

BUSHFIRE EMERGENCY AND EVACUATION PLAN

Moorebank Precinct East Stage 2

19 MARCH 2021

SYDNEY INTERMODAL TERMINAL ALLIANCE MOOREBANK PRECINCT EAST STAGE 2

Bushfire Emergency and Evacuation Plan

Current Revision Author Zachary Quintal

Checker Heather Tilley

Approver Heather Tilley

Report No SSS2-QPMS-EN-APP-00033

Date 19/03/2021

Revision Text 011

Original Author Details

Original Author Details	Qualifications and Experience
Tayla Edmunds Level 16/580 George Street Sydney NSW 2000	BSc Geology/Geophysics and Environmental Science BA Archaeology and Anthropology Tayla has 3 years' experience in environmental management predominantly specialising in construction, demolition and operational waste management for large infrastructure projects.
Graham Swain Australian Bushfire Protection Planners Pty Ltd 32 Old Dog Trap Rd Somersby NSW 2250	Graham has 43 years' experience in bushfire protection, operations and planning and for the past 18 years as a private bushfire consultant operating in NSW, ACT, Victoria, Western Australia and Queensland on more than 3000 developments. He has extensive experience in the preparation of bushfire risk assessment, fuel management plans, fire management, Local Environmental Plans and Development Control Plans. He has undertaken a variety of courses through the NSW Rural Fire Service including 41A (Bushfire Emergency) Planning Course and Basic Rural Fire Fighter Course and the Australian Fire Protection Association. He has been the Department of Bushfire Service representative on several regional council Bushfire Committees including Port Stephens, Cessnock, Singleton, Lake Macquarie and was involved in the preparation of the ACT Bushfire Risk Mitigation Guideline.

REVISIONS

Revision	Date	Description	Prepared by	Approved by
001	9/02/2018	Submission for ER review	TE / GS	KP / GS
002	3/04/2018	Update with ER comments	KN	SB
003	14/06/2018	Update with minor ER comments	ZQ	KP
004	27/09/2018	Updated to reflect issue of Moorebank Precinct EPL and RfMA 002	ZQ	KP
005	07/01/2019	Minor updates associated with 'non-conformance,' 'non-compliance' and 'corrective and preventative actions' (RfMA 007)	JH	HT
006	25/10/2019	Minor updates associated with: <ul style="list-style-type: none"> RfMA 02A – Additional construction compounds to support warehouse construction RfMA 008 – MAUW construction compound RfMA 012 – Additional temporary construction access points RfMA 014 – Suitable spoil importation RfMA 015 – Moorebank Precinct EPL RfMA 019 – Clarification of definitions for Early Works and Construction Phase A activities RfMA 021 – New parking area 	ZQ	AL
007	21/11/2019	Updates to address ER comments; removal of Construction Phase A updates associated with RfMA 019 and minor updates associated with RfMA 016 – Temporary access time extension.	ZQ	JC
008	20/12/2019	Updated to address ER comments, and the approved CTAMP-B	ZQ	AL
009	16/01/2020	Updated to address ER comments	ZQ	JC
010	06/08/2020	Minor updates associated with: <ul style="list-style-type: none"> RfMA-018 – MAUW boundary extension SSD 7628-Mod 2 approval 	KB CS	JC AW
10a	27/08/2020	Updated to include contact details as requested by DPIE	MW	AW
11	19/03/2021	Updates associated with: <ul style="list-style-type: none"> RfMA-039 – Corrections and update to Extended Hours Works Plan, and revision to construction program RfMA-040 – Additional compound for light vehicle parking and break facilities SSD 7268 – MOD3 SSD 7628 – MOD4 		

ACRONYMS AND DEFINITIONS

Terms	Explanation
APZ	Asset Protection Zone
BEMEP	Bushfire Emergency Management and Evacuation Plan
CBMP	Construction Bushfire Management Plan
CCoA	Commonwealth Conditions of Approvals
CEMP	Construction Environmental Management Plan
CMM	Commonwealth Mitigation Measures
CoCs	Conditions of Consent
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
CPCoC	Concept Plan Conditions of Consent
DJLU	Defence Joint Logistics Unit
DP&E	Department of Planning & Environment (now DPIE)
DPIE	Department of Planning, Industry and Environment (formerly DP&E)
DNSDC	Defence National Storage and Distribution Centre
EIS	Environmental Impact Statement
ENM	Excavated natural material
EPA	Environment Protection Authority
EPBC Act	<i>Environmental Protection and Biodiversity Conservation Act 1999</i>
EPL	Environment Protection Licence
ER	Environmental Representative
ERSED	Erosion and sedimentation
EWCDWMP	Early Works Construction Demolition and Waste Management Plan
EWEMP	Early Works Environmental Management Plan
EWMS	Environmental work method statements
FCMM	Final Compilation of Mitigation Measures
GFA	Gross floor area

Terms	Explanation
IMEX	<p>Import Export Terminal. Includes the following key components:</p> <ul style="list-style-type: none"> Truck processing, holding and loading areas - entrance and exit from Moorebank Avenue Rail loading and container storage areas – installation of four rail sidings with adjacent container storage area serviced by manual handling equipment initially and overhead gantry cranes progressively. Administration facility and associated car parking- light vehicle access from Moorebank Avenue.
IMT facility	<p>The IMT facility includes the construction of the following key components together comprising the Intermodal Terminal (IMT):</p> <ul style="list-style-type: none"> Truck processing and loading areas Rail loading and container storage areas Administration facility and associated car parking.
IPA	Inner Protection Area
Km	kilometre
LGA	Local Government Area
M	metre
mAHD	metres Australian Height Datum
mg/L	Milligram per litre
Mm	millimetre
MPE	Moorebank Precinct East
MPE Concept EIS	The Environmental Impact Statement prepared to support the application for approval of the MPE Concept Plan under the Environmental Planning and Assessment Act 1979.
MPE Concept Plan Approval	MPE Concept Approval (MP 10_0193), granted by DP&E 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.
MPE EPBC Approval	Commonwealth Approval (No. 2011/6229) granted in March 2014 under the Environment Protection and Biodiversity Conservation Act 1999, for the impact of the MPE Project on listed threatened species and communities (sections 18 and 18A of the EPBC Act) and Commonwealth land (sections 26 and 27A of the EPBC Act).
MPE Project	The MPE Intermodal Terminal Facility as approved under the MPE Concept Approval (MP 10_0193) and the MPE EPBC Approval (2011/6229).
MPE site	Including the former DSND 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.
MPE Stage 1 Project	MPE Stage 1 Project (SSD 6766) for the development of the Intermodal terminal facility at Moorebank. This reference also includes associated conditions of approval and environmental management measures which form part of the documentation for the approval.

Terms	Explanation
MPE Stage 2 EIS	Moorebank Precinct East Stage 2 Proposal – Environmental Impact Statement publicly exhibited between 13 December 2016 and 24 February 2017.
MPE Stage 2 Project ('the Project')	Stage 2 of the MPE Concept Approval (MP 10_0193) approved as the MPE Stage 2 Project (SSD 7628), and SSD 7628-Mod 2, SSD 7628-Mod 3 and SSD 7628-Mod 4 approvals. Includes the construction and operation of warehousing and distribution facilities on the MPE site and upgrades to approximately 2.1 kilometres of Moorebank Avenue.
MPE Stage 2 RtS	Moorebank Precinct East Stage 2 Proposal – Response to Submissions Report (July 2017), prepared in response to the submissions received regarding the MPE Stage 2 Proposal.
MPW	Moorebank Precinct West
Non-compliance	An occurrence, set of circumstances, or development that results in a non-compliance or is non-compliant with Development Consent SSD 7628 Conditions of Consent or EPBC Act Approval (EPBC 2011/6229) Conditions of Approval but is not an incident
Non-conformance	Observations or actions that are not in strict accordance with the CEMP and the aspect specific sub-plan.
OEH	Office of Environment and Heritage
OEMP	Operations Environmental Management Plan
PAC	Planning Assessment Commission
Personnel	Construction Contractor and sub-contractor's staff
POEO Act	Protection of the Environment Operations Act 1997
RDO	Rostered Day Off
RtS	Response to Submissions
SIMTA	Sydney Intermodal Terminal Alliance
SSD	State significant development
VENM	Virgin excavated natural material

CONTENTS

ACRONYMS AND DEFINITIONS	III
1 INTRODUCTION	1
1.1 Background	1
1.2 Development Consent	4
1.3 Project Delivery Phases	4
1.3.1 Early Works	5
1.3.2 Construction Works Phase A (Excluding Moorebank Avenue Upgrade Works)	6
1.3.3 Construction Works Phase B (Including Moorebank Avenue Upgrade Works)	7
1.4 Purpose and Application	7
1.5 Objectives and Targets	8
2 ENVIRONMENTAL MANAGEMENT	9
2.1 Legal and Other Requirements	9
2.1.1 Compliance Matrices	10
2.2 Roles and Responsibilities	14
2.3 Training	16
2.4 Incident Response	16
3 IMPLEMENTATION	17
3.1 Bushfire Risk	17
3.2 Facility Details	19
3.3 Emergency Planning Committee	19
3.4 Emergency Contacts	21
3.5 Sheltering (Primary)	23
3.5.1 Procedure	25
3.6 Evacuation	26
3.6.1 Refuge	26
3.6.2 Transportation Arrangements	26
3.6.3 Procedures	28
3.7 Management Measures	29
4 MONITOR AND REVIEW	33
4.1 Environmental Monitoring	33
4.2 Environmental Auditing and Reporting	33
4.3 Non-compliances, Non-conformance and Actions	33
4.4 Review and Improvement	33

