>Noise Monitoring Register</u> Monitoring outlined in EHS sub-plans such as <u>Occupational Health & Hygiene</u>
Heavy Vehicle Transport Laws (Chain of Responsibility)	Random observations of heavy vehicles for packing, loading and load restraint; mass and dimension; fatigue; vehicle standards and maintenance	Engineers/ Supervisors / Leading Hands	As required, as per the COR Management Sub-Plan	Enablon Safety Observation App Any observed or recorded breach incident recorded in Enablon, e.g., load shifted during transport, or defective vehicle, or heavy vehicle recorded as overloaded at the waste facility weighbridge or road worthiness defect.

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Workplace Monitoring				
Task	Type of Monitoring	Monitoring By	Frequency	Record
Subcontractor Works	EHS&Q Subcontractor Audit	Construction Manager/ Nominated Representative	High Risk Construction Work and High Risk Work trades and/or trending of At Risk Observations related to a subcontractor's performance.	Completed Schedule of Subcontractor Audits based risk profile. Completed Construction EHS&Q Subcontractor Audit with close out actions verified. <u>Subcontractor and Consultant Audit Procedure (Quality)</u>
Independent EHS Review	Workplace EHS Audit	Regional EHS Manager	At least once per year	Enablon Workplace EHS Audit

11.1 Non-Conformities and Corrective/Preventative Action

Non-conformities and their related corrective/preventative actions raised as a result of incidents, observations and audits must be entered into Enablon and corrected within **30 days** to prevent recurrence.

Corrective and Preventative Actions must be consistent with the GMRs and hierarchy of control.

Where the results of monitoring identify risks of moderate or above then the IHRA must be reviewed to determine:

- the adequacy of the content of the risk assessment; i.e. if the hazard and risk or aspect and impact related to the non-conformity or other monitoring is included in the risk assessment; and
- the effectiveness of control measures consistent with the Hierarchy OF Control and GMR 4; for short term and long term duration; and
- the effectiveness of monitoring activities related to each moderate or above impact or hazard listed in the IHRA.

Actions identified and implemented as a result of a critical incident must be monitored to evaluate their effectiveness for **60 days**.

Regional EHS Managers or the Head of EHS Major Projects must monitor and track the closure of non-conformities and any corresponding corrective or preventative actions raised from incidents, observations and audits. Where non-conformities are not resolved (i.e., corrective/preventative actions implemented) within **30 days** they shall be elevated to the Lendlease Construction Head of EHS Lendlease Construction Australia for resolution.

11.2 Reporting

The Construction Manager or nominated representative must collate EHS performance data including progress against objectives and targets and productivity hours at monthly intervals and report information to the Head Office within seven days after the end of the month.

Project review meetings which includes EHS performance evaluation, are completed **every 6 Weeks**.

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12.0 DOCUMENT VERSION CONTROL

Document Revision Status				
Date	Document Issue (in numbers)	Purpose and Summary of Amendments	Created / Reviewed by	Approved by
16/09/2022	1.0	New Plan issued for use	Naomi Maughan	Dawid Sobczyk
04/11/2022	2.0	Update to LLB to Construction as per name change and updated objective and targets	Naomi Maughan	Dawid Sobczyk
31/03/2023	3.0	Section 11 - Workplace Monitoring & Assurance section updated to state that at risk observations with potential Large/ Very Large impact must be recorded in Enablon.	Naomi Maughan	Dawid Sobczyk
19/05/2023	4.0	Word version of the plan uploaded onto Source for projects to edit the RACI chart where required.	Naomi Maughan	Dawid Sobczyk
23/08/2023	5.0	Updated Appendix 1 to reflect FY24 objectives and targets. Updated broken links.	Alan Tran	Andrew Hereth

