

Lachy Taylor
Environment Advisor
AGL Macquarie Pty Limited
200 George Street
Sydney, NSW, 2000

05/06/2026

Liddell Battery and Bayswater Ancillary Works – Stage 2 BESS Biodiversity Management Plan (BMP)

Dear Mr. Taylor

Thank you for submitting the Stage 2 BESS BMP in accordance with Condition A7, Schedule 2 of the consent for the Liddell Battery and Bayswater Ancillary Works (SSD-8889679).

I note the BMP was updated for the operational phase of Stage 2; and contains the information required by the conditions of approval.

Accordingly, as nominee of the Planning Secretary, I approve the revised Stage 2 BESS BMP (Rev. Version 7, May 2026).

You are reminded that if there are any inconsistencies between the Plan and the conditions of approval, the conditions prevail.

Please ensure you make the document publicly available on the project website at the earliest convenience.

If you wish to discuss the matter further, please contact Charissa Pillay on 02 99955944.

Yours sincerely



Stephen O'Donoghue
Director
Resource Assessments

As nominee of the Planning Secretary

Liddell Power Station Battery Energy Storage System Biodiversity Management Plan

Environmental Management Strategy





Table of Contents

1. Introduction	6
1.1. Background	6
1.2. Relevant approvals and conditions	6
1.3. Scope, purpose and objectives	8
1.4. Related reports and plans	8
1.5. Authorship	8
2. The project	10
2.1. Site details	10
2.2. Project description	10
3. Relevant Legislation and Guidelines	13
3.1. Environmental Planning and Assessment Act 1979	13
3.2. Biodiversity Conservation Act 2016	13
3.3. Environment Protection and Biodiversity Conservation Act 1999	13
3.4. Other legislation	14
4. Roles and Responsibilities	15
5. Biodiversity Management Measures	16
5.1. Mitigation measures outlined in the Biodiversity Development Assessment Report (BDAR)	16
5.2. Biodiversity Management Actions	21
6. Regulatory Consultation	30



7. Compliance and Reporting	31
7.1. Project Monitoring	31
7.2. Incident Notification, Reporting and Response	34
7.3. Non-Compliance Notification	36
7.4. Complaints	36
8. Audit and Review	37
8.1. Independent Environmental Audit	37
8.2. Review Schedule	37
9. Training and Inductions	39
10. Appendix A – Regulatory Consultation	40
11. Appendix B – Fauna Handling Protocol	58

Document revision history

Date	Version	Author	Comments
27-Feb-2023	0	Neil Standen	Draft for client review
13-Mar-2023	1	Neil Standen	Draft for BCS review
12-May-2023	2	Neil Standen	Final draft for DPE review
07-Jul-2023	3	Neil Standen	Final
05-Apr-2024	4	Neil Standen	Spoil stockpiling update
10-May-2024	5	Neil Standen	Spoil stockpiling update
05-May-2025	6	Neil Standen	MOD 2 – Transmission Line Easement
8-May-2026	7	Jamie McMahon Liam Buxton Lachy Taylor	Update for operational phase

Glossary and Terms

Term	Description
AECOM	AECOM Australia Pty Ltd
AGLM	AGL Macquarie Pty Ltd
BAM	Biodiversity Assessment Method 2020
BAW	Bayswater Ancillary Works
BC Act	<i>Biodiversity Conservation Act 2016</i> (NSW)
BC Regulation	Biodiversity Conservation Regulation 2017 (NSW)
BCS	Biodiversity, Conservation and Science Directorate within the Department of Planning, Housing and Infrastructure (now CPHR)
BDAR	Biodiversity Development Assessment Report
BESS	Battery Energy Storage System
BMP	Biodiversity Management Plan
CCTV	Closed-circuit television
CPRH	Conservation Programs, Heritage and Regulation Group within the NSW Department of Climate Change, Energy, the Environment and Water (formerly BCS)
DPE	Department of Planning and Environment (now DPHI)
DPHI	Department of Planning, Housing and Infrastructure (formerly DPE)
EIS	Environmental Impact Statement
EMS	Environmental Management Strategy
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i> (NSW)
EPBC Act	<i>Environment Protection and Biodiversity Conservation Act 1999</i> (Commonwealth)
EPL	Environment Protection Licence
GWh	Gigawatt hours
ha	hectares
km	kilometre
kV	Kilovolt
LBBAWP	Liddell Battery and Bayswater Ancillary Works Project, consisting of a battery energy storage system at Liddell, decoupling works, and works associated with the ongoing operation of Bayswater
LDBS	Liddell Battery Energy Storage System
Liddell BESS	Liddell Battery Energy Storage System Stage 2 of the Liddell Battery and Bayswater Ancillary Works Project consisting of the construction of a BESS with the storage capacity to facilitate a maximum discharge of up to 500 MW for a four-hour period, or up to 2 GWh
LLS Act	<i>Local Land Services Act 2013</i> (NSW)
MNES	Matters of National Environmental Significance
MW	Megawatt
NEM	National Energy Market
POEO Act	<i>Protection of the Environment Operations Act 1997</i> (NSW)
RTS	Response to Submissions

Term	Description
SEARs	Secretary's Environmental Assessment Requirements
Site (the)	Location of the BESS
SSD	State Significant Development
V	Volt
WM Act	<i>Water Management Act 2000 (NSW)</i>

1. Introduction

AECOM Australia Pty Ltd (AECOM) was commissioned by AGL Macquarie Pty Ltd (AGLM) to prepare a Biodiversity Management Plan (BMP) for a Battery Energy Storage System (BESS) to be constructed which forms part of the Liddell Battery and Bayswater Ancillary Works Project (LBBAWP) at Liddell, NSW.

The LBBAWP is a state significant development (SSD) under the *State Environmental Planning Policy (State and Regional Development) 2011*¹, and is subject to Part 4, Division 4.7 of the *Environmental Planning and Assessment Act 1979* (EP&A Act).

An environmental impact statement (EIS) was prepared in March 2021 in accordance with the secretary's environmental assessment requirements (SEARs). Development consent (SSD-8889679) was issued by the Department of Planning and Environment (DPE) (now Department of Planning, Housing and Infrastructure (DPHI)) on 8 March 2022.

1.1. Background

AGLM is progressing with plans to facilitate the efficient, safe and reliable continuation of electricity-generating works from the Bayswater and Liddell sites. The LBBAWP contributes to this goal and will be carried out in the following stages:

- Stage 1 - Decoupling Works: Provision of alternative network connection arrangements between the Liddell 33 kilovolt (kV) switching station and associated ancillary infrastructure and potential third-party industrial energy users. The switching station also powers the ongoing operation of Bayswater power station, which remains in operation
- Stage 2 - BESS: Construction, operation and decommissioning of a BESS to replace a portion of Liddell's dispatchable electricity supply into the National Energy Market (NEM). The BESS has capacity of up to 500 megawatts (MW) and 2 gigawatt hours (GWh)
- Stage 3 - Bayswater Ancillary Works (BAW): Works associated with facilitating the ongoing operation of Bayswater power station, including maintenance, repair, replacement or expansion of ancillary infrastructure such as pumps, pipelines, conveyor systems, roads and other infrastructure
- Consolidated consents: The surrender and consolidation of various existing development consents for the current operations so as to simplify the operation of the remaining infrastructure.

This management plan has been developed for the operational phase of Stage 2 only (i.e. the BESS), which is hereinafter referred to as the Liddell BESS (LDBS).

1.2. Relevant approvals and conditions

1.2.1. Project approvals

Liddell power station was commissioned in 1971 and formed part of AGLM's integrated power generation complex. This complex also incorporates Bayswater power station (commissioned in 1985) and a range of supporting water management, coal supply, power supply and control system infrastructure.

Bayswater and Liddell power stations are regulated under several planning approvals. Most development at the Liddell site pre-dates current planning requirements enforced through the EP&A Act. However, alterations and additions after 1 September 1980 were subject to the provisions of the Act.

¹ Now State Environmental Planning Policy (Planning Systems) 2021

Development consent (SSD-8889679) was granted for the LBBAWP on 8 March 2022. This includes the voluntary surrender of some existing development consents and the consolidation of others into SSD-8889679.

LDBS does not constitute a scheduled activity and is therefore not subject to obtaining a separate EPL. The site however does sit within the boundaries of EPL 2122 and utilises licence discharge point 27 for discharge of water from site to Lake Liddell and therefore is subject to the provisions of the licence.

1.2.2. Development consent conditions

In accordance with SSD-8889679 development consent condition C1, an Environmental Management Strategy (EMS) has been prepared for the BESS Project to provide a strategic framework for the environmental management of the development. A range of subplans have been developed to support the EMS and address development consent condition C1(e)(i).

This BMP sets out the procedures for the management of potential biodiversity impacts arising from the operation and decommissioning of the BESS Project. The relevant conditions are outlined in Table 1 below.

Table 1 Development consent conditions - biodiversity management

Condition	Requirement	Response or reference
<i>Schedule 2, condition B7</i>	The Applicant must not clear any native vegetation or fauna habitat located outside the approved disturbance areas described in the EIS.	Table 3 Management Measures BO6
<i>Schedule 2, condition B8</i>	<p>Prior to commencement of native vegetation clearance, unless otherwise agreed by the Secretary, the Applicant must prepare a Biodiversity Management Plan to the satisfaction of the Secretary. This plan must:</p> <ul style="list-style-type: none"> a) be prepared by a suitably qualified and experienced biodiversity expert/s b) be prepared in consultation with the CPHR. c) describe the short, medium and long-term measures to be undertaken to manage vegetation and fauna habitat on the site d) describe measures to be implemented within the site to minimise: <ul style="list-style-type: none"> i. the amount of clearing, including investigation of design options to minimise disturbance of native vegetation for the battery energy storage system and decoupling works ii. impacts on fauna, including undertaking pre-clearance surveys and maximising the salvage of resources for habitat enhancement iii. impacts on threatened flora and fauna species or ecological communities within the development footprint and its surrounds iv. the spread of weeds and fungal pathogens 	<p>Section 1.5</p> <p>Section 6</p> <p>Section 5</p> <p>Table 3 Management Measures BO1, BO2 and BO16</p> <p>Table 3 Management Measures BO3 and BO4</p> <p>Table 3. All Management Measures</p> <p>Table 3. Management Measures BO8 to BO12</p>

Condition	Requirement	Response or reference
	v. the generation and dispersion of sediment to watercourses, and vi. light spill from night works e) include a program to monitor, evaluate and report on the effectiveness of the measures	Table 3. Management Measures BO14 and BO15 Table 3. Management Measure BO13 See Section 7.1
<i>Schedule 2, condition B9</i>	The Applicant must implement the Biodiversity Management Plan approved by the Planning Secretary.	This BMP will be provided to DPHI for approval by the Planning Secretary and will be implemented as outlined herein.