APPENDICES

APPENDIX A EMPLOYEE LISTING

LIST OF TABLES

Table 1 Project Delivery Phase Terminology	4
Table 2 Objectives and Targets	8
Table 3 Legislation, Planning Instruments and Guidelines	9
Table 4 Conditions of Consent (CoCs)	10
Table 5 Final Compilation of Mitigation Measures (FCMMs)	14
Table 6 Roles and Responsibilities	14
Table 7 Emergency Planning Committee	19
Table 8 Emergency Contacts	21
Table 9 Sheltering Procedure	25
Table 10 Evacuation Procedure	28
Table 11 Management Measures	30

LIST OF FIGURES

Figure 1-1 Site Location	3
Figure 3-1 Certified Liverpool Bushfire Prone Land Map	18
Figure 3-2 Assembly Points and Evacuation Route	24
Figure 3-3 Regional Context of the Project	27

1 INTRODUCTION

The Sydney Intermodal Terminal Alliance (SIMTA) received approval for the construction and operation of Stage 2 of the Moorebank Precinct East (MPE) Project (SSD 7628), which comprises the second stage of development under the MPE Concept Consent (MP10_0193). SSD 7628 has been subject to the following modification applications:

- MPE Stage 2 Modification 2 (SSD 7628-Mod 2) application, which was approved on 31 January 2020;
- MPE Stage 2 Modification 3 (SSD 7628-Mod 3) application, which was approved on 18 December 2020; and
- MPE Stage 2 Modification 4 (SSD 7628-Mod 4) application, which was approved on 19 January 2021.

This Bushfire Emergency and Evacuation Plan (BEEP) has been developed to manage bushfire risks during the construction phase of Stage 2 of the Moorebank Precinct East (MPE) Project (hereafter, 'the Project').

Within this plan, a strategy has been established to demonstrate the Construction Contractor's approach to the management of bushfire risk. This BEEP addresses the relevant requirements of the Project Approvals, including the Environmental Impact Statement (EIS), Response to Submissions (RtS) and Minister's Conditions of Consent (CoCs), and all applicable guidelines and standards specific to the management of bushfires during construction of the Project.

1.1 Background

The MPE site, including the Project site, is located approximately 27 kilometres (km) south-west of the Sydney Central Business District (CBD) and approximately 26 km west of Port Botany and includes the former Defence National Storage and Distribution Centre (DNSDC) site. The MPE site is situated within the Liverpool Local Government Area (LGA), in Sydney's South West subregion, approximately 2.5 km from the Liverpool City Centre.

The MPE Project involves the development of an intermodal facility including warehouse and distribution facilities, freight village (ancillary site and operational services), stormwater, landscaping, servicing and associated works on the eastern side of Moorebank Avenue, Moorebank.

Stage 2 of the MPE Project (the Project) involves the construction and operation of warehousing and distribution facilities on the MPE site and upgrades to approximately 2.1 km of Moorebank Avenue.

Key components of the Project include:

- Earthworks including the importation of 600,000 m³ of fill and vegetation clearing
- Importation, stockpiling and placement of up to 250,000 m³ of suitable spoil (separate to the 600,000 m³ of imported clean general fill permitted for bulk earthworks)
- Approximately 300,000 m² gross floor area (GFA) of warehousing and ancillary offices
- Warehouse fit-out
- Freight village, 8,000 m² GFA of ancillary retail, commercial and light industrial land uses
- Internal road network and hardstand across the site
- Ancillary supporting infrastructure within the site, including:
 - Stormwater, drainage and flooding infrastructure
 - Utilities relocation/installation
 - Fencing, signage, lighting, remediation and landscaping
- Moorebank Avenue upgrade including:
 - Raising by about two metres and some widening
 - Embankments and tie-ins to existing Moorebank Avenue road levels
 - Signalling and intersection works

- Intersection upgrades along Moorebank Avenue including:
 - Moorebank Avenue/MPE Stage 2 access
 - Moorebank Avenue/MPE Stage 1 northern access
 - Moorebank Avenue/MPE Stage 2 central access
 - MPW Southern Access/MPE Stage 2 southern emergency access.

The location of the Project site is shown in Figure 1-1.

Bushfire Emergency Evacuation Plan

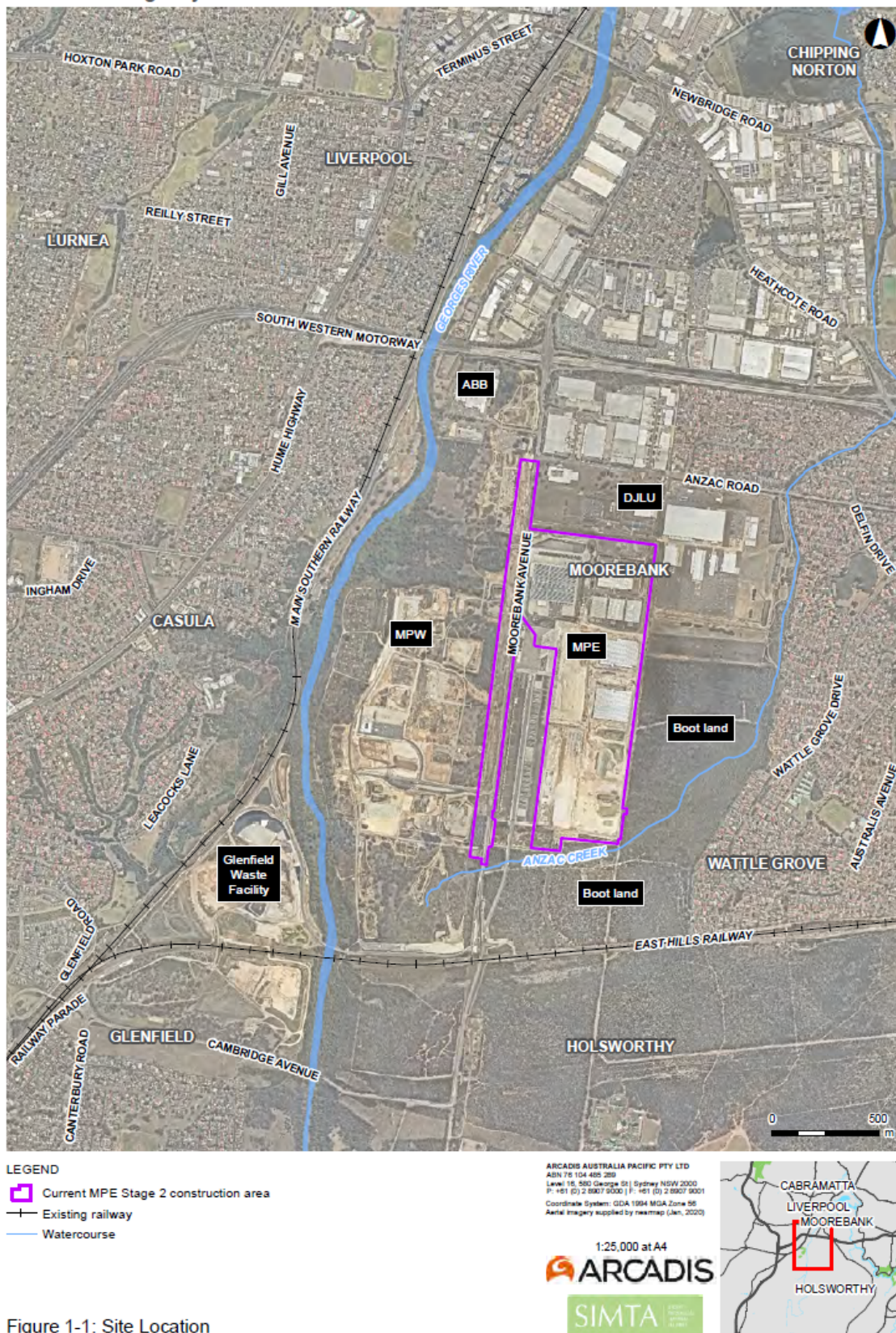


Figure 1-1 Site Location

1.2 Development Consent

The MPE Stage 2 Project has been assessed by the Department of Planning and Environment (DP&E) under Part 4, Division 4.7 (previously Division 4.1 prior to 1 March 2018) of the *Environmental Planning and Assessment Act 1979* (EP&A Act) as State Significant Development (SSD). The Planning Assessment Commission (PAC) granted consent for the MPE Stage 2 Project on 31 January 2018 and is subject to the Minister's CoCs (ref SSD 7628). The Project has been subsequently modified and approved under Modification 2 (SSD 7628-Mod 2) on 31 January 2020. The Project, including its potential impacts, consultation and proposed mitigation and management, is documented in the following suite of documents:

- State significant development (SSD) consent SSD 7628, as modified
- SSD partial consent (subdivision) SSD 7628, as modified
- Moorebank Precinct East – Stage 2 – Environmental Impact Statement (Arcadis Australia Pacific Pty Limited, December 2016)
- Moorebank Precinct East – Stage 2 – Response to Submissions (Arcadis Australia Pacific Pty Limited, July 2017)
- *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) Approval (No. 2011/6229) granted on March 2014
- Consolidated assessment clarification responses issued on 10 November 2017.
- Moorebank Precinct East – Stage 2 (Modification 2) – Environmental Impact Statement (Aspect Environmental Pty Limited, July 2019)
- Moorebank Precinct East – Stage 2 (Modification 2) – Response to Submissions (Aspect Environmental Pty Limited, September 2019)
- Moorebank Precinct East – Stage 2 (Modification 3) – Environmental Impact Statement SSD 7628-Mod 3 (Aspect Environmental Pty Limited, June 2020)
- Moorebank Precinct East – Stage 2 (Modification 3) – Response to Submissions SSD 7628-Mod 3 (Aspect Environmental Pty Limited, August 2020)
- Moorebank Precinct East – Stage 2 (Modification 4) – Environmental Impact Statement SSD 7628-Mod 4 (Aspect Environmental Pty Limited, October 2020)

1.3 Project Delivery Phases

The Project construction period is anticipated to be approximately five years, which will be generally divided into three works phases, as detailed in the following sections.

