

CONSTRUCTION EMERGENCY RESPONSE PLAN

Moorebank Precinct West Stage 2 and Moorebank Precinct
West Stage 3

29 June 2021

MOOREBANK PRECINCT WEST

Construction Emergency Response Plan

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Version Approver

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I

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REVISIONS

Revision	Date	Description	Prepared by	Approved by
A	10/09/2019	First draft for client review		
B	24/09/2019	Issued for ER review		
C	18/10/2019	Updated to address ER comments		
D	20/02/2020	Updated to address ER comments and Final CoCs		
E	07/04/2020	Updated to address ER comments		
F	22/02/2021	Updated to reflect annual review		
G	17/03/2021	Updated to reflect MOD 1 changes		
H	15/06/2021	Updated to meet SSD-10431 for MPW Stage 3 CoC B23		
I	23/06/2021	Updated to address ER comments		

Context

This Emergency Response Plan (ERP) is for construction activities being undertaken at the Moorebank Precinct West (MPW) site, in Moorebank, New South Wales under the MPW Stage 2 (SSD 7709) development consent and the MPW Stage 3 (SSD 10431) development consent.

This ERP has been prepared in accordance with condition of consent (CoC) B194 of the MPW Stage 2 (SSD 7709) development consent prior to the commencement of construction of the MPW Stage 2 Project. It has been provided to the Department of Planning, Industry and Environment (DPIE) for information.

The MPW Stage 3 (SSD 10431) development consent was issued by the Independent Planning Commission on 11 May 2021 and CoC B23 of that development consent requires the preparation of a Flood Emergency Response Sub-Plan (FERSP) for the project for approval by the Planning Secretary. CoC B19 of the MPW Stage 3 (SSD 10431) development consent allows for the expansion of the existing MPW Stage 2 CEMP of sub-plans to cover the MPW Stage 3 development. This ERP has, therefore, been expanded to satisfy the requirements of CoC B23 in relation to preparation of a FERSP for MPW Stage 3.

The ERP has been prepared accordingly and satisfies the requirements of CoC B194 of the MPW Stage 2 (SSD 7709) development consent and CoC B23 of the MPW Stage 3 (SSD 10431) development consent.

ACRONYMS AND DEFINITIONS

Acronym / Terms	Meaning
ABC	Australian Broadcasting Corporation
AEP	Annual Exceedance Probability
AHD	Australian Height Datum
AIDR	Australian Disaster Resilience Handbook 7 Managing the Foodpanda: A Guide to Best Practice in Food Risk Management in Australia (2007)
APZs	Asset Protection Zones
ARI	Average recurrence interval
BMP	Bushfire Management Plan
BoM	Bureau of Meteorology
CBMP	Moorebank Precinct East Stage 2 Construction Bushfire Management Plan
CEMP	Construction Environmental Management Plan
CoA	Conditions of Approvals detailed in the EPBC Act Approval EPBC 2011/6086
CoC	Conditions of Consent as detailed in the EP&A Act Development Consent SSD 7099
Construction area / footprint	Extent of construction works, namely areas to be disturbed during the construction of the Project, as defined in the MPW S2 RfS
Contractor's CLM	Contractor's Community Liaison Manager
Contractor's CM	Contractor's Construction Manager
Contractor's EM	Contractor's Environmental Manager
Contractor's PM	Contractor's Project Manager
DAWE	Department of Agriculture, Water and the Environment
DIPNR	Department of Infrastructure Planning and Natural Resources
DotEE	Department of the Environment and Energy merged with a number of functions of the Department of Agriculture (February 2020) to form the Department of Agriculture, Water and the Environment (DAWE)
DJLU	Defence Joint Logistics Unit
DPIE	Department of Planning, Industry & Environment
DRSABCD	The DRSABCD Act on Patents is a valuable tool in assessing whether a patent has any life-threatening injuries and immediate first aid is necessary, using the following steps: D anger – ensure the area is safe for yourself, others and the patent R esponse – Check for a response S end – send for help, call 000 if needed A rway – check for obstructions to a way B reathing – check if patent is breathing C PR – commence CPR if necessary D efibrillation – source and apply defibrillation if available
ECO	Emergency Control Organisation
EIS	Environmental Impact Statement
EPA	Environment Protection Authority
EPC	Emergency Planning Committee

Acronym / Terms	Meaning
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>
EPBC Act	<i>Environment Protection and Biodiversity Conservation Act 1999</i>
EPL	Environment Protection Licence
ERP	Emergency Response Plan
ERT	Emergency Response Team
Facility	A building structure or workplace that is or may be occupied by people (occupants)
FCMMs	Final Completion of Mitigation Measures. These are the management and mitigation measures (2 November 2018) included in Appendix 2 of the SSD 7709 Consent.
FERP	Food Emergency Response Plan
ESIC	Emergency Services Incident Controller
LGA	Local Government Area
Major (Critical) Incident	means an incident that: <ul style="list-style-type: none"> (a) causes death or permanent injury to a person; (b) incident requiring emergency medical response; (c) causes significant property damage; (d) is likely to give rise to public comment; (e) is likely to result in legal proceedings against the Construction Contractor or other stakeholders; (f) is a near miss with the potential to cause any of the above; and (g) an environmental incident resulting in medium to long term harm to the environment.
Material Harm (to the environment)	has the meaning assigned in section 147 of the <i>Protection of the Environment Operations Act 1997</i> (POEO Act)
Minor (Non-Critical) Incident	means an incident that results in: <ul style="list-style-type: none"> (a) First Aid/Medical Treatment Injuries; (b) minor property damage; (c) a near miss with limited consequences; and (d) an environmental incident resulting in short term or possible harm to the environment.
MOD 1	Modification 1 to SSD 7709 approved on 24 December 2020.
Moorebank Logistics Park (MLP)	Refers to the whole Moorebank intermodal precinct, i.e. Moorebank Precinct East (MPE) and the Moorebank Precinct West (MPW)
MPE	Moorebank Precinct East
MPE Site	Including the former DSNDC site and the land owned by SIMTA which is subject to the MPE Concept Plan Approval (Lot 1 DP1048263). The MPE Site does not include the rail corridor, which relates to the land on which the rail link is to be constructed.
MPW	Moorebank Precinct West
MPW Concept Approval	MPW Concept Approval (SSD 5066), granted by (the now) DPIE on 29 September 2014 for the development of an intermodal terminal facility including; a rail link connecting the site to the Southern Sydney Freight Line, an intermodal terminal, warehousing and distribution facilities and a freight village.
MPW Concept EPBC Act Approval	Commonwealth Approval (No. 2011/6086) granted in September 2016 under the <i>Environment Protection and Biodiversity Conservation Act 1999</i> , for the impact of the MPW Project on listed threatened species and communities (sections 18 and 18A of the EPBC Act) and Commonwealth act on (sections 28 of the EPBC Act).
MPW Stage 2 Project	The MPW Stage 2 Project involves the construction and operation of a multi-purpose IMT facility, rail link connection, warehousing and upgraded Moorebank Avenue intersection as

	described in Section 4.1 of the MPW Stage 2 EIS, and as approved under SSD 7709.
MPW Stage 3 Project	The MPW Stage 3 Project involves the progressive subdivision of the MPW site into nine allotments, importation of unconsolidated clean fill for compact on up to final and level and structural fill for warehouse pad completion, establishment of a temporary works compound area in the southern portion of the MPW site, and ancillary development, as approved under SSD 10431.
MPW Stage 2 EIS	The Environmental Impact Statement prepared to support the application for approval of MPW Stage 2 under the <i>Environmental Planning and Assessment Act 1979</i> .
MPW Stage 2 RtS	Moorebank Precinct West Stage 2 Proposal – Response to Submissions Report (July 2017), prepared in response to the submissions received regarding the MPW Stage 2 Proposal.
OEH	Office of Environment and Heritage
OEMP	Operations Environmental Management Plan
OSD	On-site Detention
PMF	Probable maximum flood
PEEP	Personnel Emergency Evacuation Plan
POEO Act	<i>Protection of the Environment Operations Act 1997</i>
PIRMP	Pollution Incident Response Management Plan
Project site / Project footprint	The subject of the MPW Stage 2 EIS, the part of the MPW site which includes all areas to be disturbed by the Project (including the operation area and construction area). The areas subject to the MPW Stage 3 approvals within the MPW Stage 2 footprint.
Principal Representative	The Project Management Team and Environmental Specialists
Project Management Team	Includes, as a minimum, the Principal Representative Project Manager, Construction Manager, and Environmental Manager. Additional parties may be included where deemed relevant.
RCMMs	Revised Comparison of Mitigation Measures. These are the management and mitigation measures presented in the MPW Stage 2 RtS (July 2017). The RCMM were superseded by the FCMM.
REMMs	Revised Environmental Management Measures. These are the management and mitigation measures presented in the MPW Concept Plan (SSD 5066) Supplementary RtS (August 2017).
RtS	Response to Submissions report
SCRIM	SCRIM Safety First is an Occupational Health and Safety Management Software
SDS	Safety Data Sheets
Secretary	Secretary of Department of Planning, Industry and Environment
SHEMS	Safety Health Environment Management System
SIMTA	Sydney Intermodal Terminal Alliance
SIOMP	Stormwater Infrastructure Operations Management Plan
SSD	State significant development
Traffic Controllers	Only trained and accredited traffic controller personnel will be used for traffic control works, as defined in the Operational Traffic and Access Management Plan
Warehouse JN	The warehouse known as Warehouse JN, defined as Warehouse 6 in the patented Precinct Modification Plan – Proposed (Drawing No JR-SK-A-0-9402, Revision G), prepared by Be Architects and dated 16 October 2020)
Warehouse JR	The warehouse known as Warehouse JR, defined as Warehouse 5 in the patented Precinct Modification Plan – Proposed (Drawing No JR-SK-A-0-9402, Revision G), prepared by Be Architects and dated 16 October 2020)

WHS	Workp ace Hea th and Safety
WMS	Work Method Statement
WOEMP	Warehouse Occupat on Env ronmenta Management P an
WSUD	Water Sens t ve Urban Des gn

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1 SITE DETAILS AND SUMMARY

Site Details

- Moorebank Precinct West construction site (inclusive of the MPE Stage 2 and MPW Stage 3 construction footprints)
- Site address: 400 Moorebank Ave, Moorebank NSW 2170
- The Moorebank Precinct West Site is located approximately 800 m south of the intersection of Moorebank Avenue and the M5 Motorway
- Cross Street: Anzac Road (to the east) and Bapaume Road (to the West).

Key Contacts

Function	Contact details
Georgiou Construction Manager	[Redacted]
BMD Environmental Manager	[Redacted]
Wardens Chief Warden – White helmet Warden – Red helmet	[Redacted] (Georgiou) [Redacted] [Redacted] (Knight Frank) [Redacted]
BMD Safety Manager	[Redacted]
Community Relations Manager	[Redacted]
BMD Senior Project Manager	[Redacted]
BMD Project Manager	[Redacted]

Fire System Summary

Refer to Evacuation Diagram in Appendix G which identifies the location of fire hydrants, emergency exits and the location of the Assembly Area in association with the Georgiou Compound.

Emergency Contacts

Service	Authority	Contact Number
Local Emergency Operations Controller (LEOCON)	Emergency	000
	Local	Knight Frank [Redacted]
Fire Brigade	Emergency	000

Service	Authority	Contact Number
Ambulance	Emergency	000
Liverpool Police Station	Emergency	02 9821 8444
State Emergency Service (SES)	Emergency	13 25 00
Liverpool Hospital Cnr Elizabeth and Gough Streets Liverpool NSW 2170	Local	02 8738 3000
Local Medical Centre Elizabeth Drive Medical Centre, 177 Elizabeth Drive, Liverpool	Local	02 9600 7778
NSW Fire and Rescue	Local	1300 729 579
NSW Rural Fire Service Cnr Abernethy Street and Townson Avenue, Minto NSW 2566	Local	1800 679 737 02 9603 7077
RMS Traffic Incident Reporting	Local	13 17 00
Sydney Trains Safety Incident and Injury	Local	1800 772 779
Sydney Trains Rail Management Centre	Local	02 9379 1743
OEH Pollution Hotline	Emergency	13 15 55 02 9995 5555 (calling from outside NSW)
Poisons Information	Poisons Information	13 11 26
Liverpool City Council Ground Floor, 33 Moore St, Liverpool NSW 2170	Customer Contact Centre	1300 36 2170
Safe Work NSW	National Relay Service (NRS) for hearing and speech impaired customers	133 677
	Customer Contact Number	13 10 50
Qube Hotline number	National Relay Service (NRS) for hearing and speech impaired customers	133 677
	Electron Consulting	1800 986 465
MLP West Area Manager	Georgina	0439 090 435
BMD Environmental Manager	BMD	0437 359 342
Emergency Control Org.	Refer to staff notice boards	
MLP Precinct Security	Nepean Regional Security	0419 951 585
Neighbouring Facilities	General Waste Services (GWS)	0408 531 476
	ABB	1800 222 435
	DJLU	[TBA]
	Goodman Building Manager	9230 7378 & 0400 668 290

The full contact details of all Emergency Control Organisation (ECO) members will be available on the staff notice boards and will be highlighted to all operational staff, tenants, contractors and visitors during staff training and/ or site inductions.

2 OVERVIEW

2.1 Purpose and Scope

This Emergency Response Plan (ERP) identifies the emergency response and management measures that will be applied to emergencies that may arise from construction activities undertaken across the Moorebank Precinct West Stage 2 Project (SSD 7709 and Modification 1 (MOD1)) and Moorebank Precinct West Stage 3 Project (SSD-10431) site, and also for emergencies that may originate externally to the site such as bushfire or flood.

This ERP has been prepared in accordance with the *Australian Standard 3745-2010 Planning for Emergencies in Facilities* and has been prepared to enable a quick and decisive response to potential or actual emergencies, which could threaten the safety of staff, contractors, subcontractors and visitors, impact or pollute the surrounding environment, cause damage to plant and equipment, or significantly disrupt construction activities within the MPW Stage 2 and 3 Site.

The most recent, approved version of this plan will be implemented to manage the emergency response during construction activities across the Project site (being the area subject to the MPW Stage 2 approval (SSD 7709) and the MPW Stage 3 approval (SSD 10431).

The Emergency Planning Committee (EPC) and the Emergency Control Organisation (ECO) defined in this ERP constitute the emergency management team responsible for addressing emergencies across the Project site.

Further to the above, this ERP addresses the relevant requirements of the Project Approvals, including the Environmental Impact Statement (EIS), Response to Submissions (RtS) and Minister's Conditions of Consent (CoC), and all applicable guidelines and standards specific to emergency situations during construction activities on the MPW Site. Refer to Appendix A for detail on how this ERP addresses the relevant conditions of consent.

2.1.1 Objectives and Targets

Table 2-1 below outlines the objectives and targets of this ERP and specifies the outstanding actions required to implement this plan.

Table 2-1 Emergency Response Plan Objectives and Targets

Objective	Target	Timeframe	Accountability
Establish and implement an Emergency Response Plan (ERP) for the MPW Construction site in accordance with <i>Australian Standard 3745-2010 Planning for Emergencies in Facilities</i>	Construct on Contractor to establish an Emergency Planning Committee (EPC) in accordance with Section 6 of this <u>primary ERP.</u>	Prior to construction	Contractor's PM
	Review the emergency identified in Section 3 of this ERP and include additional emergency scenarios where <u>appropriate.</u>	Prior to construction	Emergency Planning Committee
	Review the emergency response procedures identified in Section 4 of this ERP and revise and amend these procedures where <u>appropriate.</u>	Prior to construction	Emergency Planning Committee

Review the responsibilities of the EPC (as per Section 6.1) and delegate roles to ensure a responsibilities are met.

Proposed Construction Emergency Planning Committee

Objective	Target	Timeframe	Accountability
	Delegate accountability to independent third parties to appropriate persons where appropriate.	Prior to construction	Contractor's PM or Emergency Planning Committee
Establish an Emergency Control Organisation (ECO) to implement the ERP	Appoint an ECO in accordance with Section 6.1.2 and Section 7 of this ERP.	Prior to construction	Emergency Planning Committee
Implement procedures to provide occupants with training in the relevant emergency response procedures	Make training available to all workers, EPC members and ECO members as detailed in Section 8 of this ERP.	During construction and as new workers commence on site	Emergency Planning Committee Emergency Control Organisation
	Develop and refine effective training protocols in accordance with Section 8 and update Section 8 as required.	Prior to and during construction	Emergency Planning Committee Emergency Control Organisation
	Conduct emergency response exercises in accordance with Section 9 of this ERP	Ongoing	Emergency Control Organisation
Periodically review and update the implemented ERP as required	The ERP is updated in accordance with section 10 of this ERP	Ongoing	Emergency Planning Committee

2.2 The MPW Site

The Moorebank Logistics Park (MLP) is divided into an East Precinct and a West Precinct, located east and west of Moorebank Avenue, respectively. Parts of the MLP East Precinct are operational and managed under an Operation Environmental Management Plan (OEMP), while other areas of MLP East and the MLP West Precinct are currently under construction (refer Figure 2-1 and 2-2 for MPW Site location and Figure 2-3 for the MPW Stage 3 site layout). The construction area, including indicative site compound locations, stockpiles, and site access points are mapped in Figure 2-2 and constitute the Project site.