1.3. Scope, purpose and objectives

The objective of this BMP is to outline the specific actions, management systems, and procedures to be put in place in order to realise the conditions of consent relevant to the protection of biodiversity matters. This BMP has also been prepared to address the relevant requirements associated with the EIS management measures, which were further updated in the RTS (Jacobs 2021b).

The implementation of this plan is intended to manage the compliance of the project during operation with a view to avoiding unnecessary or unauthorised impacts to biodiversity, including direct impacts to flora and fauna, clearing of vegetation, damage or alteration to fauna habitat.

All works undertaken by AGLM and any contractors must comply with the environmental management measures outlined in Section 5 of this plan.

1.4. Related reports and plans

There are environmental assessments, management plans and monitoring programs for existing and proposed operations within the AGLM landholdings. The following documents are considered related and may need to be read in conjunction with this BMP.

- Liddell Battery and Bayswater Ancillary Works Project Biodiversity Development Assessment Report (BDAR)² (Jacobs, 2021b)

1.5. Authorship

Jamie McMahon (Associate Director, AECOM) was the primary author of this BMP. Jamie holds a Bachelor of Environmental Science (Honours) degree and is a certified environmental practitioner in impact assessment. Jamie has over 20 years of experience in ecological impact assessment ranging from minor private development through to large infrastructure.

The plan was reviewed by AGLM with the following amendments:

- Updating site information to reflect operational structure
- Administrative changes for consistency with the other documents in the Environmental Management System
- Updating figures to reflect infrastructure as built
- Removal of information related to decommissioning as the LDBS.

² A BDAR was prepared for the EIS (Jacobs 2021c). A revised BDAR was then prepared as part of the RTS (Jacobs 2021d). Both documents were reviewed in the development of this BMP, however the BDAR prepared as part of the RTS supersedes the EIS BDAR and is therefore reference throughout this plan



This plan will also be reviewed and updated prior to the commencement of decommissioning to ensure that all decommissioning and rehabilitation conditions and objectives are met. This update will be completed by a suitably qualified and experienced biodiversity expert as per the requirements of Condition B8(a) of the SSD 8889679.

2. The project

2.1. Site details

The AGLM landholding at Liddell is located approximately 15 kilometres (km) southeast of Muswellbrook, 25 km northwest of Singleton, and approximately 165 km west-northwest of Sydney. The total area of the AGLM landholding is approximately 10,000 ha, including the Bayswater and Liddell power station operational areas, the Ravensworth rehabilitation area, Lake Liddell and surrounding buffer lands.

Elevations within the area surrounding the AGLM landholding range from around 100 to 500 metres above sea level. The AGLM landholding is predominantly surrounded by heavy industrial land uses. The landholding itself is dominated by large-scale infrastructure associated with the Bayswater and Liddell power stations, as well as open-cut mining activities. Agricultural grazing land is also present within and surrounding the AGLM landholding. The majority of the AGLM landholding has been previously disturbed during the construction and operation of Liddell and Bayswater power stations, as well as by historic and ongoing agricultural activity.

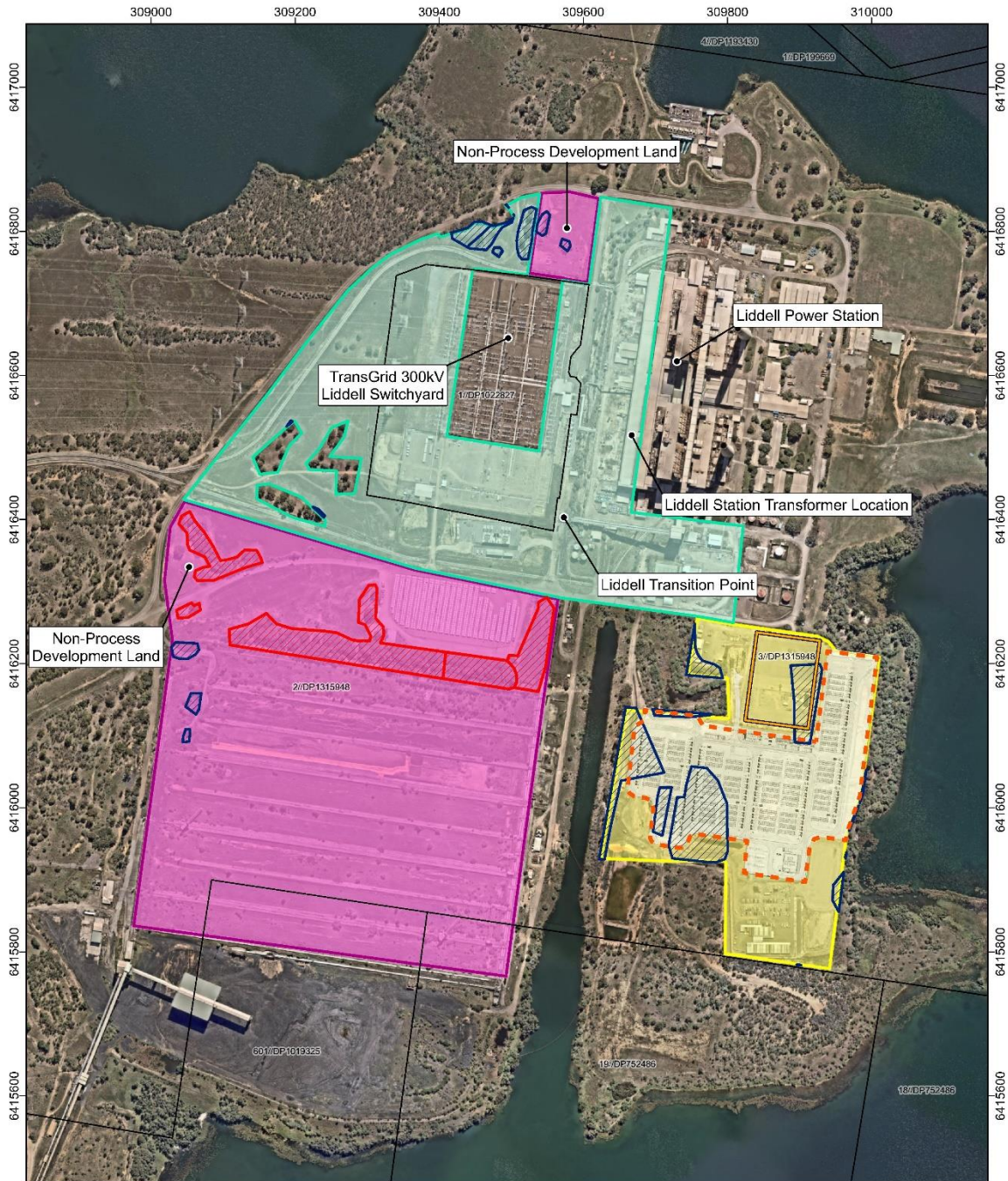
LDBS is located at the former solar array area in Figure 1 **Error! Reference source not found.** This location was selected as it is in close proximity to Liddell Power Station, is no longer required of the power station operations, and has been previously disturbed.


2.2. Project description

LDBS has the storage capacity to facilitate a maximum discharge of up to 500 MW for up to a four-hour period i.e. up to 2 GWh. LDBS is connected to the existing Transgrid 330 kV substation via a 330 kV transmission line (refer to Figure 1). LDBS comprises the following elements:

- 1,548 pre-assembled battery enclosures containing 24,768 battery modules.
- 172 inverters with 86 core transformers
- One control room, two switchgear room and a warehouse/ workshop
- 33kV reticulation system and collector switch rooms
- Overhead, underground, or a combination of both, 330 kV line to connect to TransGrid 330 kV substation
- Two 33 kV / 33kV / 330 kV three-winding transformers and 330 kV connection equipment
- Ancillary infrastructure, including water tanks for bushfire protection purposes, lightning protection, security fencing and closed-circuit television (CCTV).

The site map of the LDBS is shown in Figure 1 and a site layout is shown in Figure 2.





Liddell Battery Energy Storage Site Map


Scale: 1:5,000 at A3
GDA 1994 MGA Zone 56

Sources: AGL Energy Limited, ESRI Imagery

Disclaimer: While AGL has taken great care and attention to ensure the accuracy of the data represented on this map, no liability shall be accepted for any errors or omissions. No part of this map may be reproduced without prior permission of AGL.

LEGEND

- Stage 2 – Liddell BESS and associated works (Operational Footprint)
- Stage 2 – Liddell BESS and associated works (Approval extent)
- Stage 1 – Liddell decoupling works
- LDBS Operational footprint
- Substation
- PCT Impact - Offset required
- PCT Impact - Offset required (retired)
- Parcel boundary