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Appendices

APPENDIX 1: OBJECTIVES AND TARGETS

FY24 Lendlease Construction Performance Objectives	Performance Targets	Responsibility
LEAD INDICATORS Measurement of processes, activities and conditions that define specific performance and predict future results.		
GMR 1 Assessments: All new work and investment opportunities complete a GMR 1 Assessment (OLi) prior to bid submission.	>95%	SLT
Independent Project Reviews: All new work and investment opportunities identified as requiring an Independent Project Review (IPR) for EHS risk have the review completed before construction commencement.	>95%	SLT
EHS Inductions: Completion of online EH&S Learning Modules (EH&S Passport) within 90 days of being issued	>95%	Construction Manager
Frontline Leadership Training: Maintain a consistent rate of delivery (per million hours worked) of the Lendlease frontline leaders course (E&I).	10 per 1 million hours worked	Construction Manager
Senior Leadership Visibility: Number of project visits by SLT members focused on EHS and provide projects with feedback (>4 annually per SLT member).	>4	SLT
Assurances: All operations requiring an EHS Assurance are submitted with 7 days of the assurance being undertaken.	>90%	EHS
Actions - All actions assigned to EHS observations / incidents / assurances / acute high risks are completed within the timeframe assigned.	>85%	Construction Manager
LAG INDICATORS Measurement of processes linked to the outcomes of past events that provide data on past performance.		
Critical Incident Frequency Rate (CIFR)	≤0.69	Construction Manager
Level 3 CIFR	≤0.14	Construction Manager
Lost Time Injury Frequency Rate (LTIFR)	≤2.86	Construction Manager
Zero 'corporate reportable' fatalities across the organisation	0	Construction Manager
Zero critical incidents with significant environmental impact requiring financial disclosure.	0	Construction Manager

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APPENDIX 2: EHS RESPONSIBILITY/ACCOUNTABILITY MATRIX

The EHS Responsible, Accountable, Consulted and Informed Matrix maps to the various roles in Lendlease who are involved in the completion of the task.

KEY: **R** Responsible **A** Accountable **C** Consulted **I** Informed

	Head of EHS Australia	Human Resources	Regional EHS Manager	EHS Manager Integrated Project	Project EHS Coordinator	Project Manager	Construction Manager	Project Engineer	Site Manager	Foreman/Supervisor	Subcontractor Principal	EHS Committee/ EHS Consultation Group	Construction Worker	First Aid
EHS Management System	A	-	C	I	R	I	R	I	I	-	I	-	-	I
EHS Policy	R	-	C	I	I	I	I	I	I	I	I	I	I	I
Project EHS Management Plan	-	-	A	A	C	I	R	I	I	I	I	I	I	I
PROA review	-	-	C	C	C	A/R	C	C	C	I	I	-	-	-
EHS in Design	A	-	C	C	C	A	R	-	-	-	-	-	-	-
Chain of Responsibility (Heavy Vehicle National Law)	R	-	C	C	C	R	A	R	-	-	-	-	-	-
Impacts & Hazards Risk Assessment	-	-	C	C	C	A	A/R	R	R	C	I	I	I	I
EHS Management Sub Plans	-	-	C	C	C	A	A/R	C	C	I	I	I	I	I
Legislation and Regulatory Changes	C	-	A	C	C	C	R	C	C	I	I	I	I	I
EHS Site Rules	-	-	C	C	C	-	A/R	C	C	C	I	I	I	I
Construction EHS Objectives & Targets	A	-	C	I	I	-	I	I	I	I	I	I	-	-

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	Head of EHS Australia	Human Resources	Regional EHS Manager	EHS Manager Integrated Project	Project EHS Coordinator	Project Manager	Construction Manager	Project Engineer	Site Manager	Foreman/Supervisor	Subcontractor Principal	EHS Committee/ EHS Consultation Group	Construction Worker	First Aid
Project EHS Objectives and Targets & Initiatives	-	-	A	A	C	-	A/R	C	C	I	I	I	-	-
Workplace EHS Audit	-	-	A/R	-	C	-	A	-	-	-	-	-	-	-
Organisational Chart	-	-	-	-	-	-	A/R	C	C	I	I	I	-	-
EHS Roles and Responsibilities	C	C	C	C	I	-	A/R	C	C	I	-	-	-	-
EHS&Q Training Matrix and Planner	A	-	C	C	C	I	R	I	C	I	-	-	-	-
Construction Safe Work Method Statements	-	-	-	C	C	-	I	R	A/C	C	-	-	-	-
Subcontractor Safe Work Method Statements	-	-	-	C	C	-	-	A	C	C	R	-	-	-
Worker Induction	-	-	-	C	R	-	A	-	-	-	-	-	-	-
Visitor Induction	-	-	-	C	R	R	A	R	R	R	R	-	-	-
EHS Consultation	-	-	-	C	C	-	A	I	I	I	I	R	I	-
EHS Reporting	I	-	-	C	R	-	A	-	I	-	-	-	-	-
Emergency Management	-	-	A	A	I	-	R	I	I	I	I	I	I	I
Hazardous Substances and Safety Data Sheets	-	-	-	R	R	-	A	I	I	I	I	I	I	I
Plant and Equipment	-	-	I	I	I	-	C	-	A	R	A	-	-	-
Permits to Work	-	-	-	C	C	-	-	-	A	-	R	-	-	-
Subcontractor EHS Reporting	-	-	-	-	-	-	A	R	R	R	R	-	-	-