2.2.1 MPW Stage 2 Project

The MPW Stage 2 Project (SSD 7709) has been assessed by the Department of Planning, Industry and Environment (DPIE) under Part 4.7 of the *Environmental Planning and Assessment Act 1979* (EP&A Act). The Planning Assessment Commission granted approval for the MPW Stage 2 Project on 11 November 2019.

The MPW Stage 2 Project, including its potential impacts, consultation and proposed mitigation and management, is documented in the following:

- SSD 7709 development consent as modified by SSD 7709 Modification 1 (24 December, 2020)
- Moorebank Precinct West – Stage 2 – Environment Impact Statement (Arcadis Australia Pacific Pty Limited, October 2016)
- Moorebank Precinct West – Stage 2 – Response to Submissions (Arcadis Australia Pacific Pty Limited, July 2017)
- *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) Approval (No. 2011/6086) granted on 27 September 2016).

MPW Stage 2 Construction Emergency Response Plan

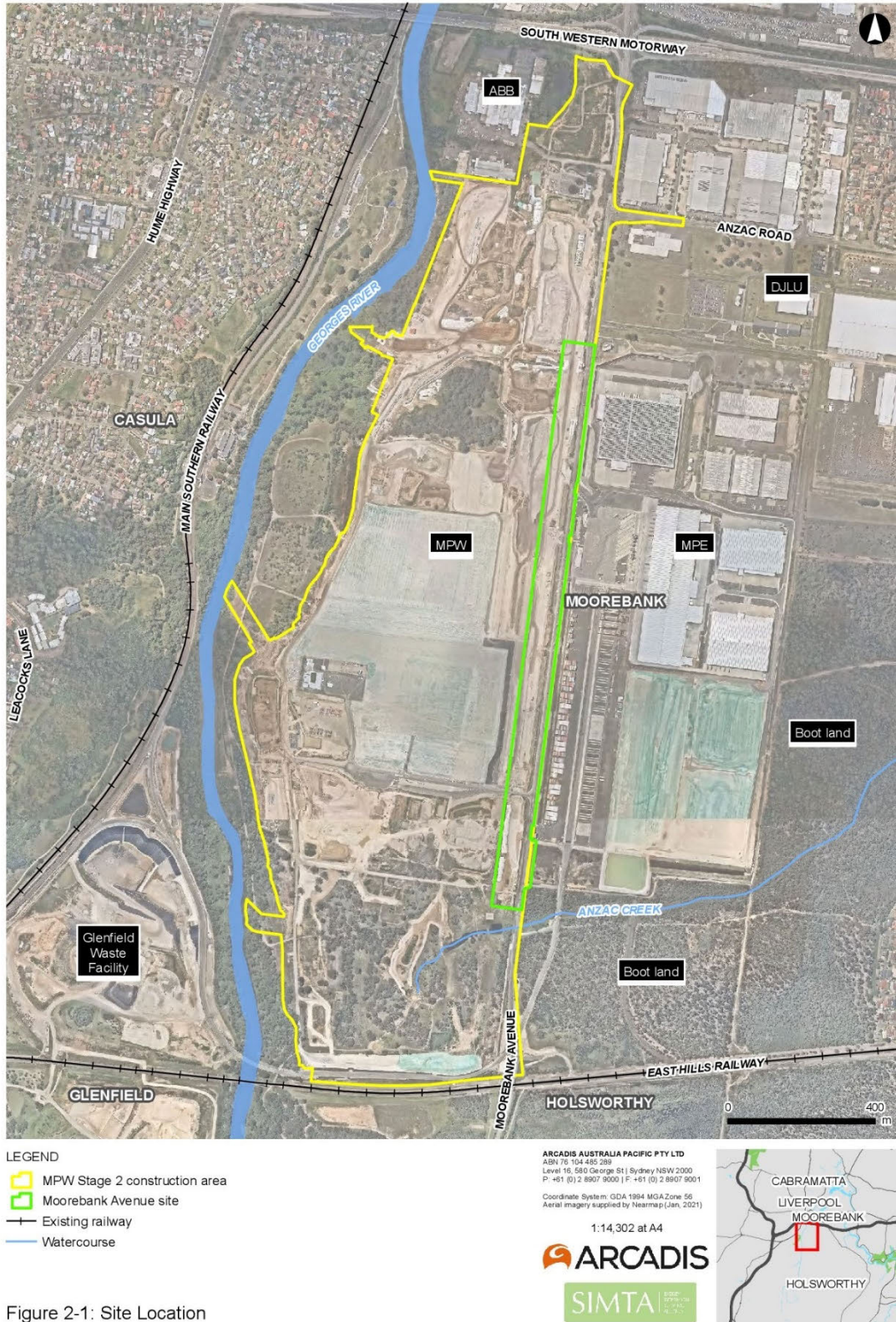


Figure 2-1 Site location

MPW Stage 2 Construction Emergency Response Plan



LEGEND

- | | | |
|-------------------------------|----------------|---------------------------------|
| MPW Stage 2 construction area | JN compound | Future construction site access |
| Main compound | JN laydown | Construction site access |
| Additional compound | JR compound | Satellite construction compound |
| MAUW compound | JR laydown | |
| | Access road | |
| | APZ (26m wide) | |

ARCADIS AUSTRALIA PACIFIC PTY LTD
 ABN 76 164 450 289
 Level 16, 580 George St | Sydney NSW 2000
 P +61 (0) 2 8907 9000 | F +61 (0) 2 8907 9001
 Coordinate System: GDA 1984 MGA Zone 56
 Aerial imagery supplied by Nearmap (Jan, 2021)

1:15,000 at A4

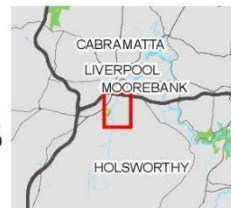


Figure 2-2: Indicative construction compounds and site access

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 Created by: GQ Updated by: EM QA by: KP

Figure 2-2 MPW Stage 2 indicative construction compounds and site access

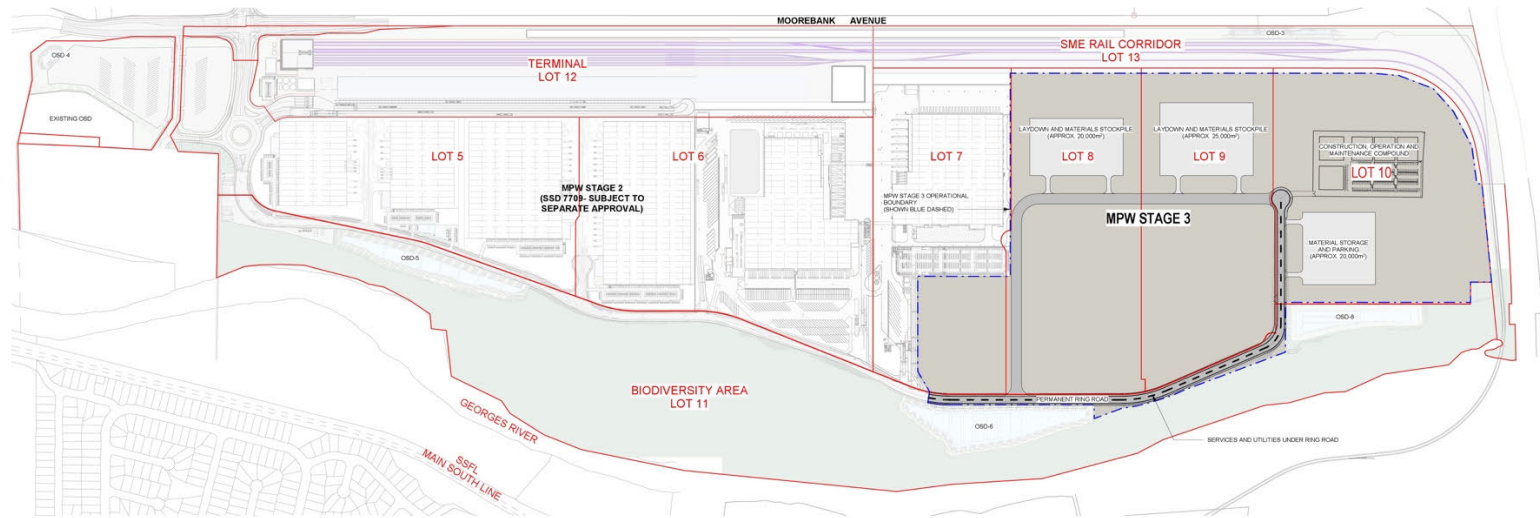
2.2.2 MPW Stage 3 Project

The MPW Stage 3 Project (SSD 10431) has been assessed by DPIE under Part 4.7 of the *Environmental Planning and Assessment Act 1979* (EP&A Act). The Independent Planning Commission granted approval for the MPW Stage 3 Project on 11 May 2021.

The MPW Stage 2 Project, including its potential impacts, consultation and proposed mitigation and management, is documented in the following:

- SSD 10431 development consent
- Moorebank Precinct West – Stage 3 – Environment Impact Statement (Aspect Environmental Pty Limited, 24 April 2020)
- Moorebank Precinct West – Stage 3 – Response to Submissions (Aspect Environmental Pty Limited, 21 August 2020)
- *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) Approval (No. 2011/6086) granted on 27 September 2016).

The MPW Stage 3 Project is located wholly within the MPW Stage 2 construction footprint shown in Figure 2-1 in the southern portion of the MPW site. The MPW Stage 3 site layout is provided in Figure 2-3.



DRAFT
WORK IN PROGRESS

LEGEND:			
—	LAND PARTNERS PROPOSED SUBDIVISION BOUNDARIES - SYD3809 013 2 1	Drawn	11/02/2023 2:03:26 PM
- - -	PROPOSED MPW STAGE 3 OPERATIONAL AREA	Checked	AG - JF
		Project Number	19311
		Issue	F
		Drawing Number	PIWW-RCG-AR-SKC-157
		Scale @ A1	

Rev	Description	Date	By	Appr	Notes
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Figure 2-3 MPW Stage 3 site location

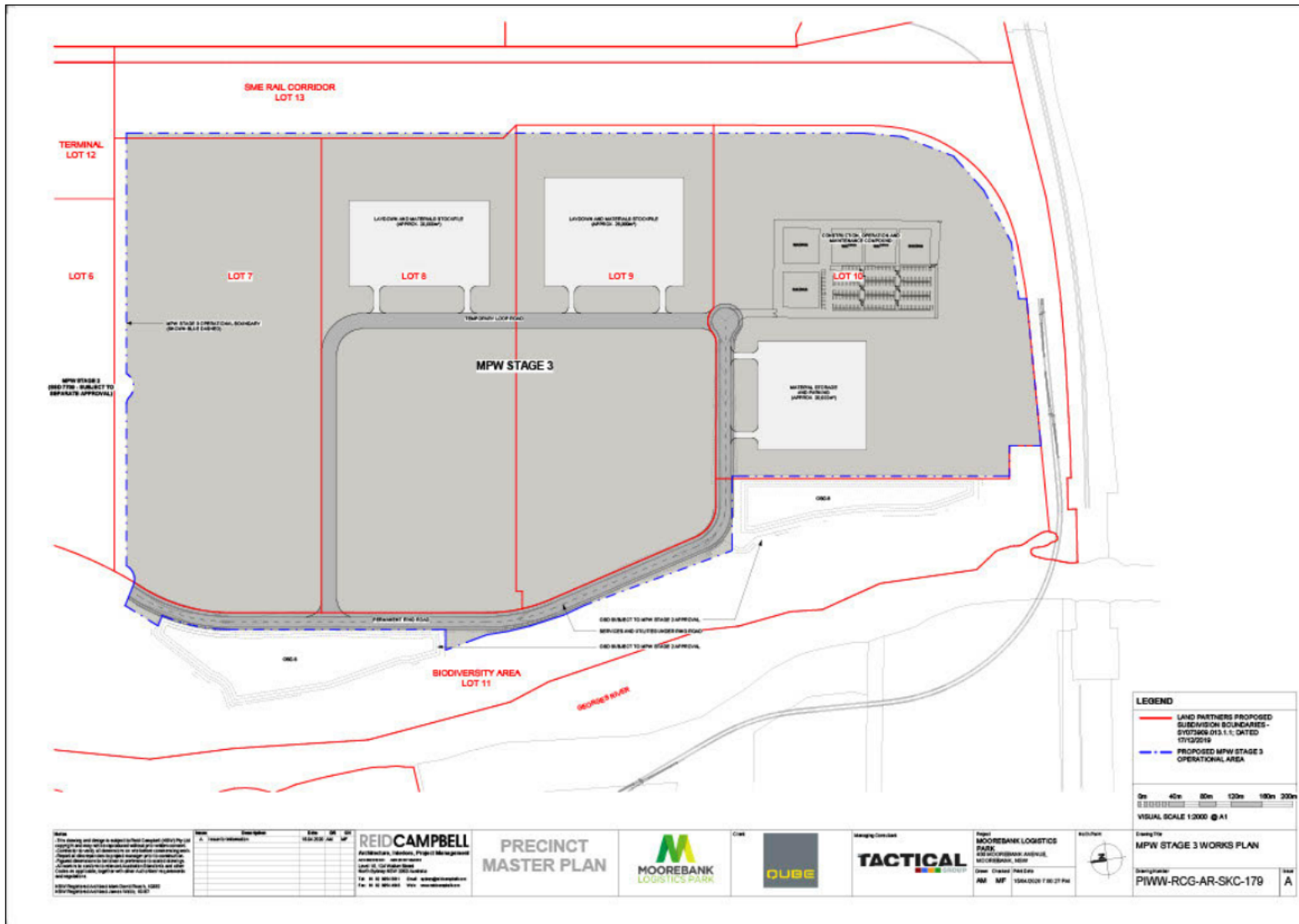


Figure 2-4 MPW Stage 3 site layout

Construction of the MPW Stage 2 Project is anticipated to take approximately 36 months, while construction of the MPW Stage 3 Project is expected to take approximately 30 months. Construction works have been divided into delivery phases, which are interrelated and may overlap. The terminology for the delivery phases or periods has been developed from the approved EIS and RtS documentation. The work phases for construction are provided in Table 2-2 and the indicative construction program is provided in Table 2-3.

Table 2-2 Project Delivery Phase Terminology

Works Activity	Project Delivery Phase	MPW Stage 2 RtS Equivalent	
Pre-construction	Site Preparation	Works period B – Site preparation activities	
Construction	Benching	Works period A – Pre-construction stockpiling and fencing Works period C – Bulk earthworks, drainage and utilities	
	Roads	Works period D – Moorebank Avenue intersection works and internal road network	
	Terminal and Rail	Works period E – IMT facility and rail link connection construction	
	Warehousing		Works period F – Construction and fit-out of warehousing and freight village
			Works period G – Miscellaneous structural construction and finishing works

Table 2-3 Indicative construction program

Construction Phase ¹	2020			2021				2022				2023				2024			
	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
SSD 7709 MPW Stage 2																			
Works period A – Pre-construction stockpiling																			
Works period B – Site preparation activities																			
Works period C – Bulk earthworks, drainage and utilities																			
Works period D – Moorebank Avenue/Anzac Road intersection works and internal road network																			
Works period E – IMT facility and rail link connection																			
Works period F & G – Construction and fit-out of warehousing																			
Works period F & G – Freight village																			

Construction Phase ¹	2020			2021				2022				2023				2024			
	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
SSD 10431 MPW Stage 3																			
Fill importation																			
Internal roads, services and utilities																			
Construction compound																			

Notes: 1. Timings are indicative only and are subject to change. Construction phasing is subject to market conditions, commercial agreements and authority approvals.

2.2.3 Facilities Neighbouring the MPW Site

To the east of Moorebank Avenue is the MLP East Precinct, which includes an intermodal terminal and warehouses. The MLP East Precinct also contains a number of construction areas for future warehouses and upgrades to Moorebank Avenue.

Additionally, located on the eastern side of Moorebank Avenue is the Defence Joint Logistics Unit (DJLU), several other warehouses operated by other parties, and Kitchener House.

The MPW site is bounded to the west by the Georges River and Glenfield Waste on the opposing riverbank, to the south by the Southern Sydney Freight Line (SSFL) and to the north by the M5 Motorway and ABB Australia (Refer to Figure 2-1).

2.3 Fire Safety Features

Fire extinguishers are installed in the main (Qube) compound only. A copy of the Qube compound evacuation diagram is ~~not~~ in Appendix G.

2.4 Organisational Arrangements

Emergency Planning Committee

The Emergency Planning Committee (EPC) are the persons responsible for the documentation and maintenance of this plan. The full contact details for the current members of the EPC are located on site. The responsibilities of the EPC are discussed in detail in Section 6.