File: LIDBESS_0005_A.Site

Figure 1 Site Map

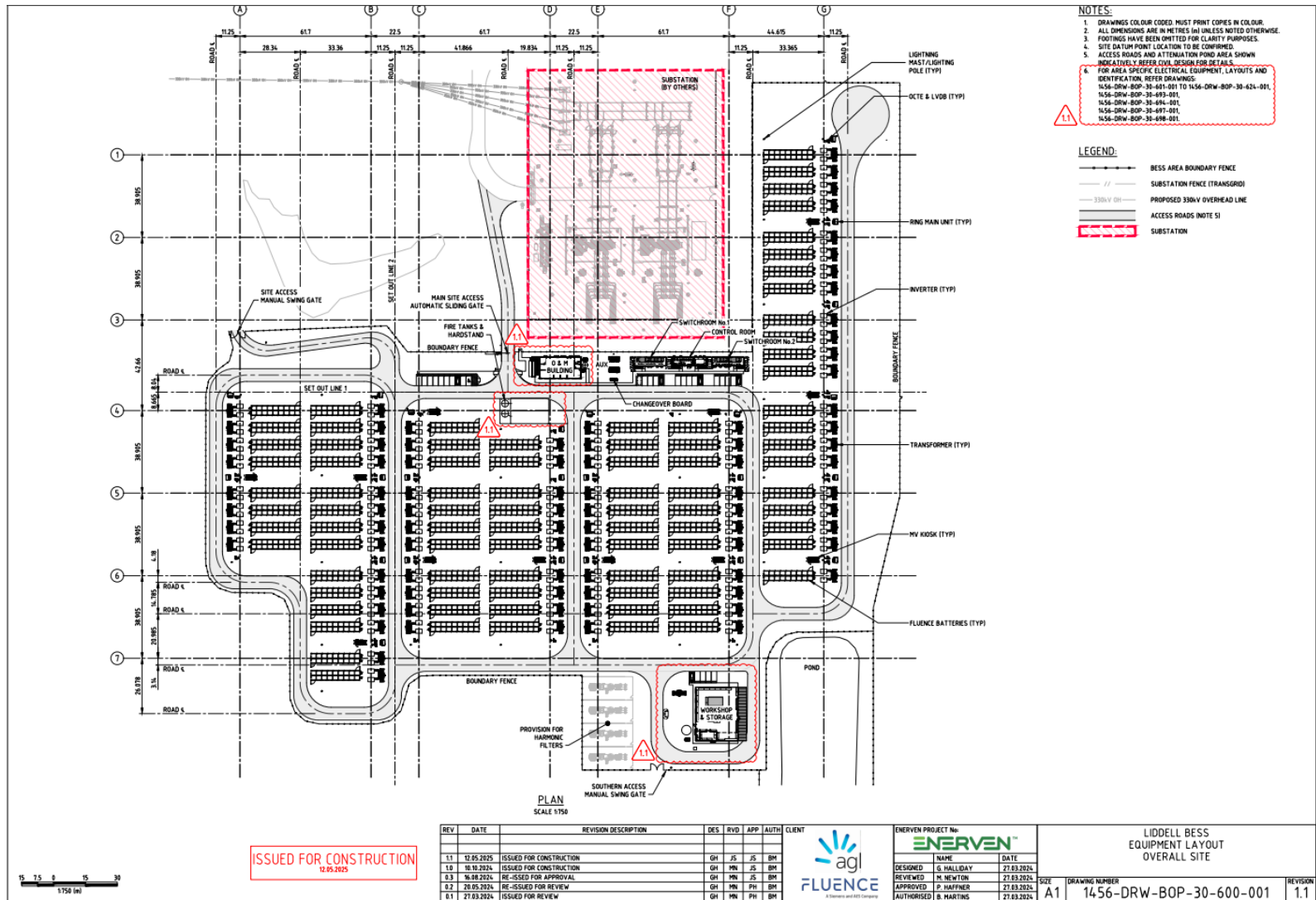


Figure 2 Site layout

3. Relevant Legislation and Guidelines

3.1. Environmental Planning and Assessment Act 1979

The EP&A Act sets out a framework for the assessment of development within NSW. This includes the assessment of development within NSW at all levels, depending on the nature of the proposed development and proponent.

As outlined in Section 1, the LBBAWP is considered to be SSD by virtue of State *Environmental Planning Policy (State and Regional Development) 2011*³. As such, the LBBAWP is subject to Part 4, Division 4.7 of the EP&A Act. This includes the requirement to prepare a scoping report from which DPHI issues SEARs. An EIS is required to be prepared according to the SEARs. The EIS for the LBBAWP was lodged in March 2021. Development consent (SSD-8889679) was issued by DPHI on 8 March 2022.

3.2. Biodiversity Conservation Act 2016

The *Biodiversity Conservation Act 2016* (BC Act) sets out requirements for the consideration of biodiversity matters relevant to development applications within NSW. In accordance with Part 7.9 of the BC Act, an application for development consent under Division 4.7 of the EP&A Act to carry out SSD must be accompanied by a BDAR unless the Planning Agency and the Environment Agency Heads determine that the project is not likely to result in a significant impact on biodiversity values.

The SEARs for the LBBAWP specified that a BDAR should be prepared in accordance with Section 4.12(8) of the EP&A Act and Schedule 2 of the *Environmental Planning and Assessment Regulations 2000*. A BDAR was prepared by Jacobs (2021a) in accordance with the *Biodiversity Assessment Method 2020* (BAM). The BDAR also took into account requirements under the *Fisheries Management Act 1994*.

3.3. Environment Protection and Biodiversity Conservation Act 1999

The *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) is Commonwealth legislation that provides the framework for the consideration and assessment of impacts relevant to Matters of National Environmental Significance (MNES), as specified by the Act. These include:

- World Heritage properties
- National heritage places
- Wetlands of international importance (Ramsar Convention)
- Listed threatened species and communities
- Migratory species listed under international agreements
- Great Barrier Reef Marine Park
- Commonwealth marine areas
- Nuclear actions
- Water resources in respect to Coal Seam Gas and large coal mines.

³ Now State Environmental Planning Policy (Planning Systems) 2021

The Act includes a process for referral of a project at the scoping stage for consideration by the Minister for the environment of the level of impact assessment required, known as a referral. A referral was made for the LBBAWP in 2020, resulting in the LBBAWP being deemed not to be a controlled action. As such, further assessment under the EPBC Act was not required, and the BDAR does not consider impacts upon matters listed in the EPBC Act.

3.4. Other legislation

The BDAR prepared for the LBBAWP's also considered the following legislation and policy:

- *Biodiversity Conservation Regulation 2017 (NSW)* (BC Regulation)
- *Biosecurity Act 2015* (NSW)
- *Local Land Services Act 2013* (NSW) (LLS Act)
- *State Environmental Planning Policy (Koala Habitat Protection) 2019*⁴
- *Water Management Act 2000* (NSW) (WM Act).

⁴ Now *State Environmental Planning Policy (Biodiversity and Conservation) 2021*

4. Roles and Responsibilities

Section 4.3 of the EMS outlines key roles and responsibilities for LDBS. Roles and responsibilities specific to this BMP are provided in Table 2.

Table 2 Roles and responsibilities

Role	Responsibility
BESS Operations Manager	<ul style="list-style-type: none"> • Overall responsibility for LDBS • Provide adequate resources for the implementation of this BMP
Site Supervisor	<ul style="list-style-type: none"> • Overall responsibility for the LDBS • Participate in awareness training when working near areas of higher biodiversity value • Assist with investigations into non-compliances, incidents or complaints relating to biodiversity
Environment Manager	<ul style="list-style-type: none"> • Oversee the implementation of this BMP • Notify regulatory authorities and affected stakeholders of incidents in accordance with this BMP • Coordinate periodic reviews of this BMP • Facilitate training of all relevant employees and contractors in accordance with this BMP
Environment Advisor	<ul style="list-style-type: none"> • Assist the Environment Manager as required in the implementation of this BMP • Coordinate investigations of biodiversity-related incidents or complaints • Coordinate the management of records required under this BMP • Provide training of all relevant employees and contractors in accordance with this BMP
All Personnel	<ul style="list-style-type: none"> • Undertake all works and activities in a manner that is compliant with the objectives and principles of this BMP • Prior to carrying out any activities which may cause impacts on biodiversity values, all relevant personnel must undergo suitable training in recognising and responding to biodiversity impacts and issues

5. Biodiversity Management Measures

5.1. Mitigation measures outlined in the Biodiversity Development Assessment Report (BDAR)

The BDAR prepared for the LBBAWP assessed potential impacts on biodiversity values in accordance with the requirements of the BAM. This includes the calculation of biodiversity offset credits required to be obtained and retired on behalf of the project. Despite these offsets, the LBBAWP also proposes a suite of mitigation measures to further avoid or reduce impacts on biodiversity values. These measures are provided in Table 3, with the specific biodiversity management actions arising from them provided in Table 4. The operational footprint refers to that shown in Figure 1.

This BMP will be reviewed prior to decommissioning to confirm the measures remain relevant for the site rehabilitation works in the context of the proposed final land use.



Table 3 Biodiversity mitigation measures within the LBBAWP RTS (Jacobs 2021b)

Potential impact	Reference	Mitigation measure	Relevance to operations	Implemented by management action
Removal of vegetation and habitat for threatened species	BO1	Exclusion zones, or 'No-Go' zones, will be mapped in the Decommissioning Plan (or relevant document), and mapping will be made available to all construction personnel.	Operational activities would be undertaken within the operational footprint, however 'No Go Zones' will be mapped and made available to Operations Personnel	Table 4, ref V3 and H1
	BO2	Woody debris (logs and mulch) produced during vegetation clearing will be re-spread over any cleared areas to protect the soil surface from erosion and to aid habitat restoration where appropriate.	Operational activities would be undertaken within the operational footprint, however may be required under emergency circumstances or during management of the APZ.	Table 4, ref R1
Injury or mortality to native fauna during vegetation clearing and construction	BO3	An inspection of native vegetation to be impacted (within the disturbance footprint) will be conducted by an ecologist immediately prior to vegetation clearing works (to confirm the absence of fauna species). A Spotter/Catcher ecologist must supervise vegetation clearing. In the unlikely event that fauna is present, works will cease until animals can be captured and removed from the disturbance footprint. Construction crews will be made aware that any native fauna species encountered must be allowed to leave site without being harassed. Trenches/holes will be inspected each morning, and any trapped fauna removed or provide a mechanism for fauna to escape, such as a soil or timber ramp.	All native vegetation clearance within the operational footprint has been completed. Unexpected finds protocol still relevant to operations.	Table 4, ref F1 and F2
	BO4	Vehicle movements on newly formed access tracks or construction zones will be limited to 20km/h speed limit implemented to reduce the risk of vehicle strike to fauna.	Relevant to operations.	Table 4, ref F3



Potential impact	Reference	Mitigation measure	Relevance to operations	Implemented by management action
Impact to topsoil and soil seed bank	BO5	Where native vegetation is removed topsoil is to be retained from excavation areas within disturbance footprint (where possible). Topsoil stockpiles will be delineated and protected from machinery compaction and contamination during construction. Topsoil will be re-spread over impacted native vegetation areas (to retain native seedbank and assist with natural revegetation). Avoid stockpiling in the vicinity of drainage lines.	Operational activities would be undertaken within the operational footprint.	Table 4, ref E2 and R1
Impact to surrounding vegetation	BO6	Accurately and clearly mark out the limits of the disturbance footprint (only where native vegetation exists). No activities, including parking and turning of vehicles and plant/equipment, will occur beyond the disturbance footprint. The disturbance footprint will be demarcated prior to the commencement of works in areas where native vegetation exists.	Operational areas are clearly delineated within the approved LDBS footprint. Operational activities would be undertaken within the operational footprint.	Table 4, ref V2 and V3
	BO7	Materials, plant, equipment, work vehicles and soil/rock stockpiles are to be placed to avoid damage to surrounding vegetation and will be outside tree drip-lines. Construction workers and vehicles will not access areas beyond delineated disturbance footprints.	Operational activities would be undertaken within the operational footprint.	Table 4, ref E1 and E2
Impacts from introduction and spread of weeds	BO8	Where possible, avoid entering areas of significant weed infestations with machinery or personnel. Weed infestations are predominantly located in the Exotic grassland areas or the PCT 1691 'regrowth' areas mapped within the development site.	Weeds will be managed during operations.	Table 4, ref W1 and W2