The terminology for the project phases or periods has developed from the preparation of the EIS and RtS documentation in response to the language of the CoCs and the need to stage the delivery of the environmental management documentation required by the CoCs. Current terminology, and the equivalent terminology from the CoCs and RtS are included in Table 1.

Table 1 Project Delivery Phase Terminology

Project Delivery Phase	CoC A18 Phase Equivalent	MPE Stage 2 RtS Works Period Equivalent
Early Works	Early works	Works Period A: Pre-construction
	Fill importation (to 60,000m ³)	Works Period B: Site preparation
Construction Phase A	Fill importation	Works Period B: Site preparation
	Construction	Works Period E: Bulk Earthworks, drainage and utilities

		<p>Works Period F: Construction and internal fit out of warehousing</p> <p>Works Period G: Miscellaneous construction works</p>
Construction Phase B	<p>Fill importation</p> <p>Construction</p>	<p>Works Period C: Construction of Moorebank Avenue Diversion Road</p> <p>Works Period D: Pavement and intersection works along Moorebank Avenue</p> <p>Works Period E: Bulk Earthworks, drainage and utilities</p>

1.3.1 Early Works

Early Works is generally described as site preparatory works including utilities adjustments and relocations, clearing and stripping of topsoil (top 100 millimetre of topsoil), heritage salvage and fill importation (including virgin excavated natural material [VENM] and excavated natural material [ENM], up to 60,000 m³), establishment of site access, temporary fencing and compound establishment, asbestos and hazardous material removal and the preparation of demolition of buildings.

The Early Works includes but is not limited to:

- Geotechnical and utilities investigation works including potholing to confirm the location of existing services, disconnection of non-critical services (with retention in place), grout filling of disconnected draining lines, and adjustment and relocation where applicable
- Clearing of non-native vegetation, stripping of topsoil and stockpiling of topsoil on site for later re-use within site landscaping
- Stabilisation of areas where topsoil has been stripped with imported clean hard fill or by other methods determined by the Environmental Representative (ER) to have minimal environmental impact
- Removal of asbestos from heating equipment and fire-resistant building elements (e.g. fire doors) by a licenced asbestos removalist followed by clearance by a certified occupational hygienist
- Hazardous material cleaning and decontamination in Buildings 67, 69, 81 and 83
- Heritage salvage works in Buildings 37, 75 and 80 on the Project site to recover architectural elements for adaptive re-use
- Importation, stockpiling and placement of up to 60,000 m³ (not exceeding a total of 22,000 m³ of material per day) of imported clean general fill material by truck-and-dog and / or semi-trailer
- Establishment of a site access point at the existing MPE site northern access and construction of associated access road, utilising existing paved areas with minor pavement extensions required, to provide for access and manoeuvrability of vehicles into and through the site in accordance with CoC B10
- Establishment of temporary site fencing, a site compound(s) and temporary car parking areas to support Early Works and construction of the Project in accordance with CoC B10, B11 and B12
- Other activities determined by the ER to have minimal environmental impact.

Any of the activities defined in SSD Consent 7628 as 'Early Works' may be undertaken during the Early Works. All works during Early Works will be undertaken in accordance with the Early Works Management Plan (EWEMP) and required sub-plans. Upon the commencement of construction, the Project's CEMP will supersede the EWEMP.

1.3.2 Construction Works Phase A (Excluding Moorebank Avenue Upgrade Works)

Construction Works Phase A will include all works described in Early Works in addition to bulk earthworks, drainage and utilities, construction and internal fit-out of warehousing and finishing works.

Construction Works Phase A excludes Moorebank Avenue works described in Section 1.3.3. Construction Works Phase A includes, but is not limited to:

Completion of Site Preparation Activities

- Demolition of existing structures
- Clearing of remaining vegetation
- Adjusting the building formation of the site (to final operational levels) within which the Warehousing Compound will be located
- Establishment of temporary batch plant and materials crushing plant

Bulk Earthworks, Drainage and Utilities

- Importation, stockpiling and placement of up to a total of 600,000 m³ (not exceeding a total of 22,000 m³ of material per day), including volume imported during Early Works) of clean general fill for bulk earthworks
- Importation, stockpiling and placement of up to 250,000 m³ of suitable spoil (separate to the 600,000 m³ of imported clean general fill permitted for bulk earthworks)
- Installation of on-site detention (OSD) and drainage infrastructure within the MPE Stage 2 site
- Construction of retaining walls
- Creation of internal road formation by general earthworks (by constructing fill embankments)
- Bulk earthworks and adjusting the building formation of the Project site to final level, including the terminal hardstand
- Utilities relocation and installation
- Establishment of hardstand areas.

Construction and Internal Fit-out of Warehousing

- Foundation and floor slab installation
- Erection of framework and structural walls
- Installation of roof
- Internal fit-out of warehouses (racking and associated services).

Miscellaneous Construction and Finishing Works

- Pavement construction (internal transfer roads and perimeter road), including forming of new kerbs, gutters, medians (where required) and other structures
- Line marking, lighting and sign posting
- Installation of road furniture, including traffic signs and pavement markers
- Miscellaneous structural construction
- Finishing works, including landscaping and general site rehabilitation, where required
- Commissioning of the Project
- Decommissioning/demobilisation of the Project site, including removal of construction compound(s) and temporary construction environmental controls.

1.3.3 Construction Works Phase B (Including Moorebank Avenue Upgrade Works)

Construction Works Phase B will include all works described in Early Works and Construction Works Phase A, in addition to the Moorebank Avenue upgrade works. Generally, the Moorebank Avenue upgrade works are described as construction of the Moorebank Avenue Diversion Road, bulk earthworks, drainage and utilities, and pavement works.

Construction Works Phase B includes, but is not limited to:

Construction of the Moorebank Avenue Diversion Road

- Stripping of topsoil within footprint of temporary diversion road
- Installation of temporary drainage
- Placement of fill and temporary road pavement (e.g. gravel)
- Construction of interface between temporary diversion road and existing Moorebank Avenue
- Installation of temporary road signage, street lighting and signalling
- Transfer of traffic onto temporary diversion road from Moorebank Avenue.

Bulk Earthworks, Drainage and Utilities

- Removal of existing pavement and stripping of topsoil within Moorebank Avenue
- Importation, stockpiling and placement of up to a total of 600,000 m³ (not exceeding a total of 22,000 m³ of material per day), including volume imported during previous phases, of clean general fill for bulk earthworks
- Importation, stockpiling and placement of up to 250,000 m³ of suitable spoil (separate to the 600,000 m³ of imported clean general fill permitted for bulk earthworks)
- Creation of a road formation for Moorebank Avenue and the Moorebank Avenue Diversion Road by general earthworks (by constructing fill embankments)
- Utilities relocation and installation.

Pavement Works along Moorebank Avenue

- Placement of select layer of earthworks material on top of the road formation
- Placing and compacting the pavement later (concrete, or concrete and asphalt) over the select layer (consisting of a sub-base and base) and potential sealing with bitumen
- Traffic switching from diversion road onto final, upgraded Moorebank Avenue
- Removal of construction traffic management and progressive opening of the internal road and warehouse access roads to traffic
- Removal of road surface, road signage, street lighting and signalling from temporary diversion road
- Commissioning of Moorebank Avenue.

1.4 Purpose and Application

This BEEP has been developed for the construction period for the Project, to address the CoCs and the FCMMs, and forms part of the Construction Environmental Management Plan (CEMP) required by CoC C1 and C3. A BEEP will be prepared for the operational phase of the Project and submitted to the Secretary, NSW Rural Fire Service, Council and the Certifying Authority prior to occupation.

This plan outlines procedures for both sheltering (remaining on-site) and evacuation to enhance the protection of employees from the threat of a bush fire during construction activities. This BEEP has been prepared in accordance with *Development Planning – A Guide to Developing a Bush Fire Emergency Management and Evacuation Plan*, December 2014 and Australian Standard AS3745 2010 *Planning for Emergencies in Facilities*.

Construction will be undertaken in accordance with the most recent version of this BEEP. A copy of this plan will be submitted to the Secretary, NSW Rural Fire Service, Council and the Certifying Authority prior to occupation, for information.

Refer to the Construction Bushfire Management Plan (CBMP) for additional information on how bushfire risk will be managed during the construction phase of the Project.

1.5 Objectives and Targets

The following high-level objectives and targets are set for the Project for the management of bushfire risks (refer to Table 2). These objectives and targets were developed by the Principal's Representative in consultation with technical specialists based on collective industry experience and best practice.

Table 2 Objectives and Targets

Objective	Target	Timeframe	Accountability
<ul style="list-style-type: none"> Afford personnel onsite adequate protection from exposure to bushfire and minimise adverse impacts of bushfire 	<ul style="list-style-type: none"> No death or injury to personnel during bushfire event 	Duration of construction	Contractor's PM
<ul style="list-style-type: none"> Minimise adverse environmental consequences of bushfire Mitigate on-site landscaping contributing to precinct bushfire via installation of appropriate flora species and management devices (as per approved Landscape Plan) 	<ul style="list-style-type: none"> No avoidable contribution to fire via landscaping fuel loads during bushfire event 	Duration of construction	Contractor's EM
<ul style="list-style-type: none"> Compliance with all conditions of relevant approval conditions 	<ul style="list-style-type: none"> No avoidable breach of management measures in Section 3.7 	Duration of the construction	Contractor's EM

2 ENVIRONMENTAL MANAGEMENT

2.1 Legal and Other Requirements

Table 3 below details the legislation, planning instruments and guidelines considered during development of this plan. Further details concerning the legislation, planning instruments and guidelines identified below are provided in the Legislation Register within the CEMP (Appendix B).