The MPW Construction site Emergency Planning Committee will consist of representatives from Georgiou, BMD and Knight Frank. The current members of the EPC are detailed in Table 2-3. The responsibilities of the EPC are discussed in detail in Section 6.

Table 2-3 Emergency Planning Committee Representatives

EPC Members*	Name	Contact Details
EPC Coordinator	[Redacted] (Georgiou)	[Redacted]
Warden	[Redacted] (Georgiou)	[Redacted]
BMD Facilities - Warden	[Redacted] (BMD)	[Redacted]
MPW Facilities - Warden	[Redacted] (Knight Frank)	[Redacted]
MPW Facilities - Deputy Warden	[Redacted] (Knight Frank)	[Redacted]

Additional members as required

*Note: * Member details should be updated as required to ensure that details of EPC membership remain current at all times*

Emergency Control Organisation

The Emergency Control Organisation (ECO) includes the person or persons appointed by the EPC to direct and control the implementation of the emergency response procedures. The members of the Emergency Control Organisation for the MPW construction site will be nominated by the EPC during implementation of the ERP. The contact details of all MPW ECO members will be available on the staff notice boards at each compound on site and will be highlighted to all operational staff, tenants, contractors and visitors during staff training and/ or site inductions.

2.5 Extent and Record of Distribution of this ERP

This ERP relates to the MPW Stage 2 and 3 construction site. Primarily, this ERP addresses outdoor emergencies and external threats such as bushfire and flooding across the construction site. The extent to which this ERP currently relates is mapped in Figure 2-1.

This ERP will be distributed and made available to all occupants of the Project site through, at minimum, provision of hard-copy material at each facility that can be made available through ECO representatives where required.

The locations of hard copy versions of the ERP (or relevant excerpts) are detailed in Table 2-4.

Table 2-4 ERP hard copy locations

Building/Facility	ERP Location	Responsible Person
MPW Compound	Reception Area	Knight Frank
Georgiou Compound	Site Office	Georgiou
BMD Compound	Reception Area	BMD

2.6 Hours of Occupancy

Construction works would generally be undertaken during the standard daytime construction working hours, being:

- 7 am to 6 pm Monday to Friday
- 8 am to 1 pm Saturday
- No works on Sunday or Public Holidays.

The EPC will ensure that the ECO membership includes representatives who cover all shifts across the MPW site.

2.7 Validity Period

This ERP is valid for a maximum of five years from the date of preparation.

The ERP will not be valid where there is a substantive change to the facility activities covered by this ERP. Such a change would initiate a review of this ERP as detailed in Section 10.

3 EMERGENCY IDENTIFICATION OUTCOMES

In preparing this ERP a preliminary risk assessment (Appendix B) was undertaken to identify the potential emergencies of relevance to the MPW construction site. The risk assessment has been prepared with reference to SHE Risk Management Procedure (SHEMS-06-SR-0025). Table 3-1 lists the emergency events and scenarios that have been identified through the risk assessment process. Section 4 includes the emergency response procedures for each of the emergencies identified in Table 3-1.

[NOTE: Identified emergencies to be periodically reviewed and updated where necessary by the EPC]

Table 3-1 Emergency Identification and where addressed in this ERP

Source	Emergency	Emergency Response Procedure
Internal	Fire, Smoke or Explosion	CODE RED Sect on 4.5 - Fire, Smoke or Explosion Emergency Response Procedure
	Bomb Threat	CODE PURPLE Sect on 4.6 - Bomb Threat or Suspicious Package Emergency Response Procedure
	Medical Emergency	CODE BLUE Sect on 4.7 - Medical Emergency Response Procedure
	Personal Threat	CODE BLACK Sect on 4.8 - Unauthorized Access to Site Emergency Response Procedure
	Vehicle/Plant Incident	CODE YELLOW Sect on 4.9 - Vehicle/Plant Incident, Structural Collapse or Train Derailment Emergency Response Procedure
	Structural Collapse	CODE YELLOW Sect on 4.9 - Vehicle/Plant Incident, Structural Collapse or Train Derailment Emergency Response Procedure
	Environmental pollution incident	CODE YELLOW Sect on 4.10 - Environmental Pollution Incident Emergency Response Procedure
External	Bushfire	CODE BROWN Sect on 4.11 - Bushfire Emergency Response Procedure
	Flood	CODE BROWN Sect on 4.12 - Flooding Emergency Response Procedure
	Offsite pollution incident	CODE BROWN Sect on 4.13 - Off-site Discharge Emergency Response Procedure

4 EMERGENCY RESPONSE PROCEDURES

4.1 Access for Emergency Services

Emergency Services will be able to access the Project site via the access points identified in Figure 2-2. The Facility address for Emergency Services is 400 Moorebank Ave, Moorebank NSW 2170.

Emergency services will be able to access the construction site via the regular construction traffic access route as detailed in Figure 2-2. In the event that Emergency Services require directions to the scene, escorts and guides will be dispatched by the Chief Warden to greet them at the access point and unlock gates, as required.

Emergency services access will also be provided to ABB as well as a secondary evacuation route for ABB in the event that Bapaume Road is not accessible as a result of Project related works.

4.2 Traffic Management

The emergency location will be readily accessible and available for all attending Emergency Services personnel, vehicles and equipment. The Chief Warden will delegate appropriate persons to access points to the Project site in the event of an emergency.

Where required, under the direction of the Chief Warden, appointed Traffic Controllers will redirect vehicular and pedestrian traffic to ensure access to the incident area by emergency services is not prevented or delayed and that no additional incident or escalation occurs. Traffic controllers may redirect incoming non-emergency vehicles away from the facility if required. If safe to do so, provision will be made for redirected light and heavy vehicles to turn around within the construction site to avoid generating congestion on Moorebank Avenue. Where possible, incoming heavy vehicles will be advised via radio not to approach the facility, if the incident requires such an approach. Traffic controllers that are deployed to manage incoming emergency services and other traffic will also monitor the conditions on Moorebank Avenue in the vicinity of the Project site to ensure that the management procedures implemented do not introduce additional hazards for public road users.

Traffic management measures will require an adaptive response to address the specific conditions of the incident involved. As such, reliable lines of communication between the traffic controllers and the Chief Warden will be established to effectively address the existing emergency while also managing the traffic such that no further incidents occur. Coordination between Traffic Controllers, the Chief Warden and Emergency Services will be required to effectively provide appropriate public safety measures throughout the duration of the emergency operation.

4.2.1 Accredited Work Zone Traffic Controllers and Management Training

Only trained and accredited traffic control personnel will be used for traffic control works on public roads during an emergency/incident. Traffic controllers will undergo appropriate training and be certified as competent prior to their assignment to undertake traffic management. The minimum requirement is to have satisfactorily completed the RMS's training package – Traffic Control Using a STOP/SLOW bat.

4.3 Post Emergency Response

4.3.1 Incident Reporting and Investigation

All emergency or potential emergency events or incidents will be reported back to Qube and the EPC by the Chief Warden. The Chief Warden will prepare a report for the EPC which details the incident and any deficiencies identified in the relevant emergency response procedure.

It may be necessary to secure an incident scene using for example witch's hats, tape, barricades, or portable fencing until an investigation can be completed.

Incident and Emergency Reporting will be undertaken in accordance with the Contractors' Incident and Reporting Plan which is in accordance with Qube's Safety Health Environment Management System (SHEMS) *System Procedure – Incident Reporting and Management* (SHEMS-QM-13-PR-0126) and Section 2.8. of the relevant CEMP

4.3.2 Debrief

Emergency debrief meetings will be held with all members of the ECO following each emergency scenario exercise or actual emergency event to identify any deficiencies in the emergency response procedures. Findings from the debrief session will be reported to the EPC so that they can update the emergency response procedures of this ERP accordingly. Minutes from the debrief meeting will be recorded and any corrective actions entered into each Contractor's system, in accordance with Qube's Occupational Health and Safety Management software.

4.3.3 External Incident Reporting and Complaints Notification

Environmental Incident and Non-Compliance Reporting

Environmental incidents and non-compliances are discussed in Sections 2.8 and 4.4 of the MPW Stage 2 Construction Environment Management Plan (CEMP), respectively. It is a condition of the MPW development approvals that relevant external authorities must be notified following environmental incidents or non-compliances within the Project site.

Environmental incidents are defined, as a set of circumstances that causes, or threatens to cause material harm to the environment. Environmental incidents can include pollution incidents, where there has been a leak or spill resulting from operational activities, or environmental emergencies, which may arise from natural (e.g. storm, wind or bushfire) or human factors.

The Chief Warden will ensure that all significant environmental and pollution incidents and non-compliances are reported immediately to the EPC such that they can arrange for notifications to the relevant authorities as detailed in Section 2.8.3 of the relevant CEMP.

Non-compliances will be managed and notified, as required, as described in Section 4.4 of the relevant CEMP.

Complaint Management

Any relevant complaints regarding this ERP and the associated procedures will be directed to the Community Engagement Consultant (CEC) via a representative of the EPC or the Project Management Team. Further details on the complaint management process are provided in Section 2.6.3 of the relevant CEMP.

CODE ORANGE - EVACUATION

4.4 Emergency Evacuation Response Procedure

In the event that an evacuation is required, the following evacuation response will be followed:

1. Upon hearing the alarm, or being notified of an evacuation, all work will cease immediately. Where possible, all plant and machinery will be switched off and tools left behind
2. Wardens will be positioned in a predetermined location and will direct personnel to the assembly points
3. Personnel will NOT STOP to collect personal items while an evacuation is in progress, as all personnel are required to assemble at the nominated assembly points immediately
4. If any personnel notice that other personnel have not heard the evacuation signal, they will make them aware that the evacuation is in progress and assist them to evacuate
5. Wardens will then evacuate any remaining personnel who require assistance, along with their designated assistant(s), following the measures outlined in their respective Personal Emergency Evacuation Plans (PEEPs)
6. Following evacuation of the relevant area, Wardens will check their area of responsibility to determine whether all persons have been evacuated and report the result of the check to the Chief Warden, including whether any refuge is occupied
7. Due to the unpredictable nature of emergencies, the Chief Warden will need to determine whether the primary assembly point provides a safe refuge. If not, all personnel will be directed to a secondary assembly point
8. In the event that a Facility evacuation is required, staff/visitors are to proceed (if safe to do so) to the nominated safe refuge/assembly area until the emergency has been terminated or as directed by the attending Emergency Services
9. At the safe refuge/assembly area, the Wardens will confirm that all personnel on the Facility (including visitors) are accounted for. The records of all head counts will be provided to the Chief Warden, including details of any missing person(s)
10. No one will leave the safe refuge/assembly point until the all clear is given by the Chief Warden, or the attending emergency services
11. Upon cessation of the emergency or potential emergency, Wardens will direct staff and visitors to return to work
12. The post emergency response activities of the Emergency Control Organisation, identified in Section 4.3, will be initiated.

CODE RED – FIRE, SMOKE OR EXPLOSION

4.5 Fire, Smoke or Explosion Emergency Response Procedure

In the event of a fire, smoke or explosion within the MPW construction site, all small fires or smouldering objects will be quickly extinguished (if safe to do so and by trained staff/visitors), as they have the potential to quickly get out of hand. In the event of a fire, smoke or explosion, the following initial actions will be undertaken:

1. If staff are trained and if it is safe to do so, follow the R.A.C.E procedure as detailed below:
 - **Rescue:** rescue any people in immediate danger
 - **Alarm:** raise the alarm and notify the Chief Warden
 - **Contain:** if practical, close all windows and doors to contain the fire
 - **Extinguish:** try to control fire immediately with correct equipment.
2. Chief Warden will ascertain the location, extent and nature of the emergency and determine if an evacuation is required. The Chief Warden will also notify Emergency Services and contact First Aid Officers as required
3. Chief Warden will nominate a Warden or other person(s) to meet Emergency Services and direct them to the emergency
4. If an evacuation is required, the evacuation procedure in Section 4.4 (CODE ORANGE - Emergency Evacuation Response Procedure) will be followed. Otherwise, all personnel will follow the instructions of the Chief Warden
5. Where required, the Chief Warden is to allocate Traffic Controllers to divert and redirect traffic away from the emergency, until the emergency is declared terminated
6. If the emergency has the potential to affect other area(s) within the construction site or neighbouring sites, the Chief Warden will notify affected parties of the situation or delegate this responsibility to another person
7. On arrival of the attending Emergency Services, the Chief Warden will:
 - Hand over control to the Emergency Services Incident Controller (ESIC)
 - Brief the ESIC of the emergency (i.e. type and location)
 - Provide the status on the evacuation (if evacuation required), details of any unaccounted-for personnel/visitors, and any other relevant information.
8. When the ESIC terminates the emergency, then:
 - The ESIC will return control to the Chief Warden
 - The Chief Warden will advise Warden(s) in the affected area(s) that the emergency has been terminated and the all clear has been given
 - The Wardens will direct personnel to return to their work area and resume work activities.
9. The post emergency response activities of the Emergency Control Organisation, identified in Section 4.3, will be initiated.

CODE PURPLE – BOMB THREAT

4.6 Bomb Threat or Suspicious Package Emergency Response Procedure

All bomb threats will be treated as serious, until proven otherwise. Depending on the type of bomb threat, the following initial actions will be undertaken:

1. Upon receiving a **written bomb threat**:
 - Contact Police
 - Cease handing the written bomb threat to preserve the condition and prevent contamination
 - Place the letter into a paper envelope or plastic sleeve
 - Record the time and method the written bomb threat was received
 - Contact the Chief Warden.
2. Upon receiving a **telephone threat**:
 - Remain on the phone call (DO NOT hang up the telephone or mobile phone, as if may be possible to trace the call, even after the caller has hung up)
 - Contact Police
 - Complete the Bomb Threat Checklist (Next Page and Appendix E)
 - Contact the Chief Warden
 - DO NOT advise other staff members unless advised to do so by the Police or Chief Warden.
3. Upon receiving or finding a **suspicious package or device**:
 - Contact Police
 - Do NOT touch, cover, handle, tilt or move the package or device
 - Place the item on a flat surface, if possible
 - Contact the Chief Warden
 - Prevent others from entering the area.
4. On becoming aware of a bomb threat emergency, the Chief Warden will:
 - Contact Police
 - Ascertain the location, extent and nature of the emergency
 - Contact the First Aid Officer(s), as required
 - Contact Emergency Services and respond as directed by the operator.
5. Chief Warden will nominate a warden or other person to meet Emergency Services and direct them to the emergency
6. If an evacuation is required, the Code Orange evacuation procedure in Section 4.4 will be followed, if not, all personnel will follow the instructions of the Chief Warden
7. If the emergency has the potential to affect other area(s) within the Precinct or neighbouring sites, the Chief Warden will, where appropriate, notify affected parties of the situation or delegate this responsibility to another person
8. On arrival of the attending Emergency Services, the Chief Warden will:

- Hand over control to the ESIC
 - Brief the ESIC of the emergency (i.e. type and location)
 - Provide the status on the evacuation (if evacuation required), details of any unaccounted-for personnel/visitors, and any other relevant information.
9. When the ESIC terminates the emergency, then:
- The ESIC will return control to the Chief Warden
 - The Chief Warden will advise Warden(s) in the affected area(s) that the emergency has been terminated and the all clear has been given
 - The Wardens will direct personnel to return to their work area and resume work activities.
10. The post emergency response activities of the Emergency Control Organisation, identified in Section 4.3, will be initiated.

CODE BLUE – MEDICAL EMERGENCY

4.7 Medical Emergency Response Procedure

In the event of a medical incident or emergency within the site, the following steps will be taken:

1. Notify Chief Warden who will:
 - Determine the severity of the injury and the appropriate response required
 - Arrange for a First Aid Officer to be contacted and administer first aid
 - Where the injury is classified as serious or life threatening the Chief Warden will ensure that Emergency Services are called.
2. Where Emergency Services are requested, the Chief Warden will nominate a warden or other person to meet Emergency Services and direct them to the emergency
3. Applying First Aid
 - For those injuries that are minor and classified as First Aid, the patient will wait for the First Aid Officer to arrive
 - First Aid will be applied by a suitably trained person at the workplace (holder of a current first aid certificate), following the DRSABCD process
 - The DRSABCD Action Plan assists in assessing whether a patient has any life-threatening injuries and if immediate first aid is necessary. The following steps will be implemented:
 - **D**anger – ensure the area is safe for yourself, others and the patient
 - **R**esponse – Check for a response
 - **S**end – send for help, call 000 if needed
 - **A**irway – check for obstructions to airway
 - **B**reathing – check if patient is breathing
 - **C**PR – commence CPR if necessary
 - **D**efibrillation – source and apply defibrillation if available.
 - The First Aid Officer will then complete an Injury Report Form, a copy of which will be retained by the Shift Supervisor
4. What to do if the Injury is classified as serious
 - Where the on-site first aider has determined that the injury is serious and that any movement of the patient may aggravate the injuries, the patient will be left in place whilst awaiting the arrival of the Emergency Services
 - During this time, the Shift Supervisor or Person in Charge will ensure that:
 - The patient is kept warm
 - The patient is lying on his/her side unless it is suspected that he/she has suffered spinal damage, when he/she should not be moved
 - The patient's airways are clear
 - Efforts are made to staunch the flow of blood by applying a tourniquet or pressure pad.
5. On arrival at the scene, Emergency Services will establish the severity of the case and whether the patient will require hospitalisation
6. Injured person attended by ambulance:
 - Where it has been determined that the patient requires immediate hospitalisation then the First Aid Officer will request the attendance of an ambulance

- Whilst awaiting the ambulance:
 - The First Aid Officer will apply first aid as appropriate
 - The Shift Supervisor or Person in Charge will contain the incident area as appropriate and render every assistance to the Emergency Services Personnel
 - Where appropriate, the Chief Warden will allocate a worker to travel with the patient to the hospital
- 7. In the event of a serious injury that requires hospitalisation, the Chief Warden will advise the Area Manager as soon as is practicable. It is the responsibility of the Area Manager to contact the injured person's next of kin
- 8. The post emergency response activities of the Emergency Control Organisation, identified in Section 4.3, will be initiated.