Potential impact	Reference	Mitigation measure	Relevance to operations	Implemented by management action
	BO9	<p>If required, weed control will be undertaken by suitably qualified and/or experienced personnel. This may include:</p> <ul style="list-style-type: none"> • Manual weed removal in preference to herbicides. • Replacing non-target species removed/killed as a result of weed control activities. • Protecting non-target species from spray drift. • Using only herbicides registered for use within or near waterways for the specific target weed. • Not applying herbicide if it is raining or if rain is expected. Mixing and loading herbicides and cleaning equipment away from waterways and drains. <p>The Decommissioning Plan will detail the procedures for the management of weeds on the development site (which will be in accordance with the requirements of the Biosecurity Act 2015).</p>	Relevant to operations	Table 4, ref W1 and W4
	BO10	During the clearing works, weeds will be disposed of and managed appropriately to stop the spread of existing weed species.	Relevant to operations	Table 4, ref W1
	BO11	Ensure vehicle and machinery hygiene measures are applied during construction and operation. Vehicle washdowns may be required for the removal of mud and plant materials.	Relevant to operations	Table 4, ref W2
Impacts from introduction and spread of plant or pathogens or	BO12	Pathogen management measures will be implemented to prevent the introduction and spread of amphibian chytrid fungus, <i>Phytophthora cinnamomi</i> and Exotic Rust Fungi. The	Relevant to operations	Table 4, ref W3



Potential impact	Reference	Mitigation measure	Relevance to operations	Implemented by management action
animal disease		Decommissioning Plan will provide a protocol for construction vehicles driving to and from site to prevent the spread or introduction of diseases.		
Increase in light, noise and vibration impacts during works	BO13	Avoid excessive noise and vibration during construction activity. Construction activities are to be carried out during diurnal hours.	Relevant to operations	Table 4, ref F3
Increased erosion and sedimentation due to the removal of vegetation	BO14	Erosion and sediment controls will remain in place until all rehabilitation has been completed. Drainage lines will be protected from runoff and stockpiling of spoil.	All temporary erosion and sediment controls from construction have been removed. Temporary erosion and sediment controls will be installed if erosion is observed during operations.	Table 4, ref E1
	BO15	Revegetation of slopes or exposed soil areas will be undertaken as soon as possible. Landscaping of exposed surfaces using native indigenous species only. Soil loss will be prevented by immediate stabilisation of exposed surfaces (e.g. use of Jute mesh and/or soil binder).	Rehabilitation measures have been undertaken prior to operations commencing. These measures will be monitored in operations to ensure they are sufficient, and native species planted are maintained and self-sustaining.	Table 4, ref R1
Fragmentation resulting in reduced connectivity	BO16	The future detailed design phase will enhance the retainment of native vegetation. Patches of native vegetation that are located near larger patches of native vegetation would be prioritised for retainment.	Construction of LDBS has been completed and no further clearing is proposed, therefore this is not relevant to operations.	Table 4, ref V1



5.2. Biodiversity Management Actions

The management actions below implement the mitigation measures and conditions of consent committed to or required by the consent for the LBBAWP. For completeness, measures relevant to decommissioning have been included, however where they are not applicable to the operational phase they have been marked in grey. Measures identified for pre-construction have been excluded as that phase has been completed.

Table 4 Biodiversity management actions

Aspect	Ref	Management action	Person responsible	Relevance to Operations	Timing/schedule
Vegetation clearing	V1	The need for vegetation clearing is to be further investigated prior to decommissioning as part of the rehabilitation strategy for the site.	Environment Manager Project Manager (Decommissioning)	Relevant to decommissioning only	Prior to decommissioning
	V2	A ground and vegetation disturbance approval must be in place prior to any works that may disturb topsoil or vegetation. This includes the provision of a completed application form for sign-off by the Environment Manager/ Environment Advisor prior to any such works taking place	Environment Manager Site Supervisor	Relevant to Operations	Operations Prior to ground disturbing works



Aspect	Ref	Management action	Person responsible	Relevance to Operations	Timing/schedule
	V3	All areas proposed to be cleared are to be fenced off with temporary fencing to avoid clearing into no-go areas. Temporary frog proof/exclusion fencing is to be installed where in close proximity to waterbodies to exclude amphibians. Artificial cover (e.g. tiles) are to be placed four weeks prior to disturbance to attract the Hunter Valley Delma.	Environment Manager Site Supervisor Project Manager (Decommissioning)	Operational activities would be undertaken within the operational footprint. In any extreme circumstances where clearing is required or during the maintenance of the asset protection zone, a Ground and Vegetation Disturbance approval will be sought before any works could commence. The GVDA approval will identify the need for subject matter expert engagement.	Specific operational circumstances – refer adjacent Prior to commencement of decommissioning
	V4	Vegetation is to be cleared according to a protocol that includes a pre-clearance survey for potential habitat features, actively nesting animals, important weed infestations and any pest species. Four to five days prior clearing, artificial cover is to be checked, and any fauna released to an undisturbed nearby area. Further advice should be sought (e.g. BCS or other expert) for relocations outside of the immediate area. Other active searches are to happen no more than 48 hours prior to clearing activities commencing and are to involve rock rolling and searching the base of some tussocks across the broader area. All clearing should be undertaken at a suitable time in terms of the occupation of the area by fauna, e.g. outside of breeding periods.	Environment Manager Site Supervisor Project Manager (Decommissioning)	As per V3	Specific operational circumstances – refer adjacent Prior to commencement of decommissioning



Aspect	Ref	Management action	Person responsible	Relevance to Operations	Timing/schedule
	V5	All vegetation cleared from the site is to be assessed and directed as appropriate by the project HSE manager. This includes the separation of weed material and the reuse of vegetation with habitat value where possible, e.g. fallen logs or tree hollows.	Environment manager Project Manager (Decommissioning)	As per V3	Specific operational circumstances – refer adjacent Prior to commencement of decommissioning
	V6	Vegetation clearance should be avoided in temperatures above 35°C where reasonable and feasible.	Environment manager	As per V3	Specific operational circumstances – refer adjacent Prior to commencement of decommissioning
Fauna management	F1	A pre-clearance survey is to be undertaken of all areas of native vegetation required to be cleared for decommissioning. This will target native fauna, with particular attention to threatened species. This will include: <ul style="list-style-type: none"> • Inspection of all tree hollows >5 cm diameter • Inspection of any burrows or drays • Should native animals be present, these are to be handled and relocated according to the fauna handling protocol in Appendix B. 	Environment manager Ecologist	As per V3	Prior to commencement of vegetation clearing
	F2	In the event of unexpected finds in relation to biodiversity (e.g. threatened species, fauna, nests, burrows or hollows) AGLM will engage an Ecologist as soon as practical. The Ecologist is to then decide the appropriate course of action depending on the situation. This may include notification of the appropriate regulator for important finds such as threatened species previously unrecorded at the site.	Environment Manager Ecologist	Relevant to Operations	Operations During decommissioning



Aspect	Ref	Management action	Person responsible	Relevance to Operations	Timing/schedule
	F3	All encounters with wildlife on site are to be managed in accordance with AGLM-HSE-PRO-009.01 Wildlife encounters	Environment Manager Ecologist	Relevant to Operations	Operations During decommissioning
	F4	A fauna handling protocol (Appendix B) is to be implemented to guide the handling and release of native and non-native fauna. This will include procedures for checking vegetation for fauna prior to clearing and allowing for dispersal prior to removal. This will also include procedures for the capture and release of native fauna and the management of non-native fauna. All such activities are to be undertaken by an experienced ecologist with an appropriate ethics licence.	Environment Manager Ecologist	Relevant to Operations	Operations During decommissioning
Direct fauna disturbance	F5	Site activities are to be designed and set up to reduce the potential for direct disturbance to native fauna. This includes: <ul style="list-style-type: none"> the minimisation of light spill into areas of adjacent vegetation by minimising the need for lighting, using directional lighting and using light shields where appropriate minimising the potential for noise disturbance where possible through the reduction of noise according to the noise and vibration management plan design of roads and access tracks to avoid the potential for vehicle strike as far as practicable, e.g. preferencing access tracks through already cleared areas rather than adjacent to vegetated areas 	Environment Manager Site Supervisor	Operational activities would be undertaken within the operational footprint. Site traffic will travel along established roads to, from and within the LDBS.	Operations Prior to decommissioning



Aspect	Ref	Management action	Person responsible	Relevance to Operations	Timing/schedule
Fauna habitat	H1	'No-Go' zones will be designated to prevent unnecessary encroachment into adjacent fauna habitat. These zones are to be set out based on the limit of works identified in the detailed design.	Site Supervisor Environment Manager	As per V3	Operations Prior to commencement of decommissioning
	H2	Any hollows greater than 5 cm diameter in trees to be cleared are to be retained. These are to be stored safely on site for later reuse during the site rehabilitation stage (see action R1 below).	Environment Manager Site Supervisor Project Manager (Decommissioning)	As per V3	Specific operational circumstances – refer adjacent During early and late stages of decommissioning
	H3	Woody debris (logs and mulch) from areas of native vegetation required to be cleared is to be retained. This material is to be stored for later re-spreading over rehabilitated areas of the site.	Environment Manager Site Supervisor Project Manager (Decommissioning)	As per V3	Specific operational circumstances – refer adjacent During early and late stages of decommissioning
Weed and pathogen control	W1	The monitoring of weed emergence is to be undertaken as per the requirements outlined in Table 5. Where emerging weed issues are identified, corrective action is to be taken, which may include the use of herbicide, direct removal or other means. The least disruptive method for appropriately dealing with weeds is to be selected on a case-by-case basis.	Environment Manager Site Supervisor	Relevant to operations	Operations During decommissioning
	W2	Vehicles are to be monitored for the potential for introducing weeds into the site or transporting weeds out of the site as per the requirements outlined in Table 5.	Environment Manager Site Supervisor	Relevant to operations	Operations During decommissioning