Table 3 Legislation, Planning Instruments and Guidelines

Legislation	Description	Relevance to this BEEP
Development Planning – A Guide to Developing a Bush Fire Emergency Management and Evacuation Plan, December 2014	Provides a six-step guide and template to develop a site specific BEEP for at risk developments.	Guides the development and implementation of this plan.
Australian Standard AS3745 2010 Planning for Emergencies in Facilities	Covers the requirements for the establishment, validation and implementation of an emergency plan for a facility to provide for the safety of occupants of that facility leading up to, and during an evacuation.	Guides the development and implementation of this plan.
<i>Environmental Planning and Assessment Act 1979</i>	This Act establishes a system of environmental planning and assessment of development proposals for the State.	Key sections of this Act that are relevant to this plan include, but are not limited to: <ul style="list-style-type: none"> Section 4.15 - General matters for consideration (previously Section 79C (1) prior to 1 March 2018) Section 4.14 - Consultation and development consent steps to be taken for development on bush fire prone land (previously Section 79BA prior to 1 March 2018).
<i>Rural Fires Act 1997</i>	Describes the specific requirements for development on land that has been declared as bush fire prone.	Key sections of this Act that are relevant to this plan include, but are not limited to: <ul style="list-style-type: none"> Section 63 - Duty of public authorities and owners and occupiers of land to prevent bushfires Section 64 - Occupiers to extinguish fires or notify firefighting authorities Division 4 - Bushfire Danger Periods: Applicability to the performance of hot works in open areas Division 6 - Total Fire Bans; Applicability to performance of hot works in open areas Division 7 - Offences for starting fires.

Legislation	Description	Relevance to this BEEP
Planning for Bush Fire Protection 2006 – NSW RFS	Provides aims and objectives for development on bush fire prone land.	<p>Development applications on bush fire prone land must be accompanied by a Bush Fire Assessment Report demonstrating compliance with the aim and objectives of Planning for Bush Fire Protection 2006. In particular:</p> <ul style="list-style-type: none"> The provision of Asset Protection Zones/Defendable Spaces to buildings located in bushfire prone areas Section 4.1.3(1) - Public road access compliance, with the exception of through-access Section 4.1.4 - Water, electricity and gas compliance.
Standards for Asset Protection Zones – NSW RFS	Provides a six-step guide to create and maintain an Asset Protection Zones (APZs) on the site.	Guides the establishment and maintenance of APZs under the CBMP.
Australian Standard AS3959-2009 – Construction in Bushfire Prone Areas	Covers the bushfire safety requirements of building in a bushfire prone area, as well as providing the methodology for calculating your bushfire attack level.	Identifies levels of bushfire attack and construction standards to buildings located in bushfire prone areas.

2.1.1 Compliance Matrices

The Project is being delivered under Part 4, Division 4.7 of the EP&A Act. The CoCs include requirements to be addressed in this plan and delivered during the Project. These requirements and how they are addressed are provided within Table 4 and are prepared in accordance with CoC C21.

Table 4 Conditions of Consent (CoCs)

CoC	Requirement	Document Reference	How Addressed
A1	In addition to meeting the specific performance measures and criteria established under this consent all reasonable measures must be implemented to prevent, and if prevention is not reasonable, minimise, any harm to the environment that may result from the construction and operation of the development, and any rehabilitation required under this consent.	Section 3 Section 4	<p>Section 3 of this plan identifies the management measures to be implemented to prevent and minimise environmental harm.</p> <p>Section 4 sets out the processes for monitoring and reviewing the effectiveness of these management measures.</p> <p>Opportunities to further minimise environmental harm will be identified through the ongoing evaluation of environmental management performance and effectiveness of this plan.</p>

CoC	Requirement	Document Reference	How Addressed
A2	<p>The development may only be carried out:</p> <p>(a) in compliance with the conditions of this consent;</p> <p>(b) in accordance with all written directions of the Secretary in relation to this consent;</p> <p>(c) in accordance with the EIS, Submissions Report, Consolidated assessment clarification responses and updated Biodiversity Assessment Report;</p> <p>(d) in accordance with the amended Development Layout Plans and Design Plans, amended WSUD plans and amended architectural plans to be submitted for the Secretary's approval as part of this consent; and</p> <p>(e) in accordance with the management and mitigation measures at APPENDIX B of this consent.</p>	This plan	This plan has been developed to comply with the CoCs, written directions of the Secretary, amended development layout and management and mitigation measures outlined in Appendix B of the CoCs.
A20	All licences, permits, approvals and consents as required by law must be obtained and maintained as required for the development. No condition of this consent removes the obligation for the Applicant to obtain, renew or comply with such licences, permits, approvals and consents.	CEMP	<p>All applicable licences, permits and approvals will be obtained as required.</p> <p>Approvals, permits and licences required for the Project are discussed in Appendix B and C of the CEMP.</p> <p>An Environmental Protection Licence (EPL) (No. 21054) was issued by the EPA on 4 June 2018 (variation issued on 18 April 2019). The licence applies to the Moorebank Precinct (excluding the MPE Stage 1 Rail Access Land Package (RALP) which has a separate EPL licence (No. 20966) and authorises > 100,000 – 500,000 tonnes crushing, grinding or separating processing capacity per annum and > 500,000 – 2,000,000 tonnes extraction, processing or storage capacity per annum. The licence applies to all other activities carried on at the premises, including road construction, bulk earthworks 'cut and fill' and importing fill.</p>
B1	<p>The Applicant must:</p> <p>(a) prepare each plan, program and other documents in consultation with the specified stakeholders;</p> <p>(b) not commence each phase of the project until the plans, programs and other documents required under this consent are approved by or, where not required to be approved, submitted to the Secretary specified within the timeframes; and</p>	Section 1.4	<p>No consultation requirements are prescribed within the CoCs for the construction phase of the BEEP.</p> <p>Section 1.4 confirms that the most recent version of the BEEP will be implemented for the duration of construction.</p>

CoC	Requirement	Document Reference	How Addressed
	(c) implement the most recent version of the required plans and programs approved by the Secretary for the duration of the development		
B143	<p>Before the commencement of construction, the Applicant must ensure that a Bushfire Emergency and Evacuation Plan is prepared. The Plan must form part of the CEMP and OEMP required by conditions C1 and C3 and must:</p> <p>(a) be prepared by a suitably qualified and experienced person(s);</p> <p>(b) be consistent with the <i>Development Planning – A Guide to Developing a Bush Fire Emergency Management and Evacuation Plan</i>, December 2014 and <i>Australian Standard AS3745 2010 Planning for Emergencies in Facilities</i>; and</p> <p>(c) a copy of the plan must be submitted to the Secretary, NSW Rural Fire Service, Council and the Certifying Authority prior to occupation.</p>	This plan	<p>(a) This plan has been prepared by a suitably qualified person (refer to author details are the start of this plan).</p> <p>(b) This plan is consistent with the <i>Development Planning – A Guide to Developing a Bush Fire Emergency Management and Evacuation Plan</i>, December 2014 and <i>Australian Standard AS3745 2010 Planning for Emergencies in Facilities</i>, as identified in Section 2.1.</p> <p>(c) A copy of the BEEP will be submitted to the Secretary, NSW Rural Fire Service and Council, and the Certifying Authority prior to occupation.</p>
B145	Public road access must comply with section 4.1.3(1) of <i>Planning for Bush Fire Protection 2006</i> except for the requirement for through-access.	Figure 3-4	<p>Primarily operational requirement.</p> <p>During construction, suitable access for emergency vehicles will be available via the alignment of the future internal road network which runs east/west and connects to a north/south road extending along the eastern side of the site.</p>
C1	<p>Before the commencement of construction, a Construction Environmental Management Plan (CEMP) must be prepared to the satisfaction of the Secretary. The CEMP must:</p> <p>(f) include the management plans required under this approval, including:</p> <p>(xi) Bushfire Emergency and Evacuation Plan</p>	This plan	This plan has been prepared to satisfy this requirement and forms part of the CEMP.
C2	<p>The Applicant must:</p> <p>(a) not commence construction until the CEMP is approved by the Secretary; and</p> <p>(b) carry out the construction of the development in accordance with the most recent version of the CEMP approved by the Secretary, unless otherwise agreed by the Secretary</p>		<p>This plan will be submitted as a sub-plan to the CEMP for the approval of the Secretary prior to the commencement of construction.</p> <p>Construction will be carried out in accordance with the most recent version of this BEEP.</p>
C7	The Applicant must ensure that the environmental management plans required under this consent are prepared in	N / A	Detailed baseline data is not directly relevant to this plan.