CODE BLACK – PERSONNEL THREAT

4.8 Unauthorised Access to Site Emergency Response Procedure

Should any unauthorised person(s) be observed within the site, the following steps will be taken:

1. On becoming aware of any unauthorised access:
 - Notify the Chief Warden before approaching any person(s), as there may be a risk of an argument escalating
 - Establish if the person/persons pose a potential threat. If uncertain, call Police (000)
 - If a threat is not observed, approach the person to obtain their identity and reason for being on the Facility
 - If the person is unauthorised and has no business to be there, politely ask them to leave the Facility
 - If the person(s) refuses to comply, notify Facility Security
 - Police are to be called if assistance is required to remove them from the Facility.
2. The following guidelines apply:
 - Never engage in physical intervention
 - Try to restrict entry to buildings and Facility equipment
 - Call for assistance if needed
 - Secure records, files and other valuable items of property if there is a risk of access
 - Promote an air of confidence and calm.
3. If the emergency has the potential to affect other area(s) within the Precinct or neighbouring sites, the Chief Warden will, where possible, notify affected parties of the situation or delegate this responsibility to another person
4. If the unauthorised person/persons pose a threat to cause harm to occupants, then the following options should be considered by the Chief Warden:
 - Escape, Hide, Tell
 - Where immediate escape from the facility is not considered personally safe, then occupants should hide out of sight and remain silent, or alternatively take other action to protect their safety
 - Lockdown
 - Secure the facility (full or partial) or an area to protect its occupants in response to an occurring or imminent threat that may have the potential to cause harm
 - Full or Partial Evacuation
 - The Code Orange evacuation procedure in Section 4.4 should be followed where appropriate.
5. The post emergency response activities of the Emergency Control Organisation, identified in Section 4.3, will be initiated.

CODE YELLOW – INTERNAL EMERGENCY

4.9 Vehicle/Plant Incident, Structural Collapse or Train Derailment Emergency Response Procedure

In the event of a vehicle accident, container fall, train derailment or structural stability/collapse within the site, the following process will be followed:

1. On becoming aware of an accident, the person will:
 - If persons are injured notify the emergency services – call 000 – Ambulance & Police
 - Provide assistance to the injured person/persons
 - If trained and it is safe to do so, secure the affected area(s) to restrict access with available equipment
2. Notify the Chief Warden
3. The Chief Warden will ascertain the location, extent and nature of the emergency and determine if an evacuation is required. The Chief Warden will also notify Emergency Services and contact First Aid Officers as required
4. Where Emergency Services are requested, the Chief Warden should nominate a warden or other person to meet Emergency Services and direct them to the emergency
5. If the emergency has the potential to affect other area(s) within the Precinct or neighbouring sites, the Chief Warden will notify affected parties of the situation or delegate this responsibility to another person
6. If site access or tenanted activities are affected, the Chief Warden will notify Property Management, who will then notify the affected tenant(s). Property Management will also notify the Qube Property Manager
7. Where required, the Chief Warden is to allocate Traffic Controllers to divert and redirect traffic until the emergency is declared terminated
8. If an evacuation is required, the evacuation procedure in Section 4.4 should be followed. If not, all personnel are to follow the instructions of the Chief Warden
9. On arrival of the attending Emergency Services, the Chief Warden will:
 - Hand over control to the ESIC
 - Brief the ESIC of the emergency (i.e. type and location)
 - Provide the status on the evacuation (if evacuation required), details of any unaccounted-for personnel/visitors, and any other relevant information.
10. When the ESIC terminates the emergency, then:
 - The ESIC will return control to the Chief Warden
 - The Chief Warden will advise Warden(s) in the affected area(s) that the emergency has been terminated and the all clear has been given.
11. The Wardens will direct personnel to return to their work area and resume work activities
12. The post emergency response activities of the Emergency Control Organisation, identified in Section 4.3, will be initiated.

CODE YELLOW – INTERNAL EMERGENCY

4.10 Environmental Pollution Incident Emergency Response Procedure

In the event of an oil, chemical or fuel spill or leak within the site, the following process will be followed:

1. On becoming aware of an oil, chemical or fuel spill, the person will:
 - If injury has occurred notify Fire & Rescue NSW & Ambulance - call 000
 - Notify the Chief Warden
 - If trained and it is safe to do so, secure the affected area(s) to restrict access with available equipment.
2. The Chief Warden will ascertain the location, extent and nature of the emergency and determine if an evacuation is required. The Chief Warden will also notify Emergency Services and contact First Aid Officers as required
3. Where Emergency Services are requested, the Chief Warden will nominate a warden or other person to meet Emergency Services and direct them to the emergency
4. If the emergency has the potential to affect other area(s) within the Precinct or neighbouring sites, the Chief Warden will notify affected parties of the situation via email, telephone or face to face or delegate this responsibility to another person
5. Where required, the Chief Warden will allocate Traffic Controllers to divert and redirect traffic away from the emergency until the emergency is declared terminated
6. If an evacuation is not required, the Chief Warden will ensure the following steps are undertaken to manage the emergency:
 - Control
 - Control the spill to minimise quantity spilt into the environment. Barricade off the area if needed to prevent vehicles and/or people from entering
 - In the case of gaseous emissions, maintain a safe distance and cordon off the area.
 - Contain
 - Contain what has already been spilt and isolate to prevent further discharge, runoff, or emissions particularly into stormwater drains or water sources.
 - Clean up
 - Refer to the Safety Data Sheets (SDS)
 - Use material provided in spill kits to contain the pollution
 - In the case of vaporous or gaseous emissions, follow directions provided by Emergency Services.
 - Dispose
 - All waste materials are to be placed in waste containers and labelled appropriately for disposal to a licensed waste facility
 - Disposal dockets are to be collected by the Chief Warden.
7. If an evacuation is required, the evacuation procedure in Section 4.4 will be followed. If not, all personnel are to follow the instructions of the Chief Warden

8. The Contractor's EM will notify the Principal's Representative who will report the incident to the Relevant Authority/Authorities if the incident causes or threatens to cause *material harm* to the environment, in accordance with the procedure outlined in the Section 2.8.3 of the CEMP
9. On arrival of the attending Emergency Services, the Chief Warden will:
 - Hand over control to the ESIC
 - Brief the ESIC of the emergency (i.e. type and location)
 - Provide the status on the evacuation (if evacuation required), details of any unaccounted-for personnel/visitors, and any other relevant information.
10. When the ESIC terminates the emergency, then:
 - The ESIC will return control to the Chief Warden
 - The Chief Warden will advise Warden(s) in the affected area(s) that the emergency has been terminated and the all clear has been given
 - The Wardens will direct personnel to return to their work area and resume work activities.
11. The post emergency response activities of the Emergency Control Organisation, identified in Section 4.3, will be initiated.

CODE BROWN – EXTERNAL EMERGENCY

4.11 Bushfire Emergency Response Procedure

A bushfire can occur at any time of the year. In all cases, the protection of people (including fire fighters) will be the first and highest priority during bushfires. The Action/Decision flowchart for bushfire emergencies is shown in Figure 4-1.

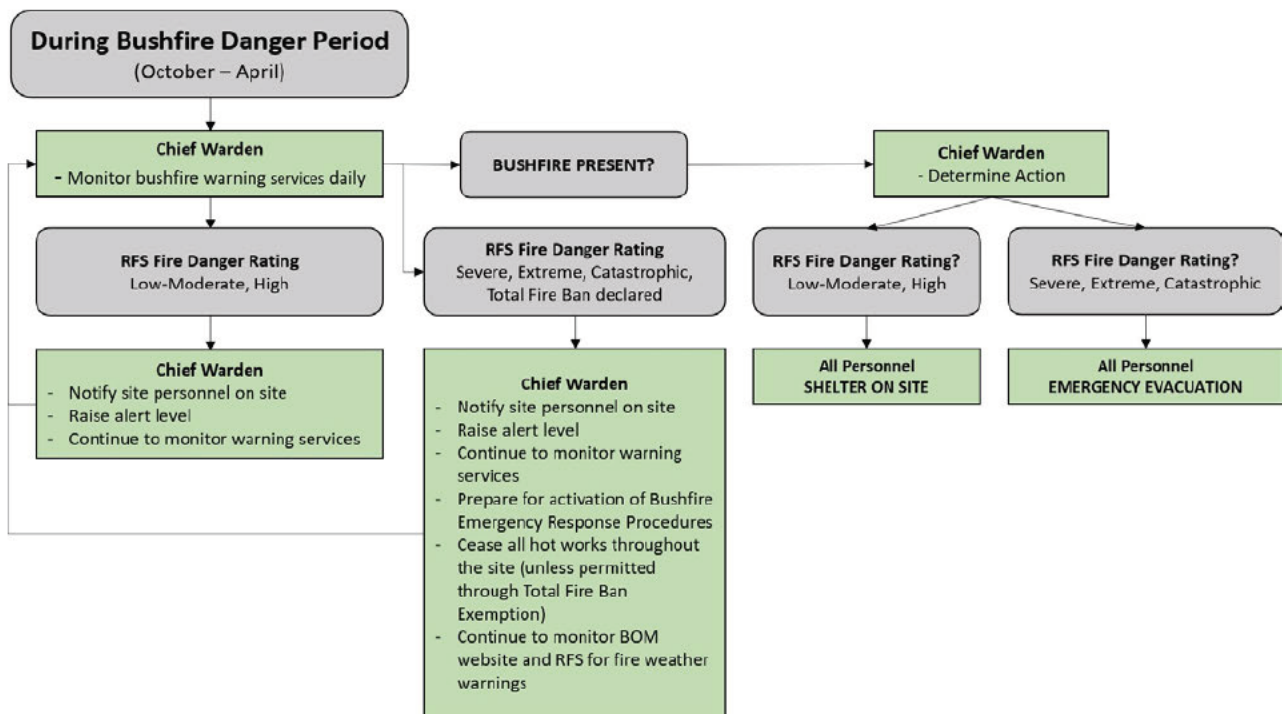


Figure 4-1 Action/Decision Flowchart for Chief Warden

4.11.1 Bushfire Warning Services

During the bushfire danger period (October to April), the Chief Warden will monitor the following sources for Bushfire alert levels and National Fire Danger Rating advice:

1. NSW Rural Fire Service (RFS) (<http://www.rfs.nsw.gov.au/fire-information/fdr-and-tobans>)
2. Bureau of Meteorology (BoM) also issue fire weather warnings (<http://www.bom.gov.au/australia/warnings/>)
3. Fires Near Me App (<https://www.rfs.nsw.gov.au/news-and-media/stay-up-to-date>)

4.11.2 Bushfire Monitoring and Level of Alert

The Chief Warden for the Project site (or other nominated persons) will:

1. Monitor daily weather and RFS fire danger rating
If RFS fire danger rating is – Low-Moderate, High
2. Increase level of alert
3. Continue to monitor the BoM website and RFS for fire weather warnings

If RFS fire danger rating is – Severe, Extreme, Catastrophic – Total Fire Ban declared

4. Increase level of alert
5. Notify all occupants of fire danger rating
6. Cease all hot works throughout the Precinct (unless permitted through Total Fire Ban Exemption)
7. Prepare for activation of Bushfire Emergency Evacuation or Sheltering Procedures
8. Continue to monitor the BoM website and RFS for fire weather warnings.

4.11.3 Bushfire Present

1. On becoming aware of a bushfire, the observer will call 000 to report the fire and notify the Chief Warden immediately
2. The Chief Warden will ascertain the location, extent and nature of the emergency and determine if an evacuation is required. The Chief Warden will also notify Emergency Services and contact First Aid Officers as required
3. If the emergency has the potential to affect other area(s), the Chief Warden will notify affected parties of the bushfire.
4. If an evacuation is required, the evacuation procedure in Section 4.4 will be followed. If not, all personnel are to follow the instructions of the Chief Warden
5. On arrival of the attending Emergency Services, the Chief Warden will:
 - Hand over control to the ESIC
 - Brief the ESIC of the emergency (i.e. type and location)
 - Provide the status on the evacuation (if evacuation required), details of any unaccounted-for personnel/visitors, and any other relevant information
 - Seek instruction from emergency services and follow the instructions.
6. When the ESIC terminates the emergency, then:
 - The ESIC will return control to the Chief Warden
 - The Chief Warden will advise the Warden(s) in the affected area(s) that the emergency has been terminated and the all clear has been given
 - The Wardens will direct personnel to return to their work area and resume work activities.
7. The post emergency response activities of the Emergency Control Organisation, identified in Section 4.3, will be initiated.
8. CODE BROWN – EXTERNAL EMERGENCY

4.11.4 Sheltering Onsite

Relocation of employees on the Project site, otherwise known as sheltering, will be implemented in the first instance unless it is deemed unsafe to remain on site. The safest option is to relocate before the impact of a bushfire. However, if it is unsafe to evacuate, occupants will seek shelter as far away from the bushfire impact areas as possible.

Shelter and assembly areas will be situated away from bushfire prone land and vegetation as detailed for compound locations in the MPW Stage 2 Bushfire Risk Management Plan (that is, they should be away from the APZ along the western boundary and more than 10m from existing bushfire prone vegetation within the Project site). The Chief Warden in conjunction with the EPC will determine the suitability of the assembly points based on the existing bush fire hazard within the Project site at the time.

Personnel will relocate onsite (shelter), beyond the reach of bushfire, to the nominated bushfire emergency assembly areas identified in Figure 5-1 as directed by the Chief Warden. Each of the suggested assembly points have been identified with consideration to the extent of bushfire prone areas surrounding the site. The assembly points will be adequately signed to clearly identify the location to evacuees.

The primary emergency assembly point is located within the premises of the Main Compound. The Main Compound will be accessible for all site personnel working on construction works for the Project.

Two secondary assembly points have been identified in the event that a bushfire occurs in or near the Main Compound (refer to Figure 5-1). The first will be implemented prior to the clearing of bushland and is located in the north of site, south of Bapaume Road. Post clearing of bushland, the secondary assembly point will be located east of the Main Compound, approximately 100m north of Chatham Avenue. This assembly point will only be used once the existing surrounding vegetation at this location has been cleared.

BMD's primary Emergency Assembly area will be the Bapaume Road entrance to the compound.

While sheltering procedures are in place, the following actions will be implemented:

- The Chief Warden will maintain situational awareness through radio, NSW RFS website, 1800 NSW RFS, smart phone applications and local firefighting resources
- Two persons are to make regular exterior visual inspections (wearing appropriate protection from bushfire) of the refuge for embers and extinguish where possible or call 000 for assistance
- If any buildings within the Project site catch fire, internal evacuation protocols will be followed [to be developed on finalisation of Facility design)

As the additional warehouses are constructed and become operational, the Emergency Planning Committee will review the ERP to identify the additional evacuation routes and assembly points required.

4.11.5 Bushfire Emergency Evacuation Procedure

The decision to advise or direct evacuation will be considered whenever there is a potential need to move people to a safer place. This process will be constantly reviewed in changing circumstances and will be determined by the Chief Warden.

Prior to evacuation, site personnel will move to the primary assembly point located in the Main Compound. If it has been identified that a bushfire is in or near the Main Compound, site personnel will move to the secondary assembly point (refer Section 4.11.4) Sheltering Onsite.

During evacuation, site personnel will be responsible for their own transport. Site personnel will travel from the primary assembly point via Chatham Road to Moorebank Avenue. After site personnel have exited the Project site from the construction site access point, site personnel will then travel north towards the intersection of Moorebank Avenue and the M5 Motorway (South-West Motorway). The evacuation route is shown in Figure 5-1.

BMD's emergency evacuation access will be from the assembly point at Bapaume Road through to Moorebank Avenue.

CODE BROWN – EXTERNAL EMERGENCY

4.12 Flooding

The floodplain risk management (FRM) guideline was developed in conjunction with the State Emergency Service (SES) to provide a basis for the flood emergency response categorisation of floodplain communities (both existing and future). Classification provides an indication of the relative vulnerability of the community in flood emergency response and when used with FRM Guideline SES Information Requirements from the FRM Process, it identifies the type and scale of information needed by the SES to assist with emergency response planning (ERP).