Aspect	Ref	Management action	Person responsible	Relevance to Operations	Timing/schedule
	W3	The potential for the introduction of pathogens to be managed on a risk basis. This includes the introduction of diseases such as Phytophthora, myrtle rust and chytrid fungus. The potential for such introduction is to be considered by the Environment Manager based upon the specific activities taking place (e.g. transporting of vegetative material or movement of equipment from known or suspected area of infestation). In the event that such import or export of pathogens is suspected, vehicle, machinery and equipment washdowns are to take place using appropriate methods.	Environment Manager Site Supervisor	Relevant to operations	Operations During decommissioning
	W4	Upon completion of decommissioning, all areas of exposed soil or disturbance must be monitored for weed emergence or infestation as per the requirements outlined in Table 5. The timing of weed control works should be determined in consultation with a suitably qualified Bush Regeneration or Weed Management Contractor. Weed control is to be undertaken at least as frequently as outlined in Table 5, or more frequently if advised by a suitably qualified Bush Regeneration or Weed Management Contractor.	Environment Manager	Not applicable to operations	Post-decommissioning
Erosion and sediment control	E1	The requirements of the soil and water management subplan will be implemented in full with respect to the protection of biodiversity values within and around the site. These measures are to be reviewed with respect to specific potential impacts on biodiversity values within and around the site (e.g. frog habitat) and augmented as appropriate to avoid or reduce these impacts.	Environment Manager	Relevant to Operations	Operations Prior to and during decommissioning



Aspect	Ref	Management action	Person responsible	Relevance to Operations	Timing/schedule
	E2	Where soil is proposed to be removed from areas of native vegetation, the topsoil will be reserved and stockpiled for later reuse. This is to be stockpiled in suitable areas away from drainage lines and covered with a waterproof membrane until required for rehabilitation.	Environment Manager Site Supervisor Project Manager (Decommissioning)	As per V3	Specific operational circumstances – refer adjacent During decommissioning



<p>Site rehabilitation</p>	<p>R1</p>	<p>The site is to be rehabilitated upon completion of the decommissioning and demolition activities. This will be undertaken according to the following methodology (depending on the future land use and rehabilitation objectives of the site):</p> <ul style="list-style-type: none"> • Construction plant and equipment is demobilised from the site • Areas subject to earthworks are assessed for their potential to support rehabilitated vegetation. If areas are not suitable stored topsoil is to be used to provide a planting layer • Areas to be rehabilitated back to grass will be hydromulched or direct seeded onto the site. Non-native seed mix may be used for these areas to encourage rapid cover and to avoid colonisation by weeds • Areas proposed to be returned to native vegetation will be re-covered with coarse woody debris stored at the start of vegetation clearing works. These areas would then be replanted with suitable local native species. Replanting is preferred over regeneration due to the impoverished seed bank and in order to encourage rapid growth prior to colonisation by weeds. Tree guards are to be used to protect against attack by herbivores. Watering is to occur at least every three days for four weeks to encourage establishment. Weeds are to be monitored and removed for four weeks after planting and quarterly after that for 12 months. • Any retained hollows from felled trees are to be reinstalled in mature trees to restore arboreal habitat value. 	<p>Environment Manager Project Manager (Decommissioning)</p>	<p>Not relevant to operations</p>	<p>During late stages of decommissioning</p>
----------------------------	-----------	---	---	-----------------------------------	--



Aspect	Ref	Management action	Person responsible	Relevance to Operations	Timing/schedule
		All of the above activities are to be undertaken in consultation with the project Environment Manager.			
	R2	Species for rehabilitation activities are to be selected based upon the relevant plant community types present across the broader Liddell site. These plants should be sourced from a suitable native plant nursery with experience in the provision of local native species for rehabilitation activities.	Environment Manager Project Manager (Decommissioning)	Not relevant to operations	During late stages of decommissioning

6. Regulatory Consultation

AGLM have corresponded with various stakeholders during the development of the LBBAWP, including the Biodiversity, Conservation and Science Directorate within DPHI (BCS) (now CPHR) (referred to in the EIS and RTS as Biodiversity Conservation Division).

Whilst the EIS was on exhibition, BCS provided a submission that included a list of recommendations for addressing information gaps or improvements to the BDAR. A revised BDAR was prepared and is attached as Appendix D to the RTS (Jacobs 2021). The revised BDAR resulted in changes to the management measures for biodiversity as proposed in the EIS.

Condition B8 (b) of SSD-8889679 states that this BMP must be prepared in consultation with the BCS. The draft BMP was submitted to BCS for review on 21 March 2023. A copy of BCS's response, along with a table outlining how BCS's comments have been addressed, is provided in Appendix A – Regulatory Consultation.

7. Compliance and Reporting

7.1. Project Monitoring

Monitoring will be undertaken as per Table 5 below, including relevant reporting as required. Monitoring not likely to be triggered in the operational phase has been highlighted in the 'Relevance to Operations' column in the table below. For completeness, measures relevant to decommissioning have been included, however where they are not applicable to the operational phase they have been marked in grey

Table 5 Project monitoring requirements

Aspect	Item	Frequency	Indicator	Relevance to Operations	Person responsible
Pre-clearance survey	An inspection of native vegetation to be impacted to confirm the absence of fauna species. Written notification will be provided to CPHR following implementation of pre-clearance and clearing protocols advising of any fauna observed or injured.	Prior to vegetation clearance works	No native fauna species detected	Operational activities would be undertaken within the operational footprint. In any extreme circumstances where clearing is required or during the maintenance of the asset protection zone, a Ground and Vegetation Disturbance approval will be sought before any works could commence. The GVDA approval will identify the need for subject matter expert engagement.	Environment manager and ecologist
Fauna inspections	Inspection of trenches/holes	Each morning	No fauna detected	Trenching is not proposed during operations, however may be required periodically if a	Environment manager and Site Supervisor

Aspect	Item	Frequency	Indicator	Relevance to Operations	Person responsible
				cable fault is being repaired	
General site inspections	Undertake site walkthrough to inspect 'No-Go' zones, decommissioning activities and any emerging issues	At least weekly	All fencing is intact and no evidence of people encroaching no-go areas. Works are being carried out in accordance with this plan	Not relevant to operations.	Site supervisor
Weeds and pathogens	Inspection of site and surrounds for presence of weeds.	Monthly <i>(Note: Frequency decreased from weekly during construction due to reduction of soil disturbance)</i>	Emerging weeds are identified as they arise	The site will be regularly monitored for weeds and managed appropriately.	Site Supervisor
	Inspection of vehicles for attached soil and other vectors for the transport of weeds and/or pathogens into and out of the construction area. Hygiene protocols should adhere to <i>Protocols to protect priority biodiversity areas in NSW from Phytophthora cinnamomic, myrtle rust, amphibian chytrid fungus and invasive plants</i> (DPIE, 2020).	During the movement of earthmoving machinery in and out of the site	New weeds or pathogens are not introduced to the site	Earthmoving equipment entering the operational area are to adhere to weed hygiene measures.	Environment manager Site Supervisor
	Inspection of all areas disturbed during	Post-decommissioning monitoring	Weeds are adequately suppressed	Not relevant to operations, however the	Environment manager

Aspect	Item	Frequency	Indicator	Relevance to Operations	Person responsible
	decommissioning for the emergence of weeds. Where weeds are identified, control is to be undertaken by a suitably qualified Bush Regeneration or Weed Management Contractor	will be detailed in the Decommissioning Plan (or similar document).	during the monitoring period	Site Supervisor will undertake a monthly site inspection which includes identification of weeds around the site, Appropriate actions will be taken to manage any areas requiring weed management.	Site Supervisor
Site rehabilitation	Inspection of the success of rehabilitation measures. This includes monitoring for weed growth, success of any revegetation and inspection of restored habitat. Where necessary this will include rectification of issues e.g. removal of emerging weeds, replanting of any planted vegetation that has died off	Post-decommissioning monitoring will be detailed in the Decommissioning Plan (or similar document). Monthly inspections for the first 12 months of operations on areas disturbed in construction.	Disturbed areas become progressively rehabilitated i.e. revegetation is successful and habitat becomes established	Monthly inspections will be undertaken in the first 12 months following construction to monitor the rehabilitation of disturbed land within the operational footprint.	Environment manager

7.2. Incident Notification, Reporting and Response

The Planning Secretary must be notified in writing via the Major Projects website immediately after AGLM becomes aware of an incident. The notification must identify the development (including the application number and the name of the development if it has one) and set out the location and nature of the incident. An incident includes non-compliances with statutory requirements, exceedances of the impact assessment criteria and/or performance criteria.

Further information on incident reporting is outlined in Section 4.5 of the EMS.

Should there be a concern that conditions of this BMP are not being met and unauthorised impacts are occurring, the following steps will be undertaken:

- Environment Manager is to be notified immediately.
- Environment Manager will notify DPHI and CPHR of the incident as soon as possible
- AGLM will engage a suitably qualified and experienced person(s) to:
 - Investigate the complaints/claims, and
 - Review the environmental performance of the construction activities to date.
- AGLM will provide DPHI and CPHR with a written report as soon as practicable that describes:
 - the nature of the non-compliance arising from the incident
 - the date and time of the incident
 - the likely cause of the incident
 - corrective actions that have been taken
 - proposed measures to address the cause of the incident and to avoid similar incidents in the future.

If/when an incident or non-compliance occurs it is to be recorded. This record should also include:

- Reasons why the incident occurred including any systemic issues that contributed
- Any other contributing factors e.g. wet weather
- Persons responsible
- Corrective action taken (if applicable)
- The effectiveness of corrective actions
- A review of management measures to avoid the incident or non-compliance reoccurring.

7.3. Non-Compliance Notification

The Planning Secretary must be notified in writing via the Major Projects website within seven days after AGLM becomes aware of any non-compliance.

A non-compliance notification must identify the development and the application number for it, set out the condition of approval that the development is non-compliant with, the way in which it does not comply and the reasons for the non-compliance (if known) and what actions have been, or will be, undertaken to address the non-compliance.

A non-compliance that has been notified as an incident does not need to also be notified as a non-compliance.