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	Head of EHS Australia	Human Resources	Regional EHS Manager	EHS Manager Integrated Project	Project EHS Coordinator	Project Manager	Construction Manager	Project Engineer	Site Manager	Foreman/Supervisor	Subcontractor Principal	EHS Committee/ EHS Consultation Group	Construction Worker	First Aid
EHS Weekly Inspection	-	-	-	I	I	-	I	-	R	-	-	-	-	-
EHS Monthly Inspection	-	-	-	-	-	-	R	I	I	I	I	-	-	-
Committee EHS Weekly Inspection	-	-	-	C	A	-	I	-	I	-	-	R	-	-
Subcontractor EHS&Q Audit & Schedule	-	-	C	I	I	-	A	R	R	R	-	-	-	-
Non-conformities and defects	-	-	-	C	C	-	A	R	R	R	R	-	-	-
Incident notification, investigation & reporting	-	-	A	A	C	-	A	R	R	R	R	I	I	-
Toolbox meetings	-	-	-	I	C	-	A	R	R	R	R	-	-	-
Daily pre-start meetings	-	-	-	I	-	-	A	R	R	R	R	-	-	-
Display EHS Information	-	-	-	A	A	-	R	-	-	-	-	-	-	-
High Risk Construction Work/High Risk Work Licence Observations	-	-	-	-	-	-	A	-	A	R	-	-	-	-
EHS Monitoring / Calibration	-	-	A	R	R	-	A	R	R	I	-	-	-	I
Injury Management	-	-	-	I	C	-	A	R	R	R	A/R	-	-	I
EHS System Audits	A	-	A/R	A/R	R	-	C	-	C	-	-	-	-	-

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APPENDIX 3: PLANT, EQUIPMENT AND PROCESSES INSPECTION & TESTING SCHEDULE

Item	Inspection by	AS/CoP	Inspection/Records/ Other Required
Atmospheric testing and monitoring equipment.	Competent Person	AS 2865	# Prior to each Confined Space entry, #Yearly. **Calibration of equipment required
Backhoe	Competent Person	Manufacturer Manual	#(D) Daily Pre-start, #250 hrs, #2,000 hrs (2 yearly) or maintenance as per manufacturer. (M) Mobile Plant Operator
® Building Maintenance Unit	Competent Person	AS1418.13	#Operation and maintenance instruction manual; #pre-operation check; # routine inspection checklist; #maintenance inspection in accordance with manufacturer's logbook. #High Risk Work Licence #GMR Independent Engineer Design Review
Concrete Line Pump ® Concrete Boom Pump	Competent Person	AS 2550.15	#(D) Daily Pre-start, #Monthly, #0-5 Yrs every 1000hrs/ Min yearly, #5-10 Yrs every 500hrs/Min yearly, # >10 Yrs every 250hrs/Min yearly #High Risk Work Licence
Concrete / Quick Cut Saw	*Competent Person	-	#Formal Operator Training, guarding # Maintenance as per the manufacturer
Confined Space	Competent Person	AS 2865	#Entry permit retained for 1 month, #risk assessment retained for 10 years, #training records for the term of employment. Permit To Work #High Risk Work Licence
Crane—mobile<10t ® Crane—mobile>10t ® Crane – Self Erecting ® Crane – Gantry >10t	Competent Person	AS 2550 AS 1418	#(D) Daily Pre-start, #monthly, #yearly, #10 yearly. (M) Mobile Plant Operator #High Risk Work Licence
® Crane—tower	#Competent Person	AS 2550 AS 1418	#(D) Daily Pre-start, #monthly, #yearly, #10 yearly. #High Risk Work Licence #Operators must provide evidence of formal VOC assessment against defined competency standards at three yearly intervals as well as the ticket/licence. #GMR Independent Engineer Design Review
Electrical – temporary switchboards and portable electrical equipment	Licensed Electrician	AS 3000 AS 3012 AS 3760	# CONSTRUCTION <u>Electrical Equipment Inspection and Testing Procedure</u> and <u>Register</u> or equivalent
Elevating work platforms ® Boom type EWP	Competent Person	AS 2550.10	#(D) Daily Pre-start, #3 Monthly, #yearly, #10 Yearly #High Risk Work Licence #(M) Mobile plant Operator
Excavator	Competent Person	Manufacturer Manual	#(D) Daily Pre-start, #250 hrs, #2,000 hrs (2 yearly) or maintenance as per manufacturer. #(M) Mobile Plant Operator