The Floodplain Development Manual, 2005 requires flood studies and FRM studies and plans to address the management of continuing flood risk to both existing and future development areas. As continuing flood risk varies across the floodplain so does the type and scale of emergency response problem and therefore the information necessary for effective ERP. Below outlines the results of the flood risk studies for MPW Stage 3 and the necessary ERP procedure.

4.12.1 Georges River Flooding Risk

The January 2011 Liverpool City Council (LCC) flood risk map (shown on Figure 4.1) indicates that the Project site is most at risk of flooding from the Georges River in the lower terrace area of the eastern floodplain of the river. Peak 1% AEP flood levels range from 11.7 to 10.4 metres above Australian height datum (AHD) along the western boundary of the site.

LCC flood data was used to assess existing flood risk zones within the Project site, as summarised in Table 4.12.1.

Flood risk category	Category definition	Project area affected (ha)	Percentage of Project site affected
High flood risk	Areas within 1% AEP flood extent and subject to high hydraulic hazard or evacuation difficulties.	23.6	12%
Medium flood risk	Areas within 1% AEP flood extent and not subject to high hydraulic hazard or evacuation difficulties.	25.5	13%
Low flood risk	All other floodable and (i.e. within the probable maximum flood (PMF) extent).	56.8	29%
No flood risk	All other areas (i.e. all areas outside the PMF extent).	90.9	46%

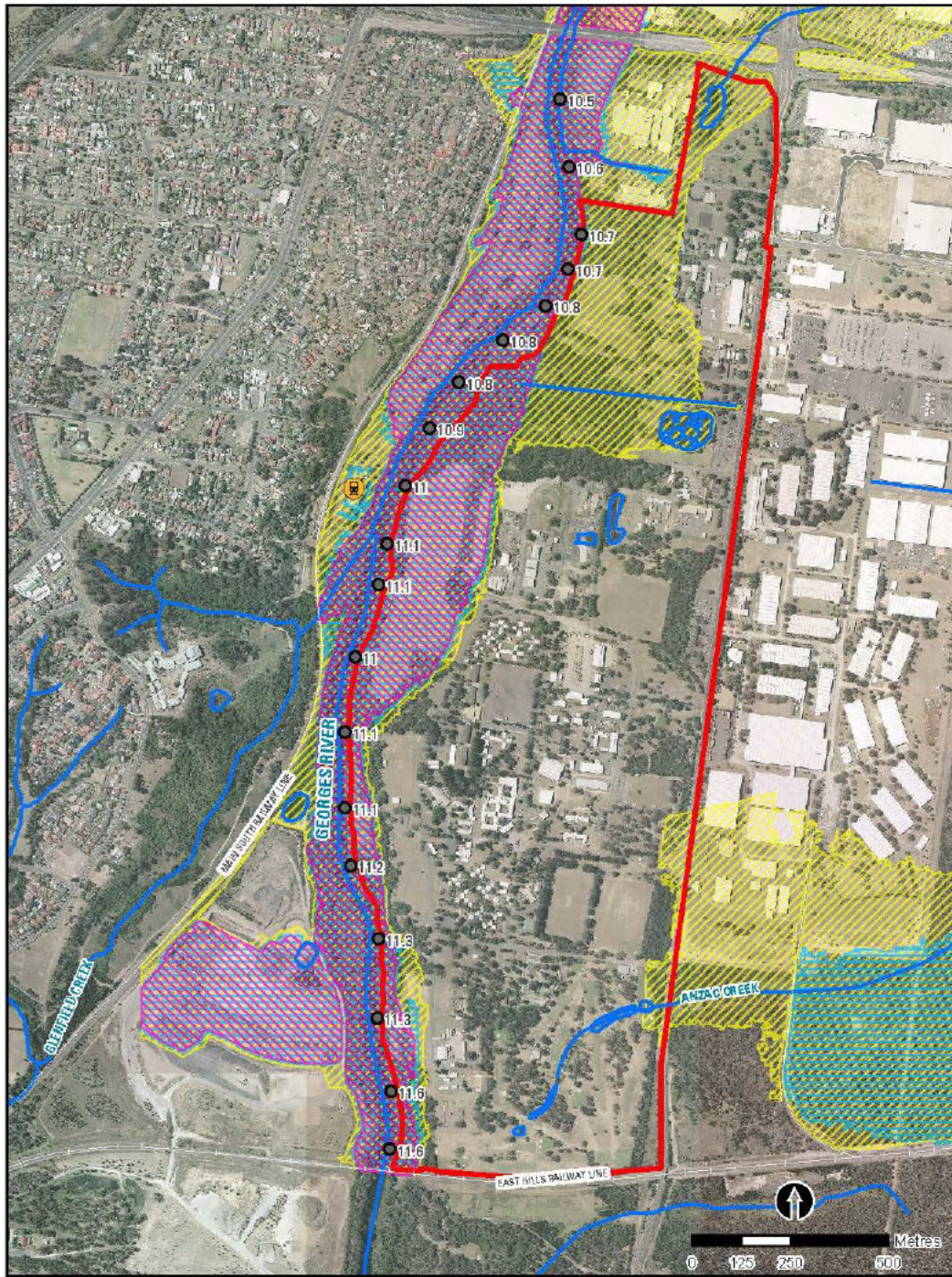
Table 4.1 MPW site flood risk zones (Source: Table 16.2, Moorebank Intermodal Terminal Project EIS, Parsons Brinckerhoff, 2016)

Figure 4.1 shows these existing flood risk zones for the Project site based on LCC's flood modelling results from the Upper Georges River Flood Study (Department of Land and Water Conservation and Liverpool City Council, 2000) and the modelling of Anzac Creek completed for the Anzac Creek Floodplain Risk Management Study and Plan (BMT WBM 2008). This study predicted that the critical storm duration for flooding at the Project site is 36 hours for the 1% AEP flood event. For this storm duration, a reasonable warning time is available and the proximity of the river would allow visual warning of rising flood levels. Flooding from a critical storm would persist for a relatively long duration in the medium and high flood risk zones within the Project site, although the proximity of the river would allow visual warning of rising flood levels. In extreme flood events, the existing Project site could be evacuated via the areas of the Project site that lie outside the PMF extent, as there is direct access to Moorebank Avenue, which remains flood free under this maximum event.

4.12.2 Anzac Creek Flooding Risk

The Project site is at the headwaters of Anzac Creek. The Anzac Creek Floodplain Risk Management Study and Plan (BMT WBM 2008) identifies that flooding is generally confined within the main channel of Anzac Creek, upstream of the M5 Motorway. Effective conveyance of flood discharges in the main channel means that there is very little floodplain inundation, even up to the 1% AEP flood event. Existing culverts through the M5 Motorway embankment are considered adequate to convey the 1% AEP floodwaters to the downstream reaches of the Anzac Creek catchment, without causing substantial backwater accumulation (assuming no culverts are blocked).

Only a minor proportion of the existing Project site (approximately 9%) lies within – and drains to – the Anzac Creek catchment. Under existing conditions, the flood risk to the Project site from Anzac Creek is negligible.



■ Moorebank Intermodal Terminal boundary
 Flood risk probability*
 ● 100 year water level mAHd (existing conditions)
— Drainage
 Low risk:
 Flood line
 Medium risk:
 High risk

Figure 16.2 Existing flood risk probability map

* Flood risk based on data supplied by Liverpool City Council (January, 2011)

Figure 4-1 Existing flood risk probability (source: BMT WBM 2008)

4.12.3 Flood Emergency Response Procedure

The Bureau of Meteorology (BoM) provides flood forecasting and warning services for the Georges River catchment and will issue a Flood Watch up to four days in advance of expected onset of flooding. Flood Watches are updated at least daily when issued. The Project will utilise a Flood Watch as a trigger for notification of relevant parties in advance of any flood event.

In the event of a flood, the following steps will be undertaken:

1. On becoming aware of a flooding event through monitoring of the BoM website or an alert being raised by an occupant, the Chief Warden will ascertain the location, extent and nature of the emergency and notify Emergency Services and contact First Aid Officers as required
2. The Chief Warden will notify all site personnel to 'shelter in place' at the emergency assembly point as shown in Figure 5-1
3. Chief Warden to instruct all site personnel to remain on the Project site and will not attempt to enter or drive through any flood waters
4. Chief Warden to coordinate closure of Project site to external visitors
5. Relevant regulator notification and incident management to be undertaken in accordance with the CEMP in Section 2.8.
6. When it is safe to do so, the following will occur:
 - Mobile construction equipment, excess material, skips and hazardous substances will be removed from the flood prone area to areas of higher ground
 - Power will be turned off until such a time that it is deemed safe to turn it back on
 - Site toilets and septic tanks to be pumped out into tankers
 - Loose materials to be moved out of flood prone area or secured
 - Emergency erosion and sediment controls will be implemented. This may include temporary bunds to divert water around key areas such as stockpiles and reduce risk to surrounding properties which might otherwise be affected
 - Evacuate site once given the all-clear from the Chief Warden.
7. On arrival of the attending Emergency Services (if requested), the Chief Warden will:
 - Hand over control to the ESIC
 - Brief the ESIC of the emergency (i.e. type and location)
 - Provide the status on the evacuation (if evacuation required), details of any unaccounted-for personnel/visitors, and any other relevant information.
8. When the ESIC terminates the emergency:
 - The ESIC will return control to the Chief Warden
 - The Chief Warden will advise Warden(s) in the affected area(s) that the emergency has been terminated and the all-clear has been given
 - The Wardens will direct personnel to return to their work area and resume work activities if safe to do so. If resumption of work activities is not appropriate, then the Chief Warden will determine whether personnel should depart site.
9. Following the event, a safety walk will be conducted by Wardens to determine whether or not it is safe to return to work and restore / repair flood damage, as required. This will include an electrician checking any inundated or water affected power boxes or electrical equipment. The power is to remain off until assessed by the electrician
10. During the flood emergency, the Chief Warden will:

- Monitor the BoM website for warnings, Australian Broadcasting Corporation (ABC) radio broadcasts, local emergency services social media pages, and local news outlets
- Follow all advice and instructions given by emergency services, as required
- Ensure all occupants on-site are informed of the 'shelter in place' approach and not to attempt evacuation from site until it is safe to do so.

4.13 Off-site Discharge Emergency Response Procedure

In the event of an uncontrolled pollution incident off site, or following a vehicle accident, the following steps will be taken:

1. Notify the Chief Warden of the situation immediately
2. If discharge cannot be contained with the equipment on hand notify Emergency Services immediately
3. Where possible try to contain and isolate discharge to prevent further discharge, if appropriately trained and safe to do so
4. Erect barriers around the area to prevent vehicles and pedestrians from entering the area. In the case of gaseous emissions, maintain a safe distance
5. The Contractor's EM will notify the Principal's Representative who will report the incident to the Relevant Authority if the incident causes or threatens to cause *material harm* to the environment, in accordance with the procedure outlined in the Section 2.8.3 of the CEMP
6. On arrival of the attending Emergency Services:
 - Hand over control to the ESIC
 - Brief the ESIC of the emergency (i.e. type and source of discharge, actions undertaken to date and other relevant information).
7. When the ESIC terminates the emergency, undertake the relevant post emergency actions identified in Section 4.3.

5 EVACUATION DIAGRAM

5.1 Emergency Evacuation Route and Assembly Points

The assembly points and emergency evacuation routes for the MPW Stage 2 and 3 construction site are shown in Figure 5-1.

[Note: The EPC will consult with ABB to ascertain a secondary evacuation route for ABB in the event that Bapaume Road is not accessible. Figure 5-1 will then be updated accordingly]

MPW Stage 2 Construction Emergency Response Plan

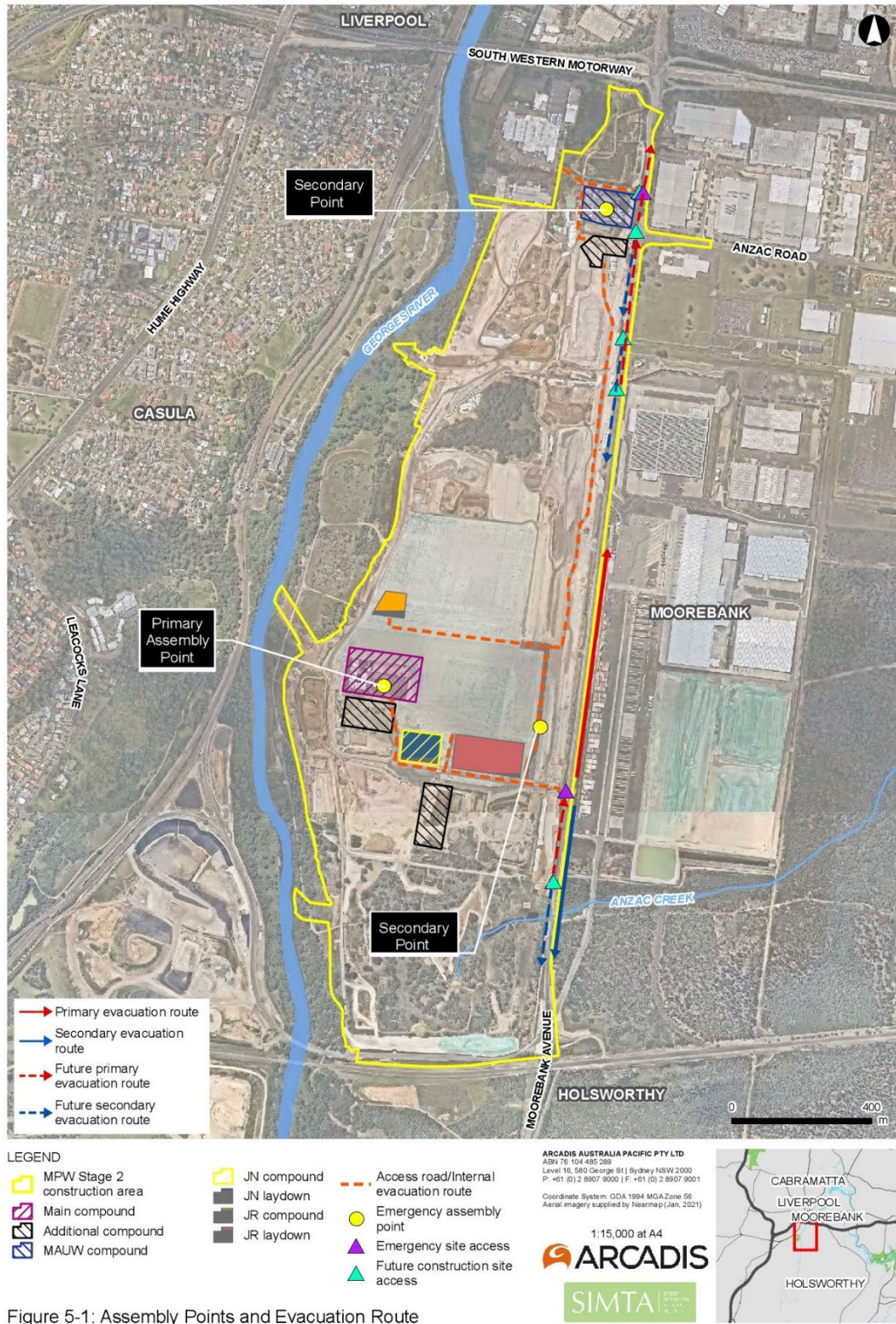


Figure 5-1: Assembly Points and Evacuation Route

Date: 17/03/2021 Path: \\mo-aaa-ne-fs-01\job\A0097650_GIS\Current\Map\MPWS2\MPWS2_CEMP\MPWS2_ERP\SIMTA_MPWS2_ERP_003_EvacuationDiagram_A4P_v5.mxd Created by: GC, Updated by: EM, QA by: KP

Figure 5-1 Assembly points and evacuation route

6 EMERGENCY PLANNING COMMITTEE

The EPC are the persons responsible for the documentation and maintenance of this ERP.

The EPC will consist of representatives from the Construction Contractor/s for the MPW Stage 2 and MPW Stage 3 projects construction site and additional persons as required. Each Contractor's PM will assign suitable EPC representatives following the Contractor's appointment to the Project. Suitable representatives may include but not be limited to members of the Project Management Team. Relevant experience and capacity for personnel to perform the role will be taken into consideration when assigning EPC representatives.

EPC members, once appointed, will familiarise themselves with *Australian Standard 3745-2010 Planning for Emergences in Facilities* and the responsibilities outlined in that document and the section of this ERP that follows. The EPC will arrange for training of its members in line with Section 8 of this ERP. The EPC will appoint and arrange for training of the ECO as detailed in Section 6.1.1 and Section 8 of this ERP. The EPC will review the contents of this ERP for currency (especially the areas highlighted in yellow) and revise the document as required after initial implementation.

The current members of the EPC are detailed in Table 2-3. The EPC will review, update and implement the ERP and thereafter meet six monthly as a minimum to review the Plan and undertake the responsibilities detailed in Section 6.1, as required.