7.4. Complaints

Complaints and enquiries regarding Aboriginal heritage issues and any other environmental matters can be received from a number of sources, including:

- Via the complaints 24hr phone line to be set up prior to construction and advertised on the project website, newsletters and contact cards distributed within the community (1800 039 600)
- Via email. AGLCommunity@agl.com.au.
- Via mail. AGL Community Complaints and Enquiries, Locked Bag 14120 MCMC Melbourne VIC 8001

AGLM are required as part of their Environmental Management Strategy to include a complaints management procedure (Schedule 2, Part D1) which details how to receive, respond to, record and address community complaints. Liddell Power Station should utilise this procedure for issues relevant to biodiversity. It is recommended that as part of that procedure, records of all community complaints and subsequent actions be kept.

The following details should be recorded:

- date and time of the complaint
- complainant name and contact details
- the nature of the complaint
- how the complaint was made
- actions (if appropriate)
- consultation undertaken
- status (i.e. open/closed), and
- any further action required.

8. Audit and Review

8.1. Independent Environmental Audit

This BMP will be audited, as part of the Independent Environmental Audit, within 12 to 26 weeks of the commencement of operations, and then at intervals no greater than 3 years in accordance with Schedule 2, Part C of SSD-8889679:

C13. Independent Audits of the development must be conducted and carried out in accordance with the Independent Audit Post Approval Requirements (2020, or its latest version).

C14. Proposed independent auditors must be agreed to in writing by the Planning Secretary prior to the commencement of an Independent Audit.

C15. The Planning Secretary may require the initial and subsequent Independent Audits to be undertaken at different times to those specified in the Compliance Reporting Post Approval Requirements (2020, or its latest version), upon giving at least 4 weeks' notice (or timing) to the Applicant of the date upon which the audit must be commenced.

C16. In accordance with the specific requirements in the Independent Audit Post Approval Requirements (2020, or its latest version), the Applicant must:

(a) review and respond to each Independent Audit Report prepared under condition D12 of this approval, or condition D14 where notice is given by the Planning Secretary;

(b) submit the response to the Planning Secretary; and

(c) make each Independent Audit Report, and response to it, publicly available within 60 days of submission to the Planning Secretary. unless otherwise agreed by the Planning Secretary.

C17. Independent Audit Reports and the Applicant's response to audit findings must be submitted to the Planning Secretary within 2 months of undertaking the independent audit site inspection, as outlined in the Independent Audit Post Approvals Requirements (2020) unless otherwise agreed by the Planning Secretary.

C18. Notwithstanding the requirements of the Independent Audit Post Approval Requirements (2020, or its latest version), the Planning Secretary may approve a request for ongoing independent operational audits to be ceased, where it has been demonstrated to the Planning Secretary's satisfaction that independent operational audits have demonstrated operational compliance.

Any recommendations from the audit will be detailed in a report and will be implemented to the satisfaction of the DPHI.

8.2. Review Schedule

The suitability of this BMP will be reviewed in accordance with Condition C3 of SSD-8889679, that is, within three months (unless the Planning Secretary agrees otherwise), of:

- the submission of an incident report under condition C4
- the submission of an audit report under condition C13, and
- the approval of any modification to the conditions of this consent, or
- a direction of the Secretary under condition A3 of Schedule 2.



The revised plan will be submitted to DPHI for approval within four weeks of the review. If any significant modifications to the plan are required as an outcome of the review, relevant government agencies will be consulted regarding the changes prior to the plan being submitted to DPHI for approval.

9. Training and Inductions

All employees, contractors and supervisors carrying out activities that may cause impacts on biodiversity are required to complete a site induction which includes site specific biodiversity information and outlines staff legal responsibilities under the BC Act. The induction will also provide staff information on the Ground and Vegetation Disturbance Approval procedure, which is triggered whenever ground or vegetation disturbing works are proposed. The Ground and Vegetation Disturbance Approval form requires a review of biodiversity and heritage values by the environment team and strict conditions including awareness of all personnel before any works may commence.

From time to time, workforce communication and toolbox talks will allow for discussion of the objectives and requirements of this and any other relevant management plans.

Training packages will be updated as required to be relevant to the type of works being completed. Records of training will be kept and maintained in a site database.

10. Appendix A – Regulatory Consultation



Table 6 BCS comments and updates

Condition	Requirement	BMP reference	BCD recommendation – March 2023	Update made	BCD recommendation – May 2023	Response/update made	BCD recommendation – July 2023	Response/update made
Schedule 2, condition B7	The Applicant must not clear any native vegetation or fauna habitat located outside the approved disturbance areas described in the EIS.	Table 3. Management Measure BO6	No further action required.	No action	N/A	N/A	N/A	N/A
Schedule 2, condition B8	Prior to commencement of native vegetation clearance, unless otherwise agreed by the Secretary, the Applicant must prepare a Biodiversity Management Plan to the satisfaction of the Secretary. This plan must: <ul style="list-style-type: none"> be prepared by a suitably qualified and experienced biodiversity expert/s 	Section 1.8	No further action required.	No action	N/A	N/A	N/A	N/A



Condition	Requirement	BMP reference	BCD recommendation – March 2023	Update made	BCD recommendation – May 2023	Response/update made	BCD recommendation – July 2023	Response/update made
	<ul style="list-style-type: none"> be prepared in consultation with the BCS 	Section 5	No further action required.	No action	N/A	N/A	N/A	N/A
	<ul style="list-style-type: none"> describe the short, medium and long-term measures to be undertaken to manage vegetation and fauna habitat on the site 		Insufficient information provided. Provide detail to inform the short, medium and long-term measures to be undertaken to manage vegetation and fauna habitat on site, including timing and schedule	Management actions updated to indicate timing, including reference to short, medium and long-term actions.	<p>Table 4 of the BMP should be amended to include the following protocols:</p> <ul style="list-style-type: none"> pre-clearance surveys should be conducted at a maximum 48 hours prior to scheduled works works should be scheduled outside breeding and torpor season for species likely to occur on site works should not occur during temperatures exceeding 35°C. 	<p>This detail is largely already included in action V4 though the following update has been made:</p> <p><i>Vegetation is to be cleared according to a protocol that includes a pre-clearance survey for potential habitat features, actively nesting animals, important weed infestations and any pest species. This is to happen no more than 48 hours prior to clearing activities commencing. All clearing should be undertaken at a suitable time in terms of the occupation of the area by fauna, e.g. outside of breeding periods.</i></p> <p>The third point has not been included as it is not practical on the</p>	<ul style="list-style-type: none"> Best practice techniques will be used to minimise impact to the Hunter Valley (HV) Delma. This should include: <ul style="list-style-type: none"> active searches immediately prior to clearing (e.g. rock rolling, searching the base of some tussocks) across the broader area the placement of artificial cover (e.g. placement of tiles to attract HV Delma) preferably four weeks prior to disturbance of 	<ul style="list-style-type: none"> Actions V3 and V4 have been updated to include more detail on placing artificial cover and undertaking active pre-clearance searches for fauna.



Condition	Requirement	BMP reference	BCD recommendation – March 2023	Update made	BCD recommendation – May 2023	Response/update made	BCD recommendation – July 2023	Response/update made
						<p>basis that works will need to be undertaken in summer where the temperature may exceed 35°C on occasion. Works will occur up to temperatures approved by the on-site health and safety requirements.</p>	<p>areas where the HV Delma may occur. Four to five days prior to the day of clearing artificial cover should be checked, and any fauna released to an undisturbed nearby area. Note: Further BCD and/ or expert advice may be required if translocation is proposed (i.e. a process that generally requires an approved translocation plan supported by a scientific license and translocation plan/risk</p>	<ul style="list-style-type: none"> Action V6 has been added to include safeguard for temperatures above 35°C. Action V3 has been updated to include placement of amphibian fencing



Condition	Requirement	BMP reference	BCD recommendation – March 2023	Update made	BCD recommendation – May 2023	Response/update made	BCD recommendation – July 2023	Response/update made
							<p>matrix). For example release areas would preferably be surveyed in accordance with requirements for the HV Delma as outlined in the DPE Threatened reptile BAM survey guidelines to ensure any impact to adjoining population does not occur. Note: Future Staged BMPs will be required to include more detail with regard to management and mitigation</p>	



Condition	Requirement	BMP reference	BCD recommendation – March 2023	Update made	BCD recommendation – May 2023	Response/update made	BCD recommendation – July 2023	Response/update made
							<p>of this species.</p> <ul style="list-style-type: none"> • Best endeavours will be made to avoid clearing at temperatures greater than 35°C to minimise impact to displaced fauna • Temporary frog proof / exclusion fencing should be installed where in close proximity to waterbodies to exclude amphibians 	
	<ul style="list-style-type: none"> • describe measures to be implemented within the site to minimise: • the amount of clearing, including investigation of design options to minimise disturbance of 	Table 3 Management Measures BO1, BO2 and BO16	No further action required.	No action	N/A	N/A	N/A	N/A



Condition	Requirement	BMP reference	BCD recommendation – March 2023	Update made	BCD recommendation – May 2023	Response/update made	BCD recommendation – July 2023	Response/update made
	native vegetation for the battery energy storage system and decoupling works							
	<ul style="list-style-type: none"> impacts on fauna, including undertaking pre-clearance surveys and maximising the salvage of resources for habitat enhancement 	Table 3. Management Measures BO3 and BO4	<p>Inadequate information provided to satisfy that impacts to fauna will be avoided or minimised. Provide the following information:</p> <ul style="list-style-type: none"> define protocol referred to in Table 4, V4 and F1 timing of pre-clearance survey methodology of pre-clearance and clearing, including target species and release procedure. 	<ul style="list-style-type: none"> Protocol for fauna handling is outlined in Appendix B – Fauna Handling Protocol Timing of the pre-clearance survey is provided in Table 4 Methodology for pre-clearance included in measure F1 Unexpected finds protocol included as action F2 	<p>Inadequate information has been provided to satisfy impacts to fauna will be avoided or minimised. The following information should be added to the plan:</p> <ul style="list-style-type: none"> methodology of pre-clearance and clearing, including target species and release procedure, including Hunter valley delma (Delma vescolineata) communication should occur with rescue agencies and 	<ul style="list-style-type: none"> A methodology for pre-clearance surveys and management of fauna interactions during construction has already been provided in the main body of the BMP and Appendix B. This would include interactions with the Hunter Valley Delma. No further detail is warranted. Advance communication with local vets and rescue agencies is unprecedented and unnecessary, particularly in the 	<ul style="list-style-type: none"> Written notification will be provided to BCD following implementation of pre-clearance and clearing protocols completed by the site ecologist advising of any fauna observed or injured fauna particularly of the HV Delma 	<ul style="list-style-type: none"> Table 5 updated to include notification to BCD following vegetation clearance protocols.