CoC	Requirement	Document Reference	How Addressed
	accordance with any relevant guidelines, and include: (a) detailed baseline data;		
	(b) a description of: (i) the relevant statutory requirements (including any relevant approval, licence or lease conditions); (ii) any relevant limits or performance measures/criteria; and (iii) the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the development or any management measures;	Section 2.1 Section 1.5 Table 2	(i) Section 2.1 lists the environmental obligations for the Project site. (ii)(iii) Section 1.5 and Table 2 details the performance measures/ criteria (objectives) and performance indicators (targets).
	(c) a description of the management measures to be implemented to comply with the relevant statutory requirements, limits or performance measures/criteria;	Section 3.6	Section 3.6 sets out the management measures required to be implemented under this plan.
	(d) a program to monitor and report on the: (i) impacts and environmental performance of the development; and (ii) effectiveness of any management measures (see (c) above);	Section 4	(i) Program for monitoring and reporting of impacts and environmental performance is discussed in Section 4. (ii) Section 4 states ongoing evaluation on performance and effectiveness will be undertaken against policies, objectives and targets.
	(e) a contingency plan to manage any unpredicted impacts and their consequences;	This plan	The plan includes measures to address emergencies resulting from bushfires.
	(f) a program to investigate and implement ways to improve the environmental performance of the development over time;	Section 4.4	Improvement measures are discussed under Section 4.4 through ongoing evaluation and effectiveness of this plan.
	(g) a protocol for managing and reporting any: (i) incidents and non-compliances; (ii) complaints; (iii) non-compliances with statutory requirements; and	CEMP	The CEMP outlines a protocol for addressing any incidents, non-compliances and complaints.
	(h) a protocol for periodic review of the plan. <i>Note: The Secretary may waive some of these requirements if they are unnecessary or unwarranted for a particular management plan.</i>	Section 4.4	A protocol for periodic review is outlined in Section 4.4 and discussed in further detail in the CEMP.

The FCMMs were prepared as part of the MPE Stage 2 Submissions Report (Arcadis 2017). A list of the FCMMs as relevant to the Project and how they have been complied with in this plan are provided in Table 5 and the Compliance Tracking Program, prepared in accordance with CoC C21.

Table 5 Final Compilation of Mitigation Measures (FCMMs)

FCMM	Requirement	Document Reference
7B	<p>The following measures would be included in the CEMP (or equivalent) to minimise hazards and risks:</p> <ul style="list-style-type: none"> Safe operational access and egress for emergency service personnel and workers will be provided at all times, and specified in the CEMP. 	This condition is addressed in the management measures in Section 3.6 (BEEP 5).
13A	<p>A bushfire management strategy, or equivalent, will be prepared as part of the CEMP for the Amended Proposal. The strategy will include:</p> <ul style="list-style-type: none"> Emergency response plans and procedures <p>All construction site offices will be accessible via access roads suitable for firefighting appliances similar to NSW Rural Fire Service category 1 tankers.</p>	<p>This plan has been prepared to include emergency response plans and procedures. These conditions are addressed in Section 3.6 (BEEP 6).</p> <p>Further detail for a bushfire management strategy is provided in the CBMP.</p>

No Commonwealth Conditions of Approval (CCoA) are applicable to this plan.

2.2 Roles and Responsibilities

Key roles and responsibilities associated with this BEEP are presented in Table 6 Roles and Responsibilities.

Table 6 Roles and Responsibilities

Roles	Responsibilities
Contractor's Project Manager (Contractor's PM)	<ul style="list-style-type: none"> Attend audit meetings and action results of any audit findings Allocate Project resources to manage bushfire environmental issues Oversee the implementation and maintenance of this BEEP Endorse the BEEP Provide support for the Contractor's EM Undergo induction and training in environmental awareness specific to bushfire evacuation and evacuation Enforce environmental requirements for suppliers and sub-contractors Review audit corrective actions and take action as necessary to ensure timely close out of issues Direct works to be performed in a more environmentally responsible manner that reduces impacts or stop works if there is a risk of environmental harm.
Contractor's Construction Manager (Contractor's CM)	<ul style="list-style-type: none"> Communicating with all personnel and sub-contractors regarding compliance with the BEEP Check and monitor the implementation of this BEEP Undergo induction and training in environmental awareness specific to bushfire evacuation and evacuation Identifying resources required for implementation of the BEEP Ensure emergency services/personnel have safe access and egress to bushfire prone land Clearly sign and communicate emergency assembly point and evacuation routes to Site personnel

Roles	Responsibilities
	<ul style="list-style-type: none"> Organise and manage site plant, labour and temporary materials for bushfire evacuation and emergency Provide support for the Contractor's EM Direct works to be performed in a more environmentally responsible manner that reduces impacts or stop works if there is a risk of environmental harm Manage response actions to RFS fire danger rating and actual fire emergency.
Contractor's Environment Manager (Contractor's EM)	<ul style="list-style-type: none"> Oversee the overall implementation of this BEEP Ensure that sufficient resources are allocated for the implementation of this BEEP Assist and guide the respective workers to meet their responsibilities for bushfire evacuation and emergency response Develop environmental site induction and maintain a register of attendance Present and participate in toolbox meetings specific to bushfire evacuation and emergency Manage environmental document control, reporting, inductions and training relating to bushfire emergency and evacuation Oversee site monitoring, inspections and internal audits Manage all sub-contractors and consultants with regards to environmental matters Undergo induction and training in environmental awareness specific to bushfire emergency and evacuation Direct works to be performed in a more environmentally responsible manner that reduces impacts or stop works if there is a risk of environmental harm Ensure all relevant personnel have and understand the most up-to-date copy of this BEEP Monitor weather conditions and fire alerts Provide and maintain firefighting equipment Co-ordinate bushfire emergency response.
Site Supervisor	<ul style="list-style-type: none"> Provide site induction for personnel including fire safety measures Assist with implementation of bushfire emergency response Implement environmental controls on-site required for bushfire emergency and evacuation Undergo induction and training in environmental awareness specific to bushfire evacuation and emergency Maintain emergency service access to bushfire prone land Direct works to be performed in a more environmentally responsible manner that reduces impacts or stop works if there is a risk of environmental harm.
All Personnel	<ul style="list-style-type: none"> Comply with the relevant Acts, Regulations and Standards relevant to the BEEP Comply with the Project policies and procedures relevant to the BEEP Take all feasible and reasonable steps to ensure compliance with the requirements of this BEEP Undergo induction and training in environmental awareness specific to bushfire evacuation and emergency.

2.3 Training

Training will be undertaken in accordance with Section 2.7 of the CEMP. The Construction Contractor will provide all employees with environmental induction / training relevant to this BEEP to ensure that they are aware of their responsibilities and are competent to carry out the work.

As a minimum the induction will include the following:

- Familiarisation with this plan and the CBMP
- Location of firefighting equipment
- Fire safety such as fire management practices, emergency responses and procedures
- Potential ignition sources and subsequent risks

Toolbox meetings will also be undertaken, as and when required.

Competency training will be provided by the Construction Contractor as required and may include a certification, vocational qualification or a competency assessment.

Records of all training are to be filed in accordance with the document control system outlined in the CEMP.

2.4 Incident Response

Incidents will be classified and notified in accordance with Section 2.8 of the CEMP.

3 IMPLEMENTATION

3.1 Bushfire Risk

The MPE Stage 2 EIS identified construction of the Project as having a low bushfire risk, with the Project more likely to be at risk from a bushfire rather than presenting as a potential ignition source for a bushfire. Bushfire risk is most likely to arise from the large area of native vegetation contained on the Commonwealth land adjoining the Project to the east and south. Small pockets of bushland on the Moorebank Precinct West (MPW) site have been mapped as having bushfire risk. This vegetation is mapped as 'Vegetation Category 1' bushfire prone land (Liverpool City Council 2014) (see Figure 3-1).

The statutory Bush Fire Danger Period runs from 1 October to 31 March and is the period when bushfire risk is greatest.