6.1 Responsibilities of the EPC

6.1.1 General

The EPC will hold the following responsibilities:

- Identifying events that could reasonably produce emergency situations across the Project site
- Updating this emergency plan for currency prior to operations. Further guidance can be obtained in Section 3 of AS3745-2010
- Ensuring that resources are available to enable the development and implementation of the emergency plan including time, finance, equipment and personnel
- Nominating the validity period for the emergency plan and the evacuation diagrams
- Ensuring that the emergency plan is readily identifiable and available to the appropriate persons
- Establishing an ECO to operate in accordance with the emergency plan

If necessary, establishing a specialist emergency response team (ERT). At this stage, an ERT is not deemed necessary for the Project site. Current response procedures as carried out by the ECO are expected to suitably address the likely emergency situations without the need for a specially trained emergency response team.

Following release and implementation of the ERP, the EPC will:

- Ensure that all requirements of this ERP are implemented across the Project site
- Ensure that information about the procedures is communicated to occupants and workers within the Project site in a suitable format. Dispersal through site inductions will likely be the simplest approach
- Establish a training protocols in accordance with Section 8 of this ERP to ensure ECO members and occupants have relevant training
- Ensure that the Chief Warden coordinates annual evacuation exercises
- Establish an emergency exercise protocol in collaboration with the Chief Warden
- Ensure that feedback from the ECO on the effectiveness of emergency response procedures are considered in making amendments to rectify deficiencies or inaccuracies identified in the procedures
- Ensure the ECO has the relevant equipment, provisions and training to implement the procedures detailed in this ERP

- Establish procedures as detailed in Section 8.3 of this ERP to ensure visitors are aware of the emergency response procedures
- Ensure procedures remain viable and effective through at least annual review of the ERP
- Ensure review of the ERP at end of validity period or after any changes that would affect the plan. The ERP will be reviewed when new areas within construction site become operational
- Ensure that a permanent record of events for each emergency is compiled and retained
- Identify and rectify deficiencies and opportunities for improvement in the emergency plan and emergency response procedures.

6.1.2 Appointment of an Emergency Control Organisation

The EPC is responsible for appointing an ECO for the Project. The following positions will be included if they are deemed necessary by the EPC, in accordance with the requirements of AS 3745-2010:

- a) Chief Warden (required as minimum)
- b) Deputy Chief warden
- c) Communications officer and deputy
- d) Area wardens and deputies
- e) Wardens and deputies
- f) Additional positions as required.

The most suitable candidates for the ECO on the Project site would be the members of the Project Management Team, however, the specific personnel can be determined by the EPC as required. For further information on the ECO requirements and responsibilities refer to Section 7.

The number of ECO members can vary depending on the specific requirements of the Emergency Response Procedures, the nature of the activities occurring on site, the size of the facility and the number of visitors and permanent occupants that would normally occupy the site.

Selection criteria for ECO members

Members of the ECO will be appointed in consideration of the following criteria for each role. All ECO members will:

- Be capable of performing their duties
- Have leadership qualities and the ability to command authority
- Display effective decision-making skills
- Demonstrate the capability to remain calm under pressure
- Be available on-site to undertake their appointed duties
- Be an effective communicator
- Be capable of working in other roles in the ECO if required
- Be able to undergo relevant training.

7 EMERGENCY CONTROL ORGANISATION

The Emergency Control Organization (ECO) are the group of persons, appointed by the EPC, responsible for implementing the Emergency Response Procedures of this ERP. The ECO are required to give top priority to the safety of occupants and visitors of the facility during an emergency. Life safety will take precedence over asset protection during an emergency.

7.1 Authority

The Chief Warden will take control in the event of an emergency, and all employees (including managers, supervisors and warehouse tenants) will be required to comply with the directions given by the Chief Warden and ECO members under command of the Chief Warden.

7.2 ECO Structure

For this precinct-wide ERP, the minimum number of ECO members will include:

- Chief Warden
- Additional area supervisors as nominated by the EPC or Chief Warden

Appointment of ECO members will consider the requirement to have all ECO roles filled during construction hours of the Project site. As such, Shift Supervisors/Foreman from the Construction Contractor will be suitable candidates for Chief Warden or Area Warden roles during normal construction activities.

7.3 Responsibilities of the ECO

For the purposes of this ERP the ECO members will have the responsibilities detailed in Table 7-1.

Table 7-1 Responsibilities of the Project site ECO members before during and after emergency situations

Roles (or equivalent)	Responsibilities
Chief Warden/Communications Officer	Pre-Emergency Responsibilities <ul style="list-style-type: none"> • Maintain a current register of ECO members across the site • Replace ECO members when a position becomes vacant • Conduct regular exercises (as detailed in Section 9) • Ensure the Emergency Response Procedures (detailed in Section 4) are kept up to date • Attend meetings of the EPC as required • Ensure personal ECO identification (as detailed in Section 7.4) is available • Ensure that there are sufficient First Aid personnel on site • Ensure personal proficiency in operations of facility communication equipment (where available) • Maintain records and logbooks of communication equipment/warning systems and make them available for emergency response • A roster of wardens is established and updated (if required) • Establish arrangements to ensure continuing operation of the ECO through holidays and resignations of members and deputies etc. • Ensure that emergency contact details are kept up to date • Attend training and emergency exercises as required by the EPC • Obtain an annual exemption permit from RFS to undertake emergency hot works during total fire bans.
	During Emergency Responsibilities <ul style="list-style-type: none"> • Respond and take control, as appropriate

Roles (or equivalent)	Responsibilities
	<ul style="list-style-type: none"> • Notify Emergency Services and ECO members where appropriate • If necessary, act on the appropriate Emergency Response Procedure as detailed in Section 4 and control access to the affected area • Monitor the progress of the evacuation and record any actions taken in an incident log • Monitor the progress of the evacuation/incident and record any action taken in an incident log • Brief the emergency services personnel upon arrival on type, scope and location of the emergency and status of the evacuation (if required) and thereafter, act on the Senior Emergency Services Officers instructions • Any other action as considered necessary or as directed by Emergency Services. <hr/> <p>Post-Emergency Responsibilities</p> <ul style="list-style-type: none"> • When emergency incidents rendered safe or emergency services return control, notify the ECO members to advise occupants to return to the facility as appropriate • Organise a debrief with the ECO members and, where appropriate, with any attending Emergency Service personnel • Identify any deficiencies and opportunities for improvement in the emergency plan and emergency response procedures • Complete a report for the EPC and detail any deficiencies in the emergency response procedures that were observed by ECO members or occupants • Attend ECO debriefing session immediately following emergency or emergency exercise.
<p>Area Wardens</p>	<p>Pre-Emergency Responsibilities</p> <ul style="list-style-type: none"> • Ensure there are sufficient wardens in relevant area of responsibility to effectively carry out the emergency response procedures • Coordinate the completion of Personal Emergency Evacuation Plan (PEEP) documentation for relevant occupants in area/facility of responsibility • Report on deficiencies of emergency equipment • Ensure that all occupants within the nominated area/facility are aware of the emergency response procedures • Ensure that occupants know the identity of their Area Warden and/or Wardens • Coordinate and/or carry out safety practices (e.g. clear egress paths, access to first-attack firefighting equipment and disposal of rubbish) within area of responsibility • Ensure personal ECO identification is available • Attend training and emergency exercises as required by the EPC/Chief Warden. <hr/> <p>During Emergency Responsibilities</p> <ul style="list-style-type: none"> • Implement the emergency response procedures for their area of responsibility as directed by a alarm system or as directed by the Chief Warden • Direct warden to undertake check of area for any abnormality or carry out personally required • Follow directions of the Chief Warden • Coordinate persons to assist Wardens as required • Communicate with Chief Warden if there is any relevant change in area of responsibility. <hr/> <p>Post-Emergency Responsibilities</p> <ul style="list-style-type: none"> • Complete a report of the actions taken and any deficiencies observed in the emergency response procedure and discuss with Chief Warden in the debrief

Roles (or equivalent)	Responsibilities
	<ul style="list-style-type: none"> Attend ECO debr ef ng sess on mmed ate y fo ow ng emergency or emergency exerc se.
Wardens (if appointed)	<p>Pre-Emergency Responsibilities</p> <ul style="list-style-type: none"> Carry out safety pract ces (e.g. clear egress paths, access to first-attack firefighting equipment and disposal of rubbish) within area of respons b ty Ensure persona ECO dent f cat on s ava ab e Attend tra n ng and emergency exerc ses as requ red by the EPC/Ch ef Warden. <hr/> <p>During Emergency Responsibilities</p> <ul style="list-style-type: none"> Check that any fire doors/emergency doors are properly closed (if appropriate) Ensure that access for emergency serv ces s made ava ab e f d rected by Area Warden or Ch ef Warden In case of evacuat on, ensure that area of respons b ty has been cleared of occupants Ensure orderly flow of people into protected areas Ass st occupants with d sab t es Lead groups of people to the nom nated refuge area Commun cate status to Ch ef Warden or Area Warden. <hr/> <p>Post-Emergency Responsibilities</p> <ul style="list-style-type: none"> Comp e a report of the act ons taken and any def c enc es observed n the emergency response procedure and d scuss with Ch ef Warden n the debr ef Attend ECO debr ef ng sess on mmed ate y fo ow ng emergency or emergency exerc se.

7.4 ECO Identification Apparel

ECO members will be identified through coloured apparel that will be at least one of the following:

- Helmets
- Caps
- Hats
- Vests
- Tabards.

The Project ECO will be identified by coloured helmets as shown in Table 7-2.

Table 7-2: ERT Identification Colours

Role	Identification Colour
Chief Warden	White Helmet
Warden	Red Helmet
First Aid Officer	Green Helmet with a white cross

The standard ECO identification colours for each role are specified in Table 7-3 below.

Table 7-3 Standard ECO colours as per AS 3745-2010

ECO position	Colour	AS 2700	RGB	CMYK
Chief warden	White	N14	255, 255, 255	0, 0, 0, 0
Deputy chief warden	White	N14	255, 255, 255	0, 0, 0, 0
Communications officer	White	N14	255, 255, 255	0, 0, 0, 0
Floor/area warden	Yellow	Y26	255, 215, 0	0, 16, 100, 0
Warden	Red	R13	227, 66, 52	0, 71, 77, 11
First aid officers	Green†	G21	14, 171, 114	62, 0, 22, 33

† White cross on a green background.

8 TRAINING ARRANGEMENTS

The EPC will arrange for the following training to be provided:

- For at least one member of the EPC, to enable the EPC to competently execute its obligations as detailed in Section 8.1
- For the ECO in accordance with Section 8.2
- For facility occupants and visitors in accordance with Section 8.3.

8.1 EPC Training

The EPC will ensure that all members of the EPC are competent to perform their responsibilities.

EPC training can be attained via an external educational organization that specializes in fire safety and emergency training. EPC training courses are available in online and face-to-face contexts through registered training organizations. Beyond the general EPC training provided by an external training organization, EPC training will also include reviewing this ERP and the relevant emergency response procedures. This training will be conducted when members are appointed to the EPC.

The training provided to EPC members will address:

- Developing, managing and maintaining an emergency plan
- The duties of the EPC (Section 6.1) and ECO (Section 7.3) as detailed in the Emergency Response Procedures (Section 4)
- Undertaking site-specific emergency identification and analysis
- Management of appropriate documentation
- Management and development of assessment activities
- Development and implementation of a training program
- Emergency mitigation, emergency preparedness and emergency prevention
- Emergency exercises / drills
- Life and fire safety systems, communication systems, notifications and warnings
- Liaison with Emergency Services
- Post-evacuation management.

8.2 ECO Training

The EPC will make arrangements for all ECO members, including nominated deputies, to be trained to develop the skills and knowledge necessary to undertake the duties set out in the emergency response procedures as detailed in Section 4 of this ERP. This training may include the transfer of knowledge from current ECO members to newer members, or where appropriate may include an external training course provided by a registered training organisation.

The EPC and/or Chief Warden will ensure that sufficient personnel are trained in all positions within the ECO to allow for projected absences due to illness, personal leave etc.

8.2.1 All ECO Members

The training for all ECO members will address:

- The emergency response procedures detailed in Section 4 of this ERP
- The roles and responsibilities outlined in Section 7.3 of this ERP
- Responding to alarms and reports of emergencies

- Reporting emergencies
- Training Programs
- Communication during emergencies
- Pre-emergency activities – emergency exercises / drills
- Emergency activities
- Post-emergency activities
- Personnel and visitors with disabilities and Personal Emergency Evacuation Plans (PEEPs)
- Human behaviour during emergencies
- Use of installed emergency response equipment.
- Wardens that are required to have a role in traffic control will undergo appropriate training and be certified as competent prior to their assignment to undertake traffic management. The minimum requirement is to have satisfactorily completed the RMS's training package – Traffic Control Using a STOP/SLOW bat.

8.2.2 Chief Wardens and Deputies

Chief Warden/s and their deputies will undertake additional training for the following:

- Their specific role in the emergency response procedures
- Duties of the EPC as detailed in Section 6.1 of this ERP
- Decision-making, command and control and record keeping
- Actions for the specific emergencies contained in this ERP
- Effectively communicating during emergencies
- Liaison with Emergency Services
- Emergency exercises / drills
- Coordination of evacuation activities
- Implementation of post-emergency activities in accordance with the emergency plan
- Requirements to monitor Fire Danger Ratings in accordance with the bushfire emergency response (Section 4.11)
- Requirements to monitor daily weather forecasts using the BoM website to enable advanced preparation of potential flooding on site.

The use of formal training through a registered training organization will be considered as necessary.

8.3 Occupants and Visitors Training

All working occupants and visitors are required to undergo training as detailed in Table 7-1. Initially, this training will be provided as a part of the general induction to site and will be carried out by the relevant staff responsible for new occupant inductions. Retention of this training will be provided through appropriate signage and notices situated within the Project construction site.

Table 8-1: General Emergency Response Training Requirements

Level	Topics / Emergency Procedures Covered	Relevant persons
Visitors induction	<ul style="list-style-type: none"> • Examples of emergencies that could occur • Emergency / evacuation procedures including emergency response procedures 	Visitors

Level	Topics / Emergency Procedures Covered	Relevant persons
	<ul style="list-style-type: none"> • Recognising actual or potential incidents • Incident reporting protocols • PEEPs. 	
General induction for construction workers within the Project construction site	<ul style="list-style-type: none"> • Incident management and emergency response procedures, including: <ul style="list-style-type: none"> – Emergency response and evacuation procedures – Classification of emergency incidents based on the severity – Relevant emergency procedures / plans to be followed – What emergency services are required – What incidents are reportable to the authorities. • Incident reporting procedures in accordance with the CEMP and PIRMP, including internal notification and external notification to authorities • Personal Emergency Evacuation Plan (PEEPs). 	All workers occupying the Project construction site
Emergency Exercises	<ul style="list-style-type: none"> • All workers will be involved in Emergency Exercises as required by the EPC. This will include at minimum one Emergency Evacuation exercise annually as detailed in the Emergency Evacuation Response Procedure in Section 4.4 and Section 9.3 of this ERP • Additional exercises as arranged by the EPC and ECO. 	All workers occupying the Project construction site

8.3.1 Personal Emergency Evacuation Plan

A Personal Emergency Evacuation Plan (PEEP) is a tailored 'escape plan' for any employee, contractor, subcontractor or visitor who may not be able to reach a place of safety unaided, or within a satisfactory timeframe during an emergency situation.

The PEEP will determine the best escape plan for the employee, contractor, subcontractor or visitor in an emergency. This will be developed and reviewed together with the Chief Warden on an annual basis, or as required, when matters affecting the emergency preparedness of the Project are deemed necessary.

A PEEP may be required for people with:

- Mobility impairments
- Sight impairments
- Hearing impairments
- Cognitive impairments
- Other circumstances.

Additionally, a temporary PEEP may be required for:

- Short term injuries
- Temporary medical conditions
- Other circumstances.

All employees, contractors, subcontractors and visitors will be notified about the requirement for a PEEP during their induction training. If any person(s) require assistance evacuating, even temporarily, they will need to complete a PEEP with the Chief warden at the earliest opportunity. Where a PEEP is required for an

extended period of time, the PEEP will be maintained with this Precinct-wide ERP or facility specific Warehouse Occupation Environmental Management Plan (WOEMP) (whichever is more appropriate for the specific person involved) (refer to Section 0).

A PEEP template can be found in Appendix C.

8.4 Skills Retention

8.4.1 ECO Skills Retention

ECO members will attend skills retention activities at intervals not greater than six months. Activities will be determined by the EPC and in the ERP as required for the facility. Training will include revision of roles and responsibilities as set out in the ERP. Include instructions on operation of the communications system (if installed). This training can include tabletop and evacuation exercises.

Table 8-2 outlines the schedule of training required to keep all ECO members up to date with changing legislative requirements and updated procedures or changes across the Precinct.