Condition	Requirement	BMP reference	BCD recommendation – March 2023	Update made	BCD recommendation – May 2023	Response/update made	BCD recommendation – July 2023	Response/update made
			<ul style="list-style-type: none"> unexpected finds protocol methodology to maximise salvaging of resources for habitat enhancement. 	<ul style="list-style-type: none"> Salvage methodology included in action F1 	<ul style="list-style-type: none"> local veterinarians prior to the commencement of clearing to confirm the availability of resources for any captured/injured fauna that is unable to be released specify in detail what will happen to displaced threatened fauna, and if it proposes relocation / translocation, then the BMP should provide what measures (e.g. monitoring) will be employed to minimise any detrimental effects on existing faunal populations and adjacent habitat. 	<ul style="list-style-type: none"> context of the site 's long history of heavy industrial activity and the general lack of good quality habitat. Such a requirement may be suitable for work in or near high quality habitat such as a major road upgrade through undisturbed native vegetation, but is highly inappropriate for this project. For the reasons outlined above, the potential for encountering fauna is expected to be very low. For any fauna that is rescued, the broader AGL-owned site at Liddell provides numerous suitable locations for 		



Condition	Requirement	BMP reference	BCD recommendation – March 2023	Update made	BCD recommendation – May 2023	Response/update made	BCD recommendation – July 2023	Response/update made
					<ul style="list-style-type: none"> release sites should be identified and mapped prior to clearing and all appropriate approvals granted by the landholders. <p>Table 5 of the BMP should be amended to include the following:</p> <p>fauna inspections should be undertaken by a suitably qualified ecologist. Project ecologist should be the person responsible for fauna inspections.</p>	<p>release. A decision on the location, timing and circumstances of such releases is intended to be left to the fauna rescuer at the relevant time, who can make the decision based upon relevant information such as weather, other construction activities, and the species' habitat preferences.</p> <ul style="list-style-type: none"> Table 5 has been amended to require all fauna inspections to be undertaken by the project ecologist. 		
	<ul style="list-style-type: none"> impacts on threatened flora and fauna species or ecological communities within the 	Table 3. All Management Measures	Table 4 of the BMP refers to site rehabilitation. Provide the following information:	<ul style="list-style-type: none"> The proposed rehabilitation areas have not been defined at the time of writing. This is as a 	Table 1A of the BMP states 'The proposed rehabilitation areas have not been defined at the time of writing. However,	The project will be delivered in two stages - demolition, which will occur in mid-2023 and then construction of the battery, which will not commence until very late 2023 or early 2024.	<ul style="list-style-type: none"> Further medium to long term measures to manage vegetation and fauna habitat on the site, particularly with regard to site 	<ul style="list-style-type: none"> Noted Noted



Condition	Requirement	BMP reference	BCD recommendation – March 2023	Update made	BCD recommendation – May 2023	Response/update made	BCD recommendation – July 2023	Response/update made
	development footprint and its surrounds		<ul style="list-style-type: none"> location of proposed rehabilitation areas, including a figure methodology to rehabilitate areas monitoring and reporting rehabilitation. 	<p>requirement for the Contractor to include in its Construction Environmental Management Plan (CEMP)</p> <ul style="list-style-type: none"> Rehabilitation methodology provided in action R1 Monitoring and reporting actions enhanced in section 7.1 	<p>BCD understands that it is as a requirement for the Contractor to include this in its Construction Environmental Management Plan (CEMP).</p> <p>Section 5.1 of the BMP cross references the CEMP in a number of instances and therefore, BCD requests that the CEMP is provided and reviewed in conjunction with the BMP.</p>	<p>The demolition activities will be undertaken under appropriate environmental controls, though would not require clearing of vegetation or disruption of natural habitat. A CEMP will be developed in advance of the construction phase in later 2023. Neither the CEMP nor demolition environmental controls will be available for review alongside the BMP.</p> <p>It is not clear why BCD requires the specific locations of rehabilitation activities, noting that they do not object to the rehabilitation methodology or monitoring regime to be applied to these areas. This rehabilitation methodology and monitoring can be applied to any/all areas disturbed by construction activities to the standard described in this BMP.</p>	<p>rehabilitation, will be clarified in the CEMP and would be consistent with the intent of condition B8 and the associated BMP.</p> <ul style="list-style-type: none"> Reporting on the effectiveness of measures required under Condition B8 will be provided as part of independent environmental audit reporting requirements. 	



Condition	Requirement	BMP reference	BCD recommendation – March 2023	Update made	BCD recommendation – May 2023	Response/update made	BCD recommendation – July 2023	Response/update made
	<ul style="list-style-type: none"> the spread of weeds and fungal pathogens 	Table 3. Management Measures BO8 to BO12	<p>Further detail required to ensure spread of weeds and pathogens is minimised and controlled. Provide the following additional information:</p> <ul style="list-style-type: none"> define who is responsible for weed monitoring define who is responsible for ensuring hygiene protocols are adhered to further methodology for weed and pathogen prevention. <p>Amend the BMP to include the following mitigation measures:</p>	<ul style="list-style-type: none"> Responsibility for weed management specified in Table 5 Responsibility for hygiene protocols specified in Table 5 Further detail is included in Table 4 	<p>Amend Table 5 of the BMP to include the following:</p> <ul style="list-style-type: none"> that a suitably qualified Bush Regeneration or Weed Management Contractor as a person responsible <p>the frequency and timing of weed control should be reviewed in consultation with the Bush Regeneration or Weed Management Contractor.</p>	<ul style="list-style-type: none"> Table 5 has been updated to allocate responsibility for weekly weed inspections to the project ecologist instead of the environment manager. This is on the basis that the project ecologist will already be on site and will have suitable knowledge of the relevant weeds in this location. The requirement to bring in a Bush Regeneration or Weed Management Contractor is not feasible for such frequent inspections (weekly, as 	N/A	N/A



Condition	Requirement	BMP reference	BCD recommendation – March 2023	Update made	BCD recommendation – May 2023	Response/update made	BCD recommendation – July 2023	Response/update made
			<ul style="list-style-type: none"> weed control should be implemented by a suitably qualified Bush Regeneration or Weed Management Contractor frequency and timing of weed control should be revised in consultation with the Bush Regeneration or Weed Management Contractor hygiene protocols should adhere to Protocols to protect priority biodiversity areas in NSW from Phytophthora cinnamomic, myrtle rust, amphibian chytrid fungus 	<ul style="list-style-type: none"> Responsibility for weed management specified in Table 5 Frequency and timing of weed management specified in Table 5. Including consultation with Bush Regeneration or Weed Management Contractor Updated hygiene protocols to include reference DPIE protocol 		<p>outlined in Table 5).</p> <ul style="list-style-type: none"> The frequency of weed inspection and control has already been specified in Table 4 and Table 5 (i.e. weekly). Further consultation with a Bush Regeneration or Weed Management Contractor is not warranted. 		



Condition	Requirement	BMP reference	BCD recommendation – March 2023	Update made	BCD recommendation – May 2023	Response/update made	BCD recommendation – July 2023	Response/update made
			and invasive plants (DPIE, 2020)					
	<ul style="list-style-type: none"> the generation and dispersion of sediment to watercourses, and 	Table 3. Management Measures BO14 and BO15	Provide the following additional detail regarding landscaping: <ul style="list-style-type: none"> Species to be planted methodology to source native indigenous species monitoring, reporting and performance indicators 	<ul style="list-style-type: none"> Specified that species should be selected based on the relevant local PCTs Added methodology for sourcing native species Provided indicators for monitoring performance 	Table 4 of the BMP states ‘Non-native seed mix may be used for these areas to encourage rapid cover and to avoid colonisation by weeds.’ Exotic vegetation should not be included in the landscaping plan. Provide the following	<ul style="list-style-type: none"> With use of sterile, non-native seed mix in hydromulching (such as rye or millet) is common practice for the rapid stabilisation of disturbed areas, particularly where a native seedbank is absent. Whilst native species would always be preferred, the use of a non-native mix allows the rapid cover of the area and suppresses the potential growth of weeds that are more difficult to control than the rye or millet mix. It should also be noted that this is a heavy industry site and as such the 	N/A	N/A



Condition	Requirement	BMP reference	BCD recommendation – March 2023	Update made	BCD recommendation – May 2023	Response/update made	BCD recommendation – July 2023	Response/update made
					additional detail regarding landscaping: <ul style="list-style-type: none"> species to be planted methodology to source native indigenous species. 	provision of any vegetation cover, native or otherwise, is a substantial improvement over the existing situation. <ul style="list-style-type: none"> This comment does not appear to consider updates made in the previous round. Please refer to previous updates made for details on species to be selected and how they will be sourced. 		
	<ul style="list-style-type: none"> light spill from night works 	Table. 3 Management Measure BO13	Provide additional information to inform how light spill and noise will be contained	Additional detail added regarding controlling light spill and noise	No further action required	No further action	N/A	N/A
	<ul style="list-style-type: none"> include a program to monitor, evaluate and report on the effectiveness 	See Section 7.1	Amend section 6.1 of the BMP to include further detail regarding the program. The program should include:	<ul style="list-style-type: none"> Updated Table 4 Table 5 to provide management of environmental 	Amend section 7 of the BMP to include further detail regarding the program. The program should include:	<ul style="list-style-type: none"> The request here appears to be a repeat of that provided previous with no acknowledgement 	N/A	N/A



Condition	Requirement	BMP reference	BCD recommendation – March 2023	Update made	BCD recommendation – May 2023	Response/update made	BCD recommendation – July 2023	Response/update made
	of the measures		<ul style="list-style-type: none"> impacts and environmental performance of the development specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the development or any management measure details to report the effectiveness of any management measures details to investigate and implement ways to improve the environmental 	<ul style="list-style-type: none"> impacts and performance Provided specific performance indicators in Table 5 Provided for additional reporting requirements including effectiveness of measures Provided methods to investigate and improve environmental management Protocol for incidents and complaints, and non-compliances provided in section 7 	<ul style="list-style-type: none"> specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the development or any management measure Table 5 of the BMP uses broad indicators such as ‘Disturbed areas become progressively rehabilitated.’ The indicators should be expanded to include thresholds specific to the site. details to report the effectiveness of any 	<ul style="list-style-type: none"> of the specific performance indicators provided in the last round. The indicators provided are sufficient. No further action. The indicators provided are adequate for measurement of the performance of site activities, noting the heavily degraded state from which it is commencing. No further detail is warranted or beneficial. This comment does not appear to consider updates made in the previous round. Please see section 7.2 for detail concerning how the effectiveness of measures would be recorded. 		