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Item	Inspection by	AS/CoP	Inspection/Records/ Other Required
Explosive Power Tool	Competent Person	Manufacturer Manual	#(D) Daily Pre-start to the manufacturer's recommendations dismantled and examined for defects weekly, #yearly by manufacturer.
Fire Fighting Equipment	Competent Person	AS 1851	Regular inspection, #6 monthly test; #Where more than 10 extinguishers are installed, details must be kept on a register.
Fixed platforms and stairs	Competent Person	AS 1657	Routine inspection.
Forklift Truck/ Telehandler/ Manitou/ motorised (self-propelled) Pallet Trolleys/ Lift Trucks	*Competent Person	AS 2359.2	#(D) Daily Pre-start, #250 hrs, #2,000 hrs (2 yearly) or maintenance as per manufacturer. #High Risk Work Licence (M)Mobile Plant Operator #Operators must provide evidence of formal VOC assessment against defined competency standards at three yearly intervals as well any ticket/licence/ competency attained.
Formwork	Competent Person	AS 3610	#Regular inspection (Stage 1 – before concrete placement); #Pre-pour checklist; #GMR Independent Engineer Design Review #Independent Engineer's Certificate prior to a pour; #Engineered Drawings for suspended formwork; #Independent Engineer certification back propping
Front End Loader	Competent Person	Manufacturer Manual	#(D) Daily Pre-start, #250 hrs, #2,000 hrs (2 yearly) or maintenance as per manufacturer. (M)Mobile Plant Operator
Hazardous Chemicals - products, materials, or substances /Dangerous Goods	Health & Safety Precautions	<u>Safe Work Australia</u>	#Risk Assessment; #Safety Data Sheet; #Register, training. #Health Monitoring – Sch14 WHS Regulations
® Hoist (personnel and materials)	Competent Person	AS 2550.7 AS 1418	#(D) Daily Pre-start, #3 monthly, #yearly, #10 yearly. #High Risk Work Licence
Laser Level	Competent Person	AS/NZS IEC 60825.1 AS 2397	Warning Signage; **calibration record.
Ladder	Competent Person	AS 1892.5	When purchased, each time before use, regular intervals. clearly labelled, e.g., safe working load & industrial use.
® Lifts	Competent Person	AS1735.4	#Regular maintenance to manufacturer's specification #Yearly inspection and testing. #High Risk Work Licence (Hoist)

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Item	Inspection by	AS/CoP	Inspection/Records/ Other Required
Lifting Gear Flat synthetic slings Fibre Rope slings Chains	Competent Person	AS 1353.2 AS 18264 AS 3775	All gear: #Labelled, inspection prior to each use, test certificate to manufacturer's recommendations. #Lifting gear register record of monthly inspection. #Labelled, inspection prior to each use; #monthly, #12 monthly.
® Mast-climbing work platforms	Competent Person	AS 1418.16 AS 2550.16	#Pre-operation inspection before each use, #3 monthly maintenance inspection, #12 monthly full inspection/service; #major inspection 10 yearly & 5 yearly thereafter; #logbook each climbing drive unit; #logbook for checks, faults, repairs. #High Risk Work Licence #GMR Independent Engineer Design Review
Mobile Plant (All motorised self-propelled)	Competent Person		##(D) Daily Pre-start inspection and maintenance to manufacturer's requirements or Aust. Standards. ##(M) Mobile Plant Operator
Oxy/Acetylene/Flashback arresters	Competent Person	AS 4332 AS 4603 AS 4289	Regular inspection and adequate separation and storage. # Flashback arrester 12 month test #Hoses, gauges and other reticulation items 6 monthly.
Personal Protective Equipment	Competent Person	Specific to type of PPE	# Register of Supply
Piling Rig	Competent Person	AS 2550.1	##(D) Daily Pre-start, #monthly, #yearly, #10 yearly. ##(M) Mobile Plant Operator #GMR Independent Engineer Design Review of foundation.
Rope Access	Competent Person	AS 4488	Visual Inspection before each use, # 6 monthly by Competent Person. Permit To Work #High Risk Work Licence
Roof safety mesh	Competent Person	AS 4389	#Record of inspection to ensure lapped and tied to Standard.
Safety Harness	Competent Person	AS 1891.4	Visual Inspection before each use, #6 monthly by competent person. #Permit To Work #High Risk Work Licence
Safety Lines/fall arrest devices, lanyards (installation)	Competent Person	AS 1891.4	Visual Inspection before each use, #3 monthly external checks, 6 monthly inspections; #12 monthly full inspection/service. GMR Independent Engineer Design Review