Table 8-2: ECO Training Schedule

Type	Initial Training	Skills retention exercise
Responsibilities and procedures	On appointment	Every six months, or in accordance with any relevant updates to the emergency response procedures (whichever is sooner). Will include refresher on roles and responsibilities and include emergency response procedures. Could also include Emergency Response Exercises.
First Aid	On appointment	Every three years, or as required
Fire Extinguisher Training	On appointment	Every two years, or as required
Assisting people with disabilities evacuate	On appointment	As required
RMS training package – Traffic Control Using a STOP/SLOW bat	On appointment	Every three years, or as required
Communications System (if installed)	On appointment	As required

8.4.2 Occupants Skills Retention

Occupant skills retention will occur annually. Occupant skills retention training will address:

- Responding to alarms and reports of emergencies
- Personal emergency evacuation plans (where in place)
- Procedures for specific emergencies as contained in the emergency response procedures
- Emergency response exercises
- Identification of ECO members.

8.5 Training materials

The ECO and occupants will be supplied with training materials appropriate to each person's role and level of responsibility as determined by this ERP. Training materials will be site specific. Materials will be supplied in format that can be comprehended by the recipient including, printed, electronic, braille etc. as specified in Section 6.7 of AS 3745-2010. As a minimum, training materials will include the information contained in the Emergency Response Procedures and any relevant Evacuation diagrams.

9 EMERGENCY RESPONSE EXERCISES

A program of site-specific emergency response exercises will be developed by the EPC to determine the effectiveness of the emergency response procedures, ECO actions and occupants' response, both when first developed and on an ongoing basis.

Emergency response evacuation drills will be held at least once yearly. A whole of Project site evacuation exercise will be carried out annually as detailed in Section 9.3.1. Other response procedures will be reviewed and refreshed with the ECO as required to maintain skills retention as detailed in Section 8.4.1.

The involvement of general workers in the other emergency response exercises (other than the evacuation) can be determined at the discretion of the EPC and/or Chief Warden on an as needs basis as detailed in Section 9.3.2.

9.1 General Emergency Response Exercise Requirements

The following will apply for all emergency response exercises:

- Emergency response exercises will be consistent with the identified emergencies in Section 4 of this ERP
- Simple objectives and outcomes for emergency response exercise will be identified. (e.g. gauge ECO response and to identify any deficiencies in communication system, training, emergency procedures or their implementation)
- The ECO will be briefed in advance of the exercise so that they are appropriately prepared to carry out their respective duties
- Observers will be appointed for all exercises and they will use a checklist to records details of the response exercise (observers will employ the checklist provided at Appendix D to take notes on the action of the ECO members and occupants during an exercise)
- Debriefing will be conducted by the Chief Warden immediately following exercise with the ECO members and other key participants. The observer's checklists will be analysed, and deficiencies reported to the EPC
- A report will be forwarded to the EPC following each emergency response exercise. It will detail any deficiencies in the exercise that were identified at debriefing session.
- Should an actual emergency occur during an emergency response exercise, a pre-determined word or phrase, such as "THIS IS NOT A DRILL", will be communicated to all ECO members. The word or phrase will signify that the exercise has been terminated and that the ECO are to stand by for further instruction.

9.2 Initial Testing and Implementation

Once the EPC has established that the emergency response procedures are satisfactory and workable and the ECO has been trained, the emergency response procedures will be tested within the first 12 months. The first emergency response exercise will be an evacuation exercise as detailed in Section 4.4¹. Where possible, all occupants and ECO members will have participated in an evacuation exercise in the first 12 months of the implementation of the emergency response procedures.

¹ Given the size of the Project construction site, a partial evacuation may take place in the first place to test the response procedures and the ECO members.

9.3 Ongoing Program

9.3.1 Emergency Evacuation Exercises

Emergency evacuation drills will be conducted to ensure that all occupants are aware of, trained and proficient in the emergency response procedures, assembly points and evacuation routes relevant to their working areas of the Project site.

Additionally, any person(s) with a PEEP will also participate in the evacuation exercise, following the procedures outlined in their individual plans.

At a minimum, one full site evacuation exercise will be held in a 12-month period. Evidence of the exercise and the reports from the debriefing sessions will be kept by the EPC and any deficiencies will be addressed in a review of the relevant ERP procedures.

9.3.2 Other Emergency Response Procedure Exercises

In addition to the annual emergency evacuation exercise detailed in Section 8.3.1, the EPC and Chief Warden will establish a schedule for carrying out the other Emergency Response Procedures detailed in Section 3.

9.3.3 ECO Briefing Prior to Emergency Exercises

In advance of any emergency response exercise, the Chief Warden will brief the remainder of the ECO. The briefing may address, but not be limited to the following:

- The location of the planned scenario
- The identity of the wardens
- The identity of person(s) with PEEPs
- The type of alarms and alarm system
- Actions that the ECO is to take in response to the alarm signals
- The method of reporting emergencies
- The location of the staging area on the occupants' area if applicable
- The evacuation routes to be taken
- The location of assembly or designated alternative areas that provide safe refuge, internally or externally
- Occupants who have approved exemptions prior to the exercise
- Notification of any current temporary hazards with the facility and known systems failure relating to relevant systems and equipment
- What is required at completion of the exercise (e.g. debriefing and reporting).

10 REVIEW AND ROUTINE SERVICING

The EPC will ensure that this ERP and associated elements are inspected, tested and routinely serviced.

Any deficiency in the ERP or associated elements will be reported to management or the EPC at the completion of the inspection or testing and will be rectified with the minimum of delay. Records will be kept of all inspection, testing and routine servicing activities as outlined in the tables below.

Elements which require six-monthly review are detailed in Table 10-1.

Table 10-1 Six-monthly inspection test and records schedule

Item	Action required and pass/fail requirement	Records		
		Result	Pass/ Fail	Comments
Emergency control Organisation (ECO)	INSPECT the ECO list and check for compliance with the emergency plan			
Emergency Evacuation Equipment	INSPECT the emergency evacuation equipment and check for compliance with the emergency plan.			
Training	INSPECT training records and check for compliance with the emergency plan.			
Emergency control Organisation (ECO)	TEST the ECO for relevance to the Facility by initiating an alarm and checking the response for compliance with the emergency procedures.			
Evacuation diagrams	INSPECT the emergency response diagrams for relevance and check for compliance with the emergency plan.			
Assembly areas	INSPECT the nominated assembly area(s) and test for relevance to the Facility and compliance with the emergency plan.			
Emergency response procedures	INSPECT the emergency procedures testing for relevance to the Facility or to a nominated incident covered by the emergency procedures by conducting an evacuation exercise.			

Elements which require annual review are detailed in Table 10-2.

Table 10-2 Yearly inspection test and records schedule

Item	Action required and pass/fail requirement	Records		
		Result	Pass/Fail	Comments
Emergency Response Plan (this plan)	INSPECT the emergency plan and check for relevancy to the Facility.			
Evacuation Exercise	INSPECT evacuation exercise records and check for compliance with the emergency plan.			

10.1 Additional Triggers for Review

The following triggers will initiate a review of the ERP to check its ongoing relevance to the Project construction site:

- A deficiency in the plan or emergency procedures has been reported to the EPC
- Commencement of new operational area within the Project site
- At other times when matters affecting the emergency preparedness are deemed necessary
- Annual review period lapsed
- Expiration of the validity period of the ERP
- Changes in legislation, regulations and standards that may require amendments / revisions to the ERP.

The review of the ERP will consist of checking that the emergencies identified in the ERP, and the corresponding Emergency Response Procedures, remain current for the Project construction site. This review will also ensure that all potential emergencies have been appropriately addressed.

10.2 Communication System Checks

Where a communication system is installed, regular monthly checks will be carried out to confirm appropriate functionality. The EPC will nominate the responsible person(s) for undertaking these checks. Records will be retained by the EPC.

APPENDICES

APPENDIX A PLANNING CONTEXT

A1. LEGAL AND OTHER OBLIGATIONS

Details about the legislation, planning instruments and guidelines considered during development of this plan are listed below, with specific details provided in the Legislation Register within Appendix A of the CEMP.

- Environment Protection and Biodiversity (EPBC) Act 1999 (Commonwealth)
- Environmental Planning and Assessment Act 1979
- Environmental Planning and Assessment Regulation 2000
- Fisheries Management Act 1994
- Protection of the Environment Operations (Clean Air) Regulation 2010
- Protection of the Environment Operations (POEO) Act 1997
- Protection of the Environment Operations (Waste) Regulation 2014
- Rural Fires Act 1997.

A2. DEVELOPMENT CONSENT

The Project has been approved under both the *Environmental Planning and Assessment Act 1979* (EP&A Act) and the EPBC Act. Both these approvals have environmental conditions relevant to the construction works for the Project, which are discussed below.

A2.1 EPBC Act Approval

The EPBC Act approval for the MPW Concept was granted by DotEE in September 2016 (No. 2011/6086). This approval was provided for the impact of the MPW Project on listed threatened species and communities (Sections 18 and 18A of the EPBC Act) and Commonwealth action (Section 28 of the EPBC Act).

The construction methodologies for the Project have been designed to be consistent with the EPBC Act Approval (EPBC 2011/6086) conditions, where relevant. The EPBC Act Approval does not include any specific requirements for an emergency response plan in the CoA. However, the EPBC Act Concept Approval REMMs have a group of mitigation measures relating to bush fire risk (REMM 7L – 7U), the majority of which are addressed in the MPW Stage 2 Bushfire Risk Management Plan (BRMP), The requirement for a fire safety and evacuation plan (as per REMM 7T) is addressed in Section 4.11 of this ERP.

This ERP is prepared in conjunction with the CEMP for MPW Stage 2 which is required under CoA 2 (EPBC 2011/6086) and Stage 3.

A2.2 EP&A Act Approval

The MPW Stage 2 Project is being delivered under Part 4, Division 4.7 of the EP&A Act having received approval (SSD 7709) on 11 November 2019 followed by MOD1 approved on 24 December 2020. The CoC include requirements to be addressed in this ERP and delivered during the Project. These requirements, where and how they are addressed, are provided within Table 10-3.

Table 10-3: CoC of SSD 7709 (MPW Stage 2)

CoC	Requirement	Sections or documents where requirements addressed
Primary		
B194	Prior to the commencement of construction and operation, the Applicant will prepare an Emergency Response Plan(s) covering, but not limited to, flooding and bushfire. The Emergency Response Plan(s) will be consistent with <i>Australian Standard AS3745 2010</i>	This Emergency Response Plan follows the required layout as specified in Section 3 of AS 3745-2010. Bushfire procedure addressed in Section 4.11

CoC	Requirement	Sections or documents where requirements addressed
	<i>Planning for Emergencies in Facilities</i> and include details of:	Flooding procedure addressed in Section 4.12
	(a) assembly points and evacuation routes	Section 5 Figure 5-1
	(b) evacuation and refuge protocols; and	Section 4.4 Section 4.11 Section 4.12
	(c) awareness training for employees and contractors	Section 8

The MPW Stage 3 Project (SSD 10431) has been assessed by DPIE under Part 4.7 of the *Environmental Planning and Assessment Act 1979* (EP&A Act). The Independent Planning Commission granted approval for the MPW Stage 3 Project on 11 May 2021. The CoC include requirements to be addressed in this ERP and delivered during the Project. These requirements, where and how they are addressed, are provided within Table 10-4.

Table 10-4: CoC of SSD 10431 (MPW Stage 3)

CoC	Requirement	Sections or documents where requirements addressed
B23	The Flood Emergency Response Sub-Plan (FERSP) must address, but not be limited to, the following:	
	(a) be prepared by a suitably qualified and experienced person	See Page (ii) at the front for author qualifications.
	(b) Address the provisions of the Flood Plain Risk Management Guidelines (EESG)	This plan has been developed in line with the principles detailed within the Floodplain Development Manual and Flood Emergency Response Planning Classification of Communities, Floodplain Risk Management Guideline, OEH 2007. See Section 4.12 for more details.
	(c) include details of:	
	i. the flood emergency responses for Construction phases of the development;	The management measures describe actions to be taken pre, during and post flood during construction.
	i. predicted flood levels;	The 1% AEP and PMF are described in predicted flood levels Section 4.12.1 with 100% ARI shown in Figure 4.1.
	ii. flood warning time and flood notification;	Flood warning response times and notification are outlined in Section 4.12.1.

CoC	Requirement	Sections or documents where requirements addressed
	iii. assembly points and evacuation routes;	Figure 5.1 shows the assembly points and evacuation routes.
	iv. evacuation and refuge protocols; and	Section 4.12.3 details the process undertaken to evacuate the site and keep staff safe.
	v. awareness training for employees and Contractors, and users/visitors	Section 8.1 describes the training that will be conducted in addition to the project induction which is attended by all staff.

The Final Compilation of Mitigation Measures (FCMMs) were presented with the MPW Stage 2 Consolidated Responses (Arcadis, 2019). A list of the FCMMs as relevant to this ERP and reference to where they have been addressed re provided in Table 10-4. The FCMM, revised for relevance to the MPW Stage 3 project, were provided as Appendix 3 of the SSD-10431.

Table 10-4: SSD 7709 (MPW Stage 2) FCMM

FCMM	Requirement	Sections or documents where requirements addressed
0B	The Construction Environmental Management Plan (CEMP), or equivalent, for the Proposal would be based on the PCEMP (Appendix I of this EIS), and include the following preliminary management plans:	Refer to CEMP
	Flood Emergency Response and Evacuation Plan	Section 4.12
1A	A Construction Traffic Management Plan (CTMP) would be prepared based on the Preliminary Construction Traffic Management Plan (Appendix M of the EIS), detailing management controls to be implemented to avoid or minimise impacts to traffic, pedestrian and cyclist access, and the amenity of the surrounding environment. The following key initiatives would be included in the CTMP: <ul style="list-style-type: none"> Facilitating emergency vehicles access to the site 	Section 4.2 Refer to CTAMP
5E	A Flood Emergency Response and Evacuation Plan, or equivalent, would be prepared and implemented for the construction phase of the Proposal to allow work sites to be safely evacuated and secured in advance of flooding occurring at the Proposal site. The plan would be prepared in consultation with the State Emergency Service	Section 4.12 Evidence of consultation in Appendix F
7A	The following measures would be included in the CEMP (or equivalent) to minimise hazards and risks:	
	<ul style="list-style-type: none"> Procedures for safe removal of asbestos 	Refer to CEMP
	<ul style="list-style-type: none"> Provision for safe operational access and egress for emergency service personnel and workers would be provided at all times 	Section 4.1 and 4.2
	<ul style="list-style-type: none"> An Incident Response Plan that would include a Spill Management Procedure. 	Section 4.10

FCMM	Requirement	Sections or documents where requirements addressed
13A	The following actions would be considered for implementation, where reasonable and feasible, for mitigation of bushfire risk during construction:	
	<ul style="list-style-type: none"> • A bushfire management strategy, or equivalent, would be prepared as part of the CEMP for the construction phase. The strategy would include: 	Refer to Bushfire Risk Management Strategy
	<ul style="list-style-type: none"> – Emergency response plans and procedures 	Section 4.11
	<ul style="list-style-type: none"> – All site offices and temporary buildings would have a minimum setback of 10 m to bushfire prone areas 	Figure 2-2 Refer to Bushfire Risk Management Strategy
<ul style="list-style-type: none"> – All site offices would be accessible via access roads suitable for firefighting appliances similar to NSW Rural Fire Service category 1 tankers. 	Refer to Bushfire Risk Management Strategy	

A2.3 Additional standards and guidelines

Additional legislation, standards and guidelines relating to emergency response include:

- Australian Emergency Manuals Series, Manual 20: Flood Preparedness, Commonwealth of Australia 2009
- Australian Emergency Manuals Series, Manual 21: Flood Warning, Commonwealth of Australia 2009
- Australian Emergency Manuals Series, Manual 22: Flood Response, Commonwealth of Australia 2009
- Australian Standard AS3745:2010 - Planning for Emergencies in Facilities
- Australian Standard 2444:2001 - Portable fire extinguishers and fire blankets - Selection and location
- Australian Standard AS 1940: The Storage and Handling of Flammable and Combustible Liquids
- Development Planning – A Guide to Developing a Bush Fire Emergency Management and Evacuation Plan, December 2014
- Flood Emergency Response Planning Classification of Communities, Floodplain Risk Management Guideline, OEH 2007
- New South Wales State Disaster Plan (DISPLAN 2010), State Emergency Management Committee, 2010
- NSW Government's Floodplain Development Manual, DIPNR 2005
- Planning for Bush Fire Protection 2006 – NSW RFS
- Standards for Asset Protection Zones – NSW RFS
- Stormwater and Flooding Report, MPE Stage 2 EIS, Arcadis, 2017.

Where updated or revised versions of guidelines, protocols, Standards or policies, or a replacement of them are available, the most recent versions should be applicable to this Plan.