Bushfire Emergency Evacuation Plan

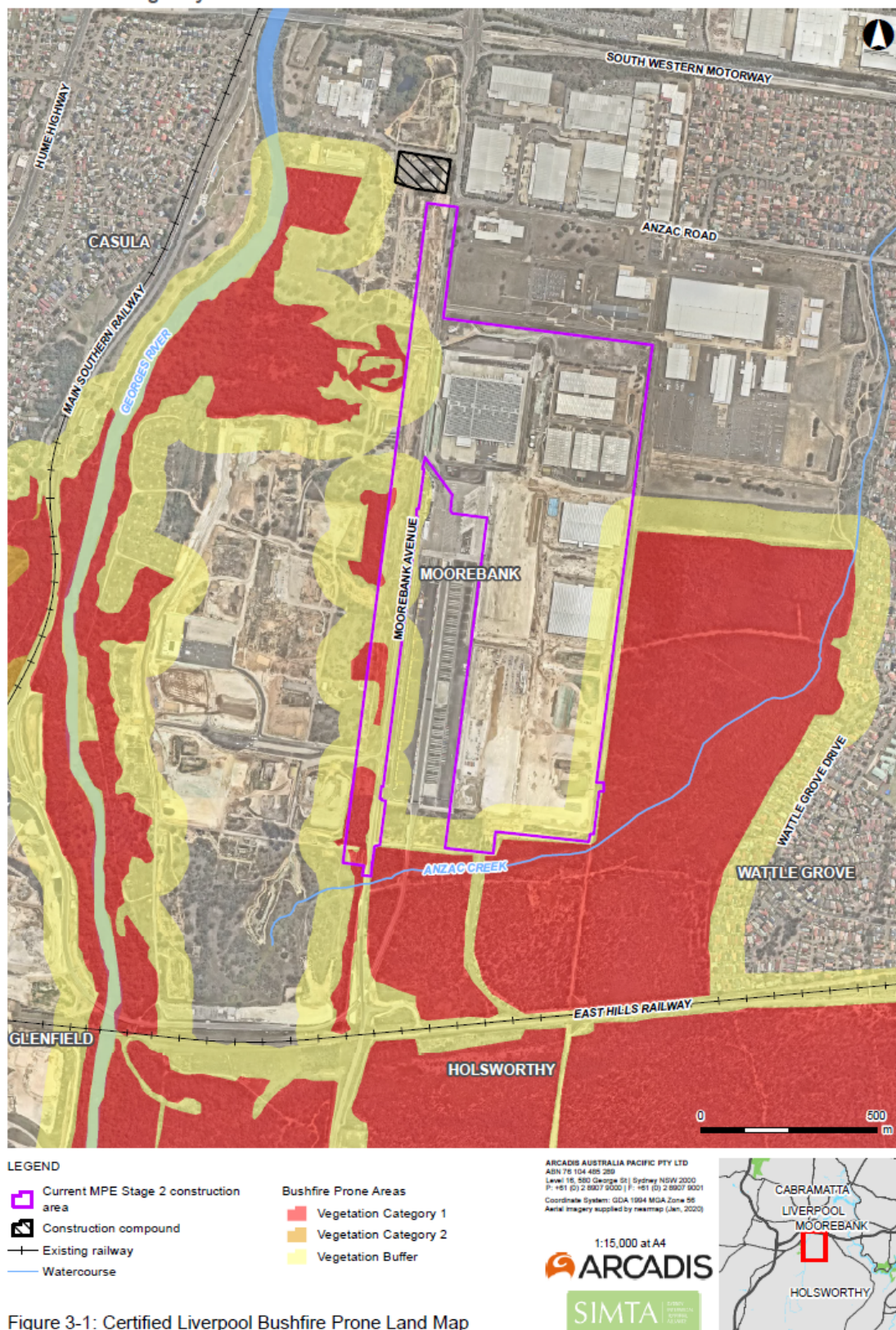


Figure 3-1: Certified Liverpool Bushfire Prone Land Map

Date: 3/03/2020 Path: \\lc-aus-nr-fr-01\jobs\A0208765\L-GIS\A_Current\B_Maps\MPE2\MPE2_CEMP\MPE2_BEEP\SIMTA_MPE2_BEEP_002_BushfireProneLand_A4P_V4.mxd
 Created by : TT
 QA by : CC

Figure 3-1 Certified Liverpool Bushfire Prone Land Map

3.2 Facility Details

This plan outlines procedures for both sheltering (remaining on-site) and evacuation to enhance the protection of employees from the threat of a bush fire. The contact details will be confirmed following the appointment of a Construction Contractor prior to the commencement of construction.

The Primary Action to follow under normal bush fire conditions is to **SHELTER**.

Contact Person: TBC

Position/role: TBC

Phone number (BH): TBC

Phone number (AH): TBC

Type of facility: Intermodal Facility and Warehousing (under construction)

Number of buildings: Ten temporary construction compounds. Existing structures to be demolished with new warehousing developed over a staged period.

Number of employees: The total construction workforce is approximately 600 construction personnel during the duration of the construction program. During peak construction, 200 construction personnel would be on-site per day including tradesmen, construction personnel, subcontractor construction personnel and engineering, functional and administrative staff.

3.3 Emergency Planning Committee

Each Construction Contractor at the site is to have a representative on the Emergency Planning Committee (EPC). Table 7 below outlines the contact information and responsibility of each position for the EPC. The members of the EPC and site contact details will be confirmed following the appointment of a Construction Contractor prior to the commencement of construction.

Table 7 Emergency Planning Committee

Position	Name or Person	Phone Number	Everyday Roles / Responsibility	Emergency Roles / Responsibility
Chief Warden	Michael Beresford (Knight Frank) Email: Michael.Beresford@au.knightfrank.com	0404 608 790	<ul style="list-style-type: none"> Maintain a current register of EPC members 	<ul style="list-style-type: none"> Primary emergency contact
	Not appointed		<ul style="list-style-type: none"> Replace EPC when position becomes vacant Conduct regular exercises Ensure emergency response procedures are kept up-to-date Attend meeting of the EPC as appropriate. 	<ul style="list-style-type: none"> Contactable at all times Liaising with emergency services Take control of situation Ensuring buildings are prepared to limit the impact of bushfire Coordinate personnel and their relocation Coordinate response procedures Ensure all persons accounted for

Position	Name or Person	Phone Number	Everyday Roles / Responsibility	Emergency Roles / Responsibility
				<ul style="list-style-type: none"> Monitor bushfire situation Debrief wardens following an event.
Safe Refuge Wardens	Antonio Garcia (MAUW) – BMD, Safety Manager	0400 498 893	<ul style="list-style-type: none"> Maintain the Employee Listing during the Bushfire Danger Period 	<ul style="list-style-type: none"> Assist and implement emergency procedures within an assigned area of control
	Greg Wenban (MPE S2) - Qanstruct	0421 041 684		
	Dennis Stefanovic (MPE S2) – Hansen Yuncken	0447 537 582	<ul style="list-style-type: none"> Confirm sufficient wardens for area of responsibility Report on deficiencies of emergency equipment Ensure that wardens have communicated the emergency response procedures to all employees within their nominated areas Coordinate safety practices Attend training and emergency exercises. 	<ul style="list-style-type: none"> Report to the Chief and Deputy Wardens Respond as instructed by the Deputy and Chief Warden.
Additional Senior Management / Staff	Mark Renshaw (MAUW) – BMD, Senior Project Manager	0407 689 115	<ul style="list-style-type: none"> Attend regular meetings and training 	<ul style="list-style-type: none"> Assist the Chief, Deputy Chief and Safe Refuge Wardens where possible
	Matthew Gordon (MPE S2) – Qanstruct, Senior Project Manager	0421 000 517	<ul style="list-style-type: none"> Ensure understanding of emergency response procedures. 	
	Metin Tokcan (MPE S2) – Hansen Yuncken, Senior Project Manager	0448 750 020		

The EPC is responsible for the carriage of emergency management at the Project site, including but not limited to:

- Establishing and implementing emergency plans and procedures
- Identifying duties and responsibilities of positions
- Formulating and refining emergency procedures
- Ensuring employees and other occupants are educated and trained on emergency procedures
- Ensuring all occupants are aware of the emergency procedures for the development
- Regularly meeting and reviewing the plan to ensure it remains practical and current.

3.4 Emergency Contacts

Table 8 below outlines the emergency contacts for the Project. Members of the EPC and site contacts will be confirmed following the appointment of a Construction Contractor prior to the commencement of construction.

Table 8 Emergency Contacts

Name of Organisation	Office / Contact	Phone Number
NSW Rural Fire Service	Local Fire Control Centre (Liverpool LGA)	02 9603 7077
	Address	Cnr Alderney St and Townson Ave, Minto 2566
	Bushfire Information Line	1800 679 737 1800 NSW RFS
	Rural Fire Service Headquarters	02 8741 5555
	Website	www.rfs.nsw.gov.au
NSW Police Force Fire & Rescue NSW NSW Ambulance	Fire and Rescue Ambulance Police Emergency Services General	000
	Website	https://www.police.nsw.gov.au/
NSW State Emergency Service	General enquiries	02 4251 6111
Liverpool City Council	Customer Contact Centre	1300 36 2170
	National Relay Service (NRS) for hearing and speech impaired customers	133 677
	Address	Ground Floor, 33 Moore St, Liverpool NSW 2170
Liverpool Hospital	Contact	8738 30000
	Address	Corner of Elizabeth and Goulburn Streets, Liverpool, NSW 2170
Site Contacts	Chief Warden	Michael Beresford (Knight Frank) Phone: 0404 608 790
	Contractor's PM	Mark Renshaw (BMD) Phone: 0407 689 115
		Metin Tokcan (Hansen Yuncken) Phone: 0448 750 020

Name of Organisation	Office / Contact	Phone Number
		Mathew Gordon Phone: 0451 000 517 (Qanstruct)
	Contractor's CM	Stephanie Celizic (BMD) Phone: 0413 475 975
	Contractor's EM	Timothy Davis (BMD) Phone: 0437 359 342
		Kate Sharp (Hansen Yuncken) Phone: 0429 049 783
		Greg Wenban (Qanstruct) Phone: 0421 041 684
	Contractor's Health and Safety Manager	Antonio Garcia (BMD) Phone: 0400 498 893
		Marcello Di Paolo (Hansen Yuncken) Phone: 0436 808 041
		Greg Wenban (Qanstruct) Phone: 0421 041 684.
	Site Supervisor	Adam Young (BMD) Phone: 0409 588 896
SIMTA		1800 465

Sheltering (Primary)

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. Each construction compound will have its own designated assembly point that all personnel will relocate to in the event of a bushfire.

Each of the suggested assembly points have been identified with consideration to the extent of bush areas surrounding the Project site. The assembly points are to be adequately signed to clearly identify the location to evacuees. The assembly points are shown below in Figure 3-2. In the event that an assembly point is deemed unsafe by the Chief Warden, the Chief Warden would arrange an alternative assembly point (i.e. an assembly point at another construction compound) as identified in Figure 3-2.