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Item	Inspection by	AS/CoP	Inspection/Records/ Other Required
Safe Work Method Statement High Risk Construction Work/High Risk Work requiring a licence	Competent Person	N/A	# Record of review by Competent Person # Training or Toolbox Talk Record. # Monitoring by principal contractor and subcontractor to ensure compliance. #Daily Observation by Lendlease Supervisor
® Scaffolding	Competent Person	AS 1576 AS 4576	#Drawing/Elevations; #Handover Certificate, #monthly inspection, Scafftag #GMR Independent Engineer Design Review
Scissor Lift/Boom lift	Competent Person	AS 2550.10	##(D) Daily Pre-start, #3 Monthly, #yearly, #10 Yearly. # (M)Mobile Plant Operator
Skid steer Loader (Bobcat)	Competent Person	Manufacturer Manual	##(D) Daily Pre-start, #250 hrs, #2,000 hrs (2 yearly) or maintenance as per manufacturer. # (M)Mobile Plant Operator
Swinging Stage	Competent Person	AS 1576 AS 4576	#Handover Certificate, #daily pre-start; #monthly inspection. #High Risk Work Licence #GMR Independent Engineer Design Review
Traffic Control	Competent Person	AS 1742.3	#Traffic Management Plan (Approved) # High Risk Work Licence
® Work Box	Competent Person	AS 1418.17	# Visual Inspection before each use Construction and welding inspection & load & stability test. #Yearly re-certification. See 'Lifting Gear'

Key:

® Means items of plant or equipment, which require registration of their design and/or the specific item of plant itself. Plant which requires 'item' registration, i.e., for the specific piece of plant which arrives at a construction project typically; includes: concrete pumps (boom type); mobile cranes > 10 tonnes SWL; tower cranes; air compressors, building maintenance units and boom type elevated work platforms.

Note: As of 1 July 2014 Victoria removed the legislative requirement for 'item' registration of specific high risk plant. Design registration of specific high risk plant is still required as denoted by ®

(#) Means records required.

(D) Means Daily prestart inspection required

** Means calibration of EHS measuring and testing equipment is required in accordance with the requirements of the Construction Calibration of Equipment for EHS Monitoring Procedure.

(M) **Mobile Plant Operator** means the Operator is required to evidence either i) a licence/certificate issued by a State/Territory; **OR** a Statement of Attainment /Certificate issued by a Registered Training Organisation; **OR** evidence of a formal Verification of Competency assessment against defined competency standards.

Note: See Tower Cranes and Forklift/Mobile Lift Trucks. In addition to any Licence/Ticket held by the Operator, the Operator must undertake additional **Verification of Competency requirements at maximum 3 yearly intervals** from the date of issue of their current qualification.

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APPENDIX 4: KEY ENVIRONMENT AND WHS LEGISLATION

The construction works are to be conducted in accordance with all relevant state legislation including, but not limited to, the legislation listed below, identified in the completed project Impacts & Hazards Risk Assessment and that nominated in specific environment/WHS/OHS (VIC) implementation sub-plans, SWMS and other EHS documentation as required.