APPENDIX B PRELIMINARY RISK ASSESSMENT

Ref	Activity/Process/Situation	Hazardous Event	Details/Context/Cause	Likelihood	Consequence	Inherent Risk Rating	Risk Control Measures in Place	Likelihood	Consequences	Residual Risk Rating
1	Hazardous substances and small quantity dangerous goods	Fire or chemical reaction	Small quantities of other general hazardous substances and dangerous goods on site. Potential for incompatible goods to react chemically.	Possible	Moderate	M15	<ul style="list-style-type: none"> All materials to be stored in Hazardous Substances Register (including dangerous goods) and included in a folder with SDS for all products Fire extinguishers and spkits on site Quantities stored on site to be kept to a minimum Items to be stored on bunding Incompatible goods to be separated. Maintain the quantity of dangerous goods during construction below the screening threshold quantities and movements under State Environmental Planning Policy 33 	Rare	Moderate	L6
		Spill	Small spill to ground due to inappropriate storage or decanted – environmental contamination over time.	Possible	Minor	L9	<ul style="list-style-type: none"> As above Care to be taken when decanting products to avoid spills. 	Possible	Minor	L9
2	Electrical equipment	Electrocution	Faulty electrical equipment Electrical equipment used in wet conditions.	Possible	Critical	H22	<ul style="list-style-type: none"> All electrical equipment is tested in accordance with manufacturer specifications, and/or as required by legislation. 	Rare	Critical	L12
		Fire	Faulty electrical equipment.	Possible	Moderate	M15	<ul style="list-style-type: none"> As above. 	Rare	Moderate	L6
3	Construction plant, heavy vehicle or light vehicles	Fire	Malfunction of electrical parts Overheating of plant.	Unlikely	Moderate	L10	<ul style="list-style-type: none"> Pre-start checks on mobile equipment and work request system for faults Preventative maintenance programs in place. 	Rare	Moderate	L6
		Plant collision	Light vehicles and heavy vehicles operating in construction areas. All vehicles are operating at low speeds.	Possible	Minor	L9	<ul style="list-style-type: none"> Two-way communication between all operators MIC2-QPMS-EN-PLN-0003 Construction Traffic and Access Management Plan Driver's Code of Conduct. Site induction in place 	Unlikely	Minor	L10

Ref	Activity/Process/Situation	Hazardous Event	Details/Context/Cause	Likelihood	Consequence	Inherent Risk Rating	Risk Control Measures in Place	Likelihood	Consequences	Residual Risk Rating
							<ul style="list-style-type: none"> Heavy vehicles to stay within designated haulage routes and pathways. 			
		Pedestrian Interaction	<p>Drivers need to leave truck cabin to undo towst rucks on trailers.</p> <p>Pant operators walking to and from pant.</p> <p>Potential for unauthorised persons in area.</p>	Possible	Major	H20	<ul style="list-style-type: none"> Two-way communication between operators MIC2-QPMS-EN-PLN-0003 Construction Traffic and Access Management Plan Driver's Code of Conduct Site induction in place Heavy vehicles to stay within designated pathways High Vs Person Protective Equipment Speed limited marked. 	Unkey	Major	M16
		Environmental Sp	Fuel spill due to hose failure, maintenance activities on site or refuelling of vehicles.	Key	Minor	M13	<ul style="list-style-type: none"> Preventative maintenance program in place Pre-start checks on mobile equipment and work request system for faults Spills available. 	Possible	Minor	L9
	Personnel Medical Emergency	Medical Emergency	Person collapses on site or experiences a personnel medical emergency	Unkey	Moderate	L10	<ul style="list-style-type: none"> First aid trained personnel First aid equipment. 	Unkey	Moderate	L10
	General construction	Localized flooding event	Extended rainfall or significant rainfall event could cause localized erosion or flooding.	Rare	Major	L11	<ul style="list-style-type: none"> Areas are graded frequently to ensure good stormwater runoff Visual inspection to be undertaken following high rainfall event to identify potential safety risks. 	Rare	Moderate	L6
		Bushfire event	Bushfire in surrounding vegetated and could impact on MPW Site	Possible	Moderate	L10	<ul style="list-style-type: none"> Appropriate landscaping to maintain a low surface fuel environment BoM website to be monitored during periods of high bushfire risk. 	Unkey	Moderate	L6
		Lightning Strike	Power pole or other extended structure hit by lightning. Potential for fire.	Rare	Moderate	L6	<ul style="list-style-type: none"> Fire extinguisher on site (fire/smoulder). 	Rare	moderate	L6
	Operation of the crane	Derailment	A train derailment occurs in the southern area of the MPW Site	Rare	Critical	L16	<ul style="list-style-type: none"> First aid trained personnel Crane to be maintained in accordance with standards and regulations Best Practice technology to be implemented where feasible and reasonable 	Rare	Critical	L16

Ref	Activity/Process/Situation	Hazardous Event	Details/Context/Cause	Likelihood	Consequence	Inherent Risk Rating	Risk Control Measures in Place	Likelihood	Consequences	Residual Risk Rating
		Unauthorized Access	Gates left open, site unsecured when unattended, break in.	Possible	Minor	L9	<ul style="list-style-type: none"> Securing fencing around site. Secure access Facility Security present on site. 	Unlikely	Minor	L5
		Drowning	Persons entering a water body	Unlikely	Major	M16	<ul style="list-style-type: none"> Fencing used to limit access Depth indicators and hazard signage provided Floatation devices are available to render assistance Temporary measures to allow people to walk or climb out of construction basins. 	Unlikely	Major	M16
		Structural Collapse	Structural collapses of ancillary facilities	Rare	Critical	L16	<ul style="list-style-type: none"> Site induction in place First aid trained personnel Best Practice technology to be implemented where feasible and reasonable Preventative maintenance programs in place. 	Rare	Critical	L16



APPENDIX C PERSONAL EMERGENCY EVACUATION PLAN TEMPLATE

PERSONAL EMERGENCY EVACUATION PLAN



Relevant Details

Occupant Name:

Location:

Work Area/Building/Facility:

Floor:

Room Number:

Is an Assistance Animal involved? Yes No

If yes, please describe (e.g. guide dog)

Have you been trained in, or made aware of, the emergency evacuation procedures?

- Area Induction: Yes No
- Personal Evacuation Procedure: Yes No

Have you practised the egress procedure? Yes No

Awareness of Emergency

How do you wish to be informed of a building evacuation?

- Existing alarm system
- In person communication
- Mobile Phone
- Visual alarm system
- Pager/vibrating device
- SMS
- Other device or method (please specify)

How would you like to receive evacuation procedure updates?

- Email
- Personal update
- Braille
- Text
- Other (please specify)

What type of assistance do you require?

- Walking guidance or aid
- Wheelchair assistance
- Other (please specify)



What equipment will you require that emergency services should be aware of?

- Manual wheelchair
- Harness
- Other (please specify)

Egress Procedure

By what method and by which evacuation route(s) will you be evacuated?

(Step-by-step details – add steps if required)

1.
2.
3.
4.

Where is your alternative safe refuge?

.....

If possible, please attach diagram of preferred route for assisted evacuation (location of person requiring assistance, alternative safe refuge and the path of travel to a place of safety to be shown).

Designated Assistance

Name:

Room:

Telephone Number:

Assistance Provided:

Name:

Room:

Telephone Number:

Assistance Provided:

Are your designated assistants trained in the emergency response procedures (including the evacuation procedures)?

Yes No

Are your designated assistants trained in the evacuation equipment?

Yes No

PEEP monitoring and review

Issue Date: / /

Review Date: / /

Occupant approved: Date: / /

(signature)

Chief Warden: Date: / /

(signature)



APPENDIX D EMERGENCY EVACUATION EXERCISE OBSERVERS' CHECKLIST



EMERGENCY EVACUATION EXERCISE OBSERVER'S CHECKLIST

DATE:
ADDRESS:
AREA OF MLP WEST PRECINCT:

EVACUATION SEQUENCE	TIME	
	HOURS	MINUTES
Alarm sounded		
Warden(s) respond		
Evacuation commenced		
Wardens report floor or area cleared		
Persons with disabilities accounted for		
Arrive at assembly area, safe place		
Wardens check personnel present (where appropriate)		
Evacuation completed		
Exercise terminated		

COMMENTS:.....
--

OBSERVER NAME:
SIGNED:



APPENDIX E BOMB THREAT CHECKLIST

TELEPHONE BOMB THREAT CHECKLIST



REMEMBER KEEP CALM – DO NOT HANG UP

Name (print)
elephone number
Signature

General Questions to Ask:

1. What is it?
2. When is the bomb going to explode?
3. Where did you put the bomb?
4. When did you put it there?
5. What does the bomb look like?
6. How will the bomb explode?
7. Why did you place the bomb?
8. Did you place the bomb?
9. What is your name?
10. Where are you?
11. What is your address?

Chemical/Biological Threat Questions:

1. What kind of substance is in it?
2. How much of the substance is there?
3. How will the substance be released?
4. Is the substance liquid, powder or gas?

Bomb Threat Questions:

1. What type of bomb is it?
2. What is in the bomb?
3. What will make the bomb explode?

Caller's Voice:

Accent (specify):
Impediments (specify):
Voice (loud, soft etc):
Speech (fast, slow etc):
Diction (clear, muffled):
Manner (calm, emotional):
Did you recognise the caller?
If so, who do you think it is?
Was the caller familiar with the area?

Threat Language:

Well-spoken Incoherent Abusive
Spontaneous Tape recording Read from script
Did you tape the threat?

Background Noises:

Street Noises:
House noise:
Aircraft:
Voices:
Music:
Machinery:
Other:
Local Call :
STD Call :

Other:

Sex of Caller M F
Estimated Age:
Callers number if obtainable:

Exact wording of threat:

Call:

Date: Time: Duration:
Number Called:

APPENDIX F CONSULTATION

As required by FCMM 5E (SSD 7709) the flood emergency response procedure should be prepared in consultation with the State Emergency Service (SES). Evidence of this consultation is included in Table 10-5.

Table 10-5: Stakeholder Consultation Summary

Agency	Date	Person contacted	Comment	Status
State Emergency Service (SES)	28 October 2019	■■■■	SES acknowledged receipt of email request and phone call. Noted that SES will review and contact Tactica	Active
State Emergency Service (SES)	5 November 2019	■■■■	Tactica received written correspondence from Marla Frazer stating that they do not have any jurisdiction over private food evacuation plans. However, SES will include the Moorebank area when developing local food plan and emergency strategies for the area. No further inputs required from SES.	Resolved.



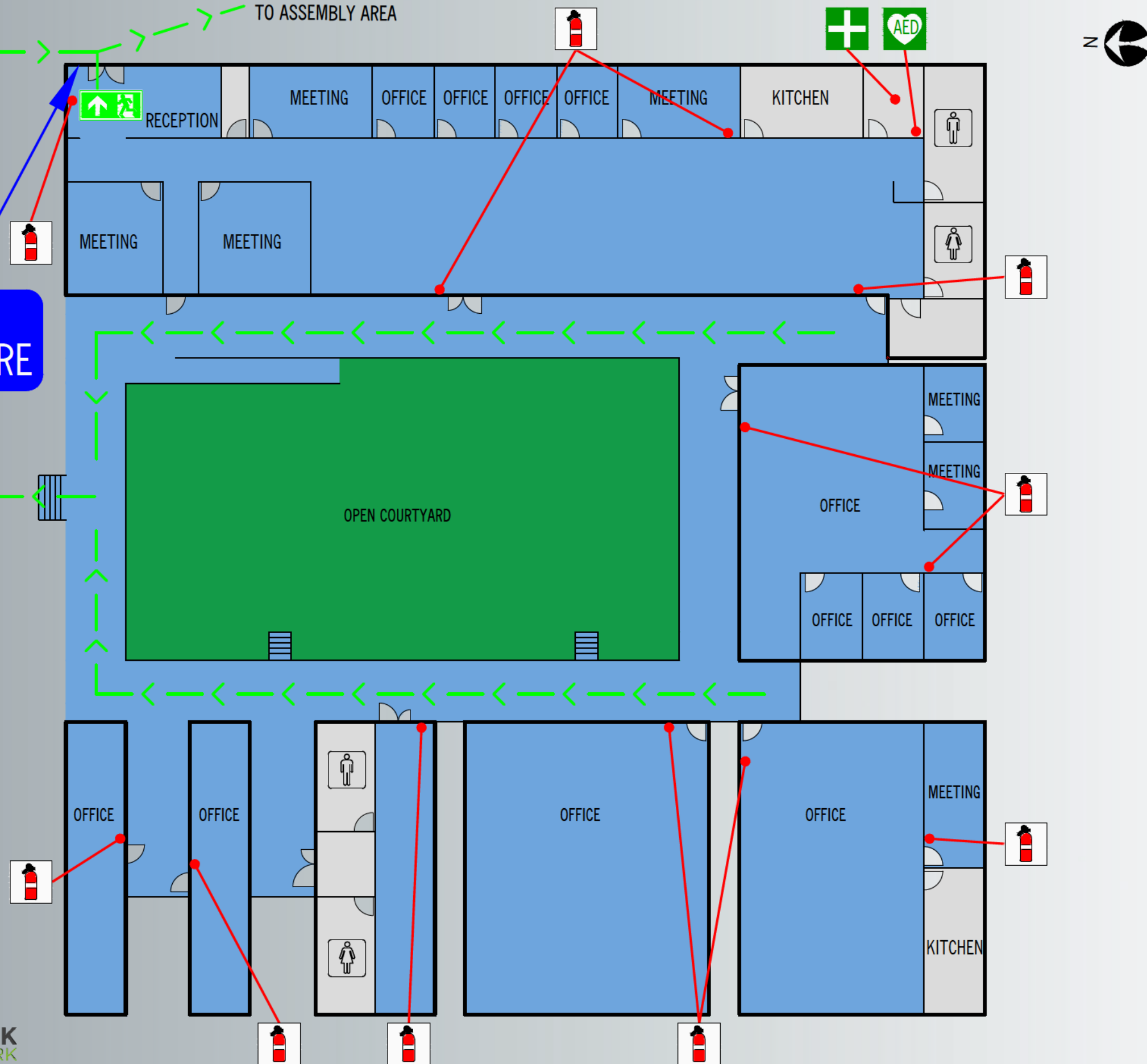
APPENDIX G EVACUATION DIAGRAM

EVACUATION DIAGRAM

DIAGRAM NOT TO SCALE

TO ASSEMBLY AREA

YOU ARE HERE



MOOREBANK LOGISTICS PARK - WEST PRECINCT
MOOREBANK AVENUE,
MOOREBANK
NSW 2170

ISSUED: DEC. 2019 REVIEW: DEC. 2024 VERSION: 1

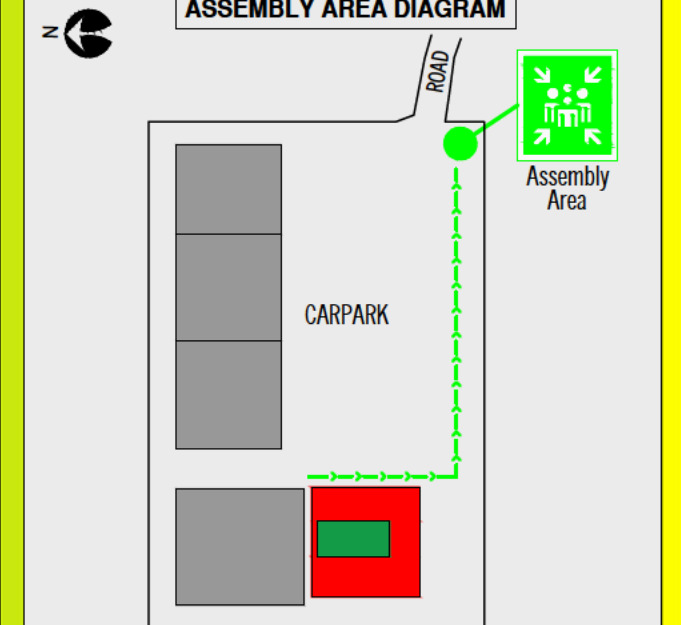


EMERGENCY PROCEDURES
 WHEN YOU DISCOVER DANGER OR HEAR A FIRE ALARM

REMEMBER RACE...!

- R**emove people from the immediate danger area (Do not obstruct Exits or Exit Routes)
- A**lert others in the vicinity of the fire or danger
Raise the Alarm, Dial 000 and ask for Fire Brigade
- C**onfine fire and smoke or other threat of danger
Close all doors behind you and where practicable, windows
- E**xtinguish or Evacuate
Only if trained and safe to do so, attempt to extinguish the fire

ASSEMBLY AREA DIAGRAM



- LEGEND
- EMERGENCY EXIT
 - FIRE EXTINGUISHER (DRY CHEMICAL)
 - AUTOMATIC EXTERNAL DEFIBRILLATOR
 - FIRST AID KIT

FSA
 FIRE SERVICES AUSTRALIA
 FIRE SERV CES AUSTRALIA PTY LTD
 4/28-30 L LIAN FOWLER PLACE
 MARRICKVILLE NSW 2204
 1800857347 - fsafire.com.au

Emergency and Evacuation Location Plan Bapaume Rd Compound