Bushfire Emergency Evacuation Plan

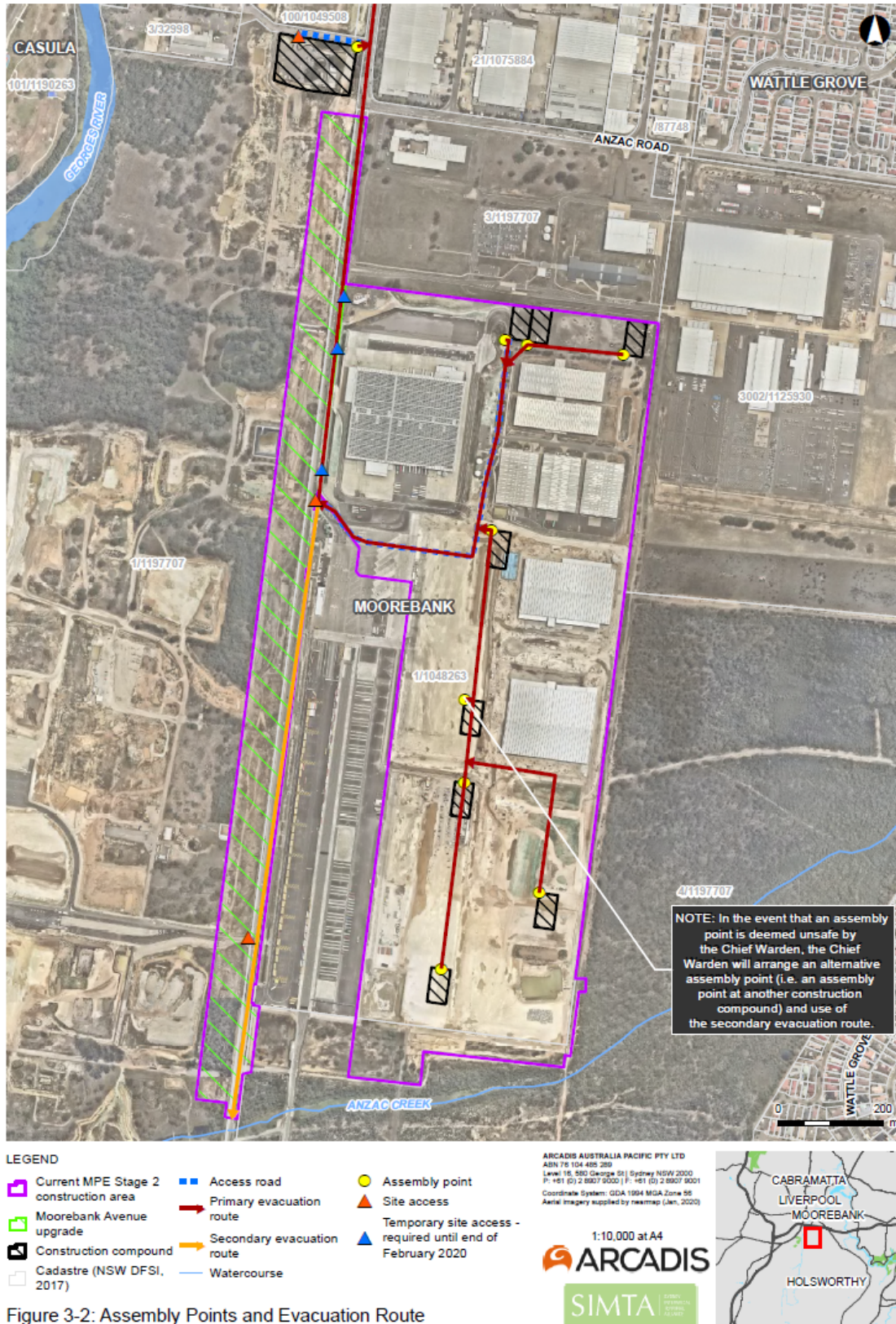


Figure 3-2 Assembly Points and Evacuation Route

3.4.1 Procedure

Prior to the commencement of the Bushfire Danger Period, the following will occur:

- An Employee Listing Register will be maintained on site, see Appendix A, to identify employees present on site each day
- All personnel are trained in accordance with this plan and have reviewed this plan
- All personnel are informed of the sheltering procedures
- Compounds and areas around compounds are maintained and visibly signed
- Conduct practice fire sheltering drills
- Firefighting equipment (fire extinguishers, hoses etc.) is serviceable and available
- Update contact details of all personnel
- Contact and update emergency services with the premises' contact details
- Monitor Fire Danger Ratings for the area
- Stay alert for warnings and watch for signs of fire.

Procedures for sheltering in the event of a bushfire are outlined below in Table 9.

Table 9 Sheltering Procedure

Trigger	Action
Bushfire in the surrounding area	<ul style="list-style-type: none"> • Consult the NSW RFS website, 1800 NSW RFS, smart phone applications and local firefighting resources for fire situation and updates • Inform personnel of the fire situation • Ensure that the Chief Warden has a mobile phone and is contactable • Advise the local emergency services that the centre is operating, and that it will need to be advised early in the event of an evacuation being necessary.
Approaching bushfire threatening the premises	<ul style="list-style-type: none"> • After consultation with emergency services, temporarily cease construction works and 'shelter in place' • Alert all personnel of 'shelter in place' • All personnel to move to assembly points • Conduct a check of all personnel using the Employee Listing sheet (Appendix A) • Keep personnel hydrated • Assemble persons away from part of the building which will be initially exposed to fire • Monitor bushfire situation and the Chief Warden is to stay contactable at all times • When the fire or threat has passed, all personnel are to remain at assembly points until further directed.

After the bushfire event:

- Chief Warden is to determine when the construction works will re-commence and will advise all persons
- Update Employee Listing Sheet (Appendix A)
- Confirm with Fire and Rescue NSW that utilities (water, gas and electricity) are safe to use
- Review the Project site
- Undertake a debrief with key personnel

- Review this plan and amend if required.

3.5 Evacuation

Evacuation will be required if upon evaluation of the safety of personnel, it is determined that it would be safer for all persons to evacuate to their own personal refuge.

Personnel will move to the identified assembly points as shown in Figure 3-2. Each of the suggested assembly points have been identified with consideration to the extent of bush areas surrounding the site. The assembly points are to be adequately signed to clearly identify the location to evacuees.

Should bushfire occur in the vicinity of the nominated assembly point(s) the Safe Refuge Wardens will be responsible for identifying and moving personnel to a safe evacuation point.

3.5.1 Refuge

Following the assembly of all construction personnel at either the assembly points, personnel will be instructed to individually relocate to their own personal refuge (personal residences).

3.5.2 Transportation Arrangements

Personnel will be responsible for their own transport and it is advised that personnel travel 800 m (2 minutes) north towards the intersection of Moorebank Avenue and the M5 Motorway (South-West Motorway) when exiting the site from the construction site access point. The evacuation route is shown in Figure 3-2.

Should bushfire occur to the north of the MPE site, blocking evacuation to the north, an alternative evacuation route would be southbound on Moorebank Avenue to Cambridge Avenue. The Chief Warden is responsible for confirming the evacuation route from site and will direct personnel.

The M5 Motorway provides the main road link between the site, and the key employment and industrial areas within Sydney's West and South-Western subregions, the Sydney orbital network and the National Road Network. The M5 connects with the M7 Motorway to the west, providing access to the Greater Metropolitan Region and the NSW road network. Similarly, the M5 is the principal connection to Sydney's north and north-east via the Hume Highway.

The regional context of the Project site is outlined below in Figure 3-3.

Bushfire Emergency Evacuation Plan

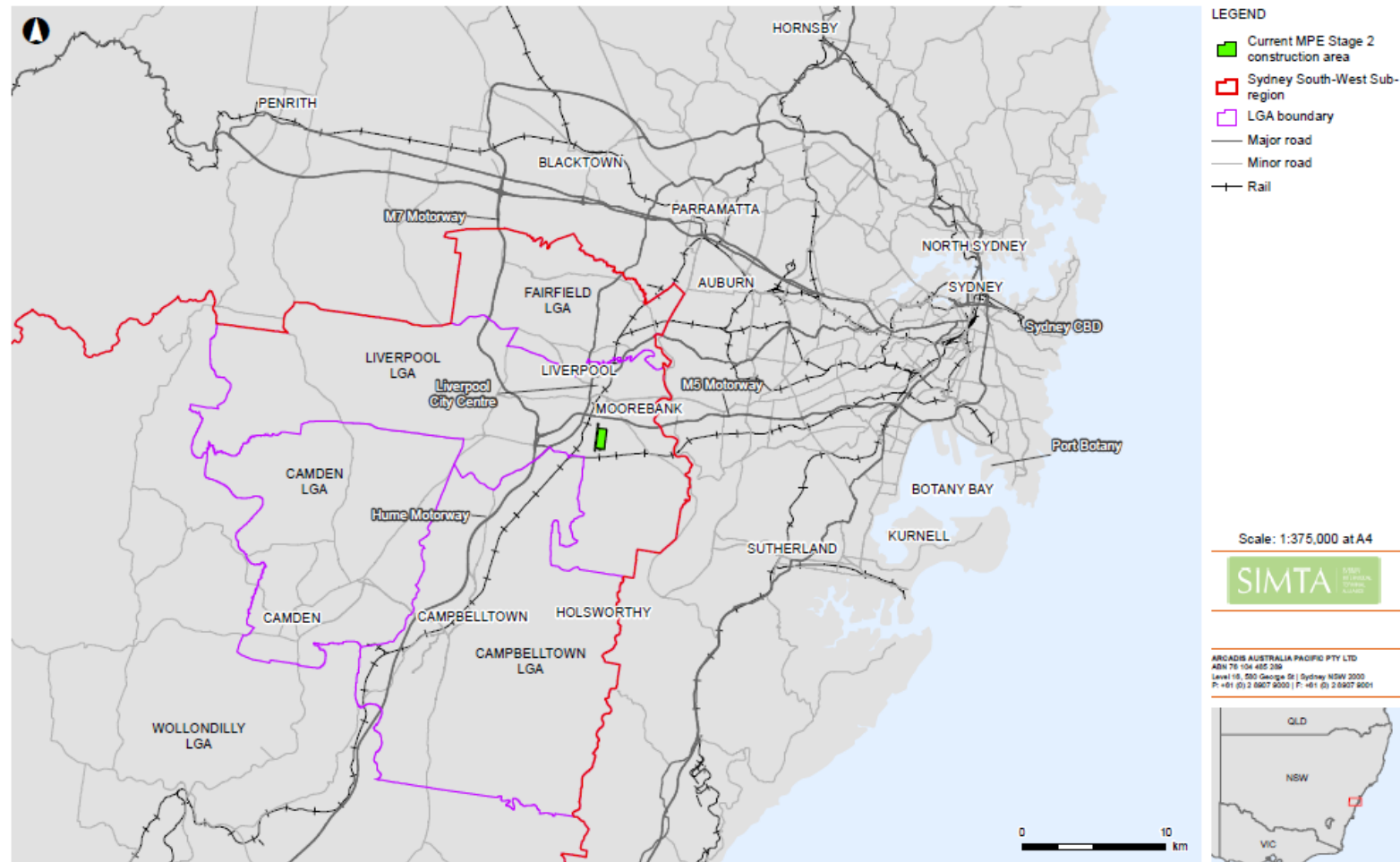


Figure 3-3: Regional Context of the Project

Date: 20/02/2020 Path: \\ho-aus-rs-01\job\AA008765L-GISA_Current\B_Map\MPE2\MPE2_CMP\MPE2_BEES\SIMTA_MPES2_BEES_004_RegionalContext_A4L_v2.mxd
 Created by: TT
 QA by: CC