State/Region	Principal Legislation	Authority	Internet Address
Commonwealth	Work Health and Safety Act 2011	Comcare	https://www.comcare.gov.au/
	Work Health and Safety Regulations 2011	Federal Safety Commissioner	www.fsc.gov.au
	Environment Protection and Biodiversity Conservation Act 1999	Department of the Environment	https://www.environment.gov.au/epbc
	National Greenhouse and Energy Reporting Act 2007	Clean Energy Regulator National	http://www.cleanenergyregulator.gov.au/NGER
	Chain of Responsibility Heavy Vehicle Transport Laws 2014	National Heavy Vehicle Regulator	Heavy Vehicle Regulator
Aust. Capital Territory	Work Health and Safety Act 2011	WorkSafe ACT	www.worksafe.act.gov.au/
	Work Health and Safety Regulations 2011		
	Environment Protection Act 1997	Environment ACT	www.environment.act.gov.au
New South Wales	Heavy Vehicle National Law (ACT) Act 2013	National Heavy Vehicle Regulator	Heavy Vehicle Regulator
	Heavy Vehicle National Law (ACT) (Transitional Provisions) Regulation 2014		
	Work Health and Safety Act 2011	SafeWork NSW	http://www.safework.nsw.gov.au/
	Work Health and Safety Regulation 2017		
	Protection of the Environment Operations Act 1997	Office of Environment & Heritage	http://www.environment.nsw.gov.au/
	Environmental Planning and Assessment Act 1979		
	Heavy Vehicle (Adoption of National Law) Act 2013	Heavy Vehicle Regulator	Heavy Vehicle Regulator
	Heavy Vehicle (Adoption of National Law) Regulation 2013		
	Protection of the Environment Operations Act 1997	NSW EPA	https://www.epa.nsw.gov.au/

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State/Region	Principal Legislation	Authority	Internet Address
	POEO (Penalty Notices) Regulation 2004 POEO (Clean Air) Regulation 2010 POEO (Waste) Regulation 2014 Waste Avoidance and Resource Recovery Act 2001 Protection of the Environment Administration Act 1991 and Regulation 2012		
	Water Management Act 2000 Water Act 1912 Environmental Planning and Assessment Act 1979	NSW Department of Planning, Industry and Environment	https://www.dpie.nsw.gov.au/
Northern Territory	Work Health and Safety (National Uniform Legislation) Act 2011 Work Health and Safety (National Uniform Legislation) Regulation 2011	WorkSafe NT	http://www.worksafe.nt.gov.au/
	Environmental Assessment Act 1979 Environmental Offences and Penalties Act 1996	NT Environment Protection Authority	www.ntepa.nt.gov.au
Queensland	Work Health and Safety Act 2011 Work Health & Safety and Other Legislation Amendment Act 2015. Work Health & Safety and Other Legislation Amendment Act 2017 Work Health and Safety Regulation 2011	Department of Justice and Attorney-General	https://www.worksafe.qld.gov.au/
	Environmental Protection Act 1994 Environmental Protection Regulation 2008	Department of Environment and Heritage Protection	https://www.ehp.qld.gov.au/
	Heavy Vehicle National Law Act 2012 (Qld) Heavy Vehicle National Law Regulation 2014	Heavy Vehicle Regulator	Heavy Vehicle Regulator
South Australia	Work Health and Safety Act 2012 Work Health and Safety Regulations 2012	SafeWork SA	www.safework.sa.gov.au/
	Environment Protection Act 1993	Environment Protection Authority	http://www.epa.sa.gov.au
	Heavy Vehicle National Law (South Australia) Act 2013	Heavy Vehicle Regulator	Heavy Vehicle Regulator

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State/Region	Principal Legislation	Authority	Internet Address
	Heavy Vehicle National Law (South Australia) (Expiation Fees) Regulations 2013 Heavy Vehicle National Law (South Australia) (Fees) Regulation 2013		
Tasmania	Work Health and Safety Act 2012 Work Health and Safety Regulations 2012	WorkSafe Tas	http://www.worksafe.tas.gov.au/
	Environmental Management and Pollution Control Act 1994	Environment Protection Authority	www.dpiw.tas.gov.au
	Heavy Vehicle National Law (Tasmania) Act Heavy Vehicle National Law (Tasmania) Regulations 2014	Heavy Vehicle Regulator	Heavy Vehicle Regulator
Victoria	Occupational Health and Safety Act 2004 Occupational Health and Safety Regulations 2017	WorkSafe	www.worksafe.vic.gov.au
	Environment Protection Act 2017 Environment Protection Regulation 2021 Environment Protection Amendment Bill 2018	Environment Protection Authority	www.epa.vic.gov.au/
	Heavy Vehicle National Law Application Act 2013 Heavy Vehicle National Law Application (Infringements) Regulations 2013	Heavy Vehicle Regulator	www.esv.vic.gov.au/
Western Australia	Work Health and Safety Act 2020 Work Health and Safety (General) Regulations 2022	WorkSafe WA	https://www.dmirs.wa.gov.au/
	Environmental Protection Act 1986	Environment Protection Authority	www.epa.wa.gov.au
	Road Traffic (Vehicles) Act 2012 Road Traffic (Vehicles) Regulations 2014)	Main Roads WA	https://www.mainroads.wa.gov.au/