Figure 3-3 Regional Context of the Project

3.5.3 Procedures

Prior to the commencement of the Bushfire Danger Period, the following will occur:

- Personnel to be prepared in accordance with this plan and have reviewed this plan
- All persons are to be informed of the evacuation procedures
- Assembly points are maintained and clearly signed for evacuees
- Firefighting equipment (hoses etc.) are serviceable and available
- Conduct practice fire evacuation drills
- Update contact details of personnel
- Contact and update emergency services with the premises' contact details
- Monitor Fire Danger Ratings for the area
- Stay alert for warnings and watch for signs of fire.

Procedures for evacuation in the event of a bushfire are outlined below in Table 10.

Table 10 Evacuation Procedure

Trigger	Action
Bushfire in the surrounding area	<ul style="list-style-type: none"> • Consult the NSW RFS website, 1800 NSW RFS, smart phone applications and local firefighting resources for fire situation and updates • Inform personnel of the fire situation • Ensure that the Chief Warden has a mobile phone and is contactable • Advise the local emergency services that the site is operating, and that it will need to be advised early in the event of an evacuation being necessary • Continue to monitor the situation.
Approaching bushfire threatening the premises	<ul style="list-style-type: none"> • After consultation with emergency services, cease construction and commence evacuation procedures • Alert personnel of evacuation • Meet at designated assembly point • Designated Chief Warden will take control of the situation • Ensure all persons are accounted for (using employee register). • The Chief Warden is to advise the local emergency service (02 9603 7077) that the centre is currently sheltering-in-place at assembly point (include how many people and location) • Early departure of all occupants to relocate well before the fire fighting units arrive to avoid site traffic • Maintain situational awareness through radio, NSW RFS website, 1800 NSW RFS, smart phone applications and local firefighting resources.
Evacuation	<ul style="list-style-type: none"> • The Chief Warden is to advise the local emergency service (02 9603 7077) that the centre is being evacuated (include how many people and where they are going) • Move all persons to the assembly point for evacuation • Arrange for personnel to evacuate the site in personal vehicles from the site access point. • Ensure all persons are accounted for prior to departure (using employee register)

Trigger	Action
	<ul style="list-style-type: none"> • The Chief Warden to advise the local emergency service (02 9603 7077) that the all persons have been evacuated • Maintain situational awareness through radio, NSW RFS website, 1800 NSW RFS, smart phone applications and local firefighting resources.

After the bush fire event:

- No person should re-enter any evacuated site until advised by the emergency service that the area is deemed safe
- Review the Project site
- Chief Warden is to coordinate the movement of personnel back to the Project site
- All personnel are to be accounted for on their return
- Inform the police / emergency service of the return of persons to the premises
- Review this plan.

3.6 Management Measures

This section describes the overall approach to managing bushfire emergency and evacuation plans. The management measures in Table 11 in are based on the FCMMs, RtS, CoCs, as well as the requirements and standards of SIMTA, the Construction Contractor and best practice.

Table 11 Management Measures

ID	Management Measure	Timing	Responsibility	Reference
Training				
BEEP1	Bushfire awareness and requirements of bushfire safety will be included in inductions and in toolbox talks pre-commencement.	Prior to construction	Contractor's EM	Best practice
BEEP2	All personnel will be required to undergo inductions and toolbox talks.	During construction	Contractor's EM	Planning for Bushfire Protection 2006 (PBP 2006)
BEEP3	Personnel are informed of the sheltering and evacuation procedures.	Prior to construction	Contractor's EM	Best practice
BEEP4	Conduct practice fire sheltering and evacuation drills.	Prior to construction	Contractor's EM	Best practice
Access and Compounds				
BEEP5	Emergency services/personnel will have safe access and egress to bushfire prone land at all times.	During construction	Contractor's CM	PBP 2006 FCMM 7B
BEEP6	All site offices will be accessible via access roads suitable for firefighting appliances similar to NSW RFS Category 1 Tankers/FRNSW Appliances.	During construction	Contractor's CM	FCMM 13A PBP 2006
BEEP7	Access roads will be well maintained and inspected to ensure that firefighting access is adequate.	During construction	Contractor's CM	PBP 2006
BEEP8	The emergency assembly point and evacuation routes will be clearly signposted and communicated.	During construction	Contractor's CM	PBP 2006
BEEP9	Assembly points, compounds and areas around compounds are maintained and visibly signed.	During construction	Contractor's CM Site Supervisor	PBP 2006

ID	Management Measure	Timing	Responsibility	Reference
Bushfire Emergency and Evaluation				
BEEP10	Bushfire emergency and evacuation to be conducted in accordance with <i>Development Planning – A Guide to Developing a Bush Fire Emergency Management and Evacuation Plan</i> , December 2014 and <i>Australian Standard AS3745 2010 Planning for Emergencies</i> .	During construction	Contractor's PM Contractor's EM Contractor's CM Site Supervisor	CoC B143
BEEP11	Each Construction Contractor at the site is to have a representative on the Emergency Planning Committee.	During construction	Contractor's CM	CoC B143
BEEP12	Firefighting equipment (hoses etc.) is serviceable and available.	During construction	Contractor's EM	CoC B143
BEEP13	Update contact details of personnel.	During construction	Contractor's CM ECP	CoC B143
BEEP14	Contact and update emergency services with the premises' contact details.	During construction	Contractor's CM ECP	CoC B143
BEEP15	Monitor Fire Danger Ratings for the area.	During construction	Contractor's CM ECP	CoC B143
BEEP16	Stay alert for warnings and watch for signs of fire.	During construction	Contractor's EM Contractor's CM	CoC B143
BEEP17	<p>Primary Action to follow under normal bush fire conditions is to SHELTER. Personnel will relocate to the following designated refuges located within the premises:</p> <ul style="list-style-type: none"> Main warehousing compound – for personnel working on construction works (excluding Moorebank Avenue Upgrade works) Moorebank Avenue compound – for personnel working on the Moorebank Avenue Upgrade works. <p>Follow Sheltering Procedure, as stated in this plan.</p>	During construction	Site personnel	CoC B143

ID	Management Measure	Timing	Responsibility	Reference
BEEP18	<p>Evacuation will be required if upon evaluation of the safety of employees, it is determined by the Chief Warden that it would be safer for all persons to evacuate to their own personal refuge. Personnel will move to their identified emergency assembly points shown in Figure 3-2.</p> <p>Follow Evacuation Procedure, as stated in this plan.</p>	During construction	Site personnel	CoC B143

4 MONITOR AND REVIEW

4.1 Environmental Monitoring

Monitoring under this plan will be undertaken by the Contractor's EM during weekly inspections of construction activities to monitor compliance with the requirements of the CoCs and this plan. Weekly inspections will focus on the following key issues:

- Presence and maintenance of firefighting equipment
- Maintenance of plant and vehicles to minimise sparks and accidental ignition
- Maintenance of buffer zones.

An Environmental Inspection Checklist will be used to maintain compliance and effectiveness of controls. Items that require action will be documented during environmental inspection and notified to the relevant Site Supervisor. The Site Supervisor will be responsible for providing appropriate resources in terms of labour, plant and equipment to enable the items to be rectified in the nominated timeframes.

Daily inspections and maintenance of controls will be made by the Site Supervisor and maintenance will be recorded in site diaries during active site works.

4.2 Environmental Auditing and Reporting

Auditing and reporting will be undertaken in accordance with Section 4.3 of the CEMP.

4.3 Non-compliances, Non-conformance and Actions

It is the responsibility of all site personnel to report non-compliances and non-conformances to the Site Supervisor and/or the Contractor's EM.

Non-compliances, non-conformances and corrective and preventative actions will be managed / addressed in accordance with Section 4.4 of the CEMP.

4.4 Review and Improvement

Review and improvement of this plan will be undertaken in accordance with the CoCs and Section 4 of the CEMP. Continuous improvement will be achieved by the ongoing evaluation of environmental management performance and effectiveness of this plan against environmental policies, objectives, and targets.

A copy of the updated plan and changes will be distributed to all relevant stakeholders in accordance with the approved document control procedure.

The most recent approved version of the BEEP will be implemented for the duration of the development.

APPENDIX A **EMPLOYEE LISTING**

[illegible]