Condition	Requirement	BMP reference	BCD recommendation – March 2023	Update made	BCD recommendation – May 2023	Response/update made	BCD recommendation – July 2023	Response/update made
			<p>performance of the development over time</p> <ul style="list-style-type: none"> a protocol for managing and reporting any incidents complaints, non-compliances with statutory requirements and exceedances of the impact assessment criteria and/or performance criteria 		<p>management measures</p> <ul style="list-style-type: none"> details to investigate and implement ways to improve the environmental performance of the development over time exceedances of the impact assessment criteria and/or performance criteria Monitoring Reports should be submitted to BCD. 	<ul style="list-style-type: none"> The provision of additional detail around how to improve performance over time is not warranted for the relatively low impact nature of construction and the highly passive nature of operation. This request is unnecessarily onerous for a development of this nature. This comment does not appear to consider updates made in the previous round. Please see section 7.2 for detail on how incidents would be managed, including the exceedance of impact 		



Condition	Requirement	BMP reference	BCD recommendation – March 2023	Update made	BCD recommendation – May 2023	Response/update made	BCD recommendation – July 2023	Response/update made
						<p>assessment criteria.</p> <ul style="list-style-type: none"> Monitoring reports will not be provided to BCD. This requirement is not a condition of consent. However, all monitoring reports will be reviewed and actioned internally to ensure the maintenance of a high standard of biodiversity management within the development. 		
<i>Schedule 2, condition B8 (a)</i>	The Applicant must implement the Biodiversity Management Plan approved by the Planning Secretary.	This BMP will be provided to DPE for approval by the Planning Secretary and will be implemented	Refer to other recommendations above	No additional action	Amend as requested above	No additional action	N/A	N/A



Condition	Requirement	BMP reference	BCD recommendation – March 2023	Update made	BCD recommendation – May 2023	Response/update made	BCD recommendation – July 2023	Response/update made
		as outlined herein.						

11. Appendix B – Fauna Handling Protocol

Introduction

The purpose of this protocol is to provide guidance with regard to the effective management of native fauna encountered on construction project sites. Given the disturbance to the local habitat, which often occurs during site construction activities, there is potential for native fauna to traverse onto or across construction sites. In such circumstances, there is a high risk of harm to native fauna (e.g. being struck by plant, tools or vehicles) or contact with fauna, including species that may pose a threat to human safety, such as venomous snakes and spiders.

This guideline is designed to provide construction personnel with an understanding of how to:

- avoid and/or minimise construction-related impacts on fauna and fauna habitat
- manage occurrences involving fauna on or adjacent to construction sites.

Legislative requirements

Table B.1 identifies legislation and regulations relevant to protecting and managing fauna in NSW. Significant penalties exist for legislation breaches due to unauthorised impacts on fauna and associated habitats.

To avoid breaches, AGL and its contractors must be aware of their legislative obligations and implement appropriate management measures to avoid impacts on fauna and habitats. Contractors must undertake due diligence to identify other legislative requirements that may apply to a project.

Table 7 Legislative and guidelines for the management of fauna and habitats in NSW

Requirements	Objectives
Environmental Protection and Biodiversity Conservation Act 1999 (Commonwealth) (EPBC Act)	<p>Seeks to protect the environment, especially those aspects of the environment that are matters of national environmental significance (MNES). Listed threatened species and ecological communities are listed as MNES.</p> <p>A person who proposes to take action that will have or is likely to significantly impact an MNES must refer that action to the Minister for a decision on whether assessment and approval are required under the EPBC Act.</p> <p>It is an offence to take such an action without approval. Depending on the specific offence, penalties can include seven years imprisonment (for an individual) and up to \$5.5 million civil penalty for a corporation.</p>
Biodiversity Conservation Act 2016	<p>Seeks to conserve biological diversity and promote ecologically sustainable development, prevent extinction and promote recovery of threatened species, populations and endangered ecological communities.</p> <p>Harming any fauna or flora listed under the Act is a criminal offence.</p>

Requirements	Objectives
	<p>It is an offence to contravene an order from the Director General for an action likely to result in the picking of threatened species, populations or ecological communities or damage to their habitat.</p> <p>Maximum penalties for a corporation are \$1.1 million plus \$110,000 per day the offence continues.</p> <p>Offences do not apply if the action has been authorised under another Act (e.g. if a licence has been granted under the National Parks and Wildlife Act 1974).</p>
National Parks and Wildlife Act 1974	<p>Seeks to conserve nature, including habitat, biological diversity and species.</p> <p>It is an offence to harm native fauna (as listed in Schedule 11 of the Act). The maximum penalty for doing so is \$11,000 plus \$1,100 in respect of each whole plant affected by the action and/or six months imprisonment.</p> <p>Offences do not apply if the action has been authorised under another Act (e.g. licence granted under the BC Act).</p>
Fisheries Management Act 1994	<p>Seeks to conserve fish stocks and key fish habitats, threatened species, populations and ecological communities of fish and marine vegetation and promotes ecologically sustainable development, including the conservation of biological diversity.</p> <p>It is an offence for a person to be in possession of fish that were illegally taken. The maximum penalty is: for an individual, \$22,000 and/or six months imprisonment for the first offence, or \$44,000 plus and/or 12 months imprisonment, and for a corporation, \$110,000 for a first offence, or \$220,000 plus a subsequent offence.</p>

A detailed list of threatened species publications can be found on the [NSW Government Environment and Heritage website](https://www.environment.nsw.gov.au/)⁵. The list includes:

- endangered and vulnerable species profiles
- pest management plans
- threat abatement plans
- policies and guidelines
- brochures, newsletters and fact sheets.

⁵ <https://www.environment.nsw.gov.au/>

Fauna management protocol

Prior to decommissioning

Prior to the commencement of decommissioning, the following fauna management measures should be implemented:

- review the Environmental Impact Assessment (EIA) to identify the location of potential fauna habitat and fauna sightings on or adjacent to the site
- incorporate relevant fauna management measures identified in the EIA into the site induction, toolbox talk and pre-start meetings
- incorporate fauna management measures identified in the EIA into the project design and environmental management plans
- establish contracts with external specialists/agencies to attend the site and remove or relocate fauna. This may be a local suitably qualified fauna handler or an agency such as WIRES.
- protect vegetation, which may provide a habitat for fauna species
- install signs clearly identifying areas of potential fauna habitat
- plan works with consideration to habitat corridors (connectivity), fauna mobility and nesting times
- undertake fauna pre-clearance survey with the assistance of an ecologist where required

Design considerations

Considering how the temporary and permanent design may affect fauna can significantly reduce detrimental impacts and provide benefits to fauna. Incorporation of 'fauna friendly' features into the design is considered in the EIA and may include:

- maintenance of habitat corridors to allow fauna movement
- provision of habitat via landscaping species selection, retention of logs, drainage design
- protection of riparian zones
- maintenance of waterways to allow fish passage
- features to facilitate fauna movement across, over or under sites
- minimising impacts of lighting.

Pre-clearance surveys

Where required by the EIA, an ecologist should conduct a survey of the area to be cleared before clearing any vegetation. The ecologist is to identify and mark (e.g. with coloured tape or spray paint) any vegetation with fauna habitat potential within the clearing boundary and provide recommendations on how to minimise potential impacts to fauna.

Such recommendations may include:

- retaining or partially retaining the habitat
- knock tree trunks 24 hours prior to removal to encourage fauna to escape
- provision of nest boxes in an alternative location
- removal and relocation of fauna
- the need for the ecologist to be present during vegetation clearing, trimming or decommissioning activities within or adjacent to sensitive habitat areas

- listing any threatened species or habitat trees to be protected and retained on an appropriate project register.

The time between the completion of these surveys and the commencement of works in and around the survey area should be kept to a minimum to ensure that the survey results accurately represent the area's habitat profile at the time of the works.

During decommissioning

Measures to minimise potential impacts to fauna and fauna habitat as a result of decommissioning activities typically include:

- managing the site to minimise trap hazards and potential burrow/nest areas for fauna. For example, covering trenches, open pits and excavations, covering/stabilising unconsolidated materials and reducing the gradient of uncovered slopes
- implementing a protocol for encounters with fauna to minimise the potential of harm to fauna and site personnel
- avoid contact with poisonous fauna and ensure first aid kits are available to all personnel
- providing photographs and information on site notice boards showing local fauna and pests known to occur in the area
- managing the site to discourage pests
- managing the site to minimise adverse impacts on fauna habitat
- salvaging potential fauna habitat, i.e. hollow logs from clearing where possible and reinstating in appropriate locations
- regularly inspecting the site to monitor implementation and compliance with fauna protection measures
- providing ongoing training (e.g. toolbox talks and pre-start briefings) in response to fauna sightings, fauna-related incidents, or changing project conditions.

Management of encounters with fauna

- Encounters with fauna should be managed to minimise potential harm to the fauna and site personnel. A site protocol should be established and consider the following actions:
- contact the environment manager and site supervisor immediately
- where an animal is traversing the worksite, avoid any contact, and it may exit the site without the need for further action
- if there is potential for site activities to cause harm to the animal, cease activities in the vicinity
- if the animal is potentially dangerous (e.g. poisonous snake or spider), cease activities and advise all personnel to leave the area
- if the animal is trapped, injured or shows signs of disease, or is potentially dangerous, contact the fauna handler or WIRES to remove and treat the animal
- any harm caused to an animal by decommissioning activities or personnel, particularly threatened species, is an environmental incident requiring reporting and investigation.

Pest management

Pests compete with native fauna for food sources and habitat, may cause direct harm to native fauna through predation, and can cause health risks for humans. Early detection of pest incursions and rapid response is the most energy and cost-effective form of pest control.

There are a number of initiatives that can help to control the occurrence and impacts associated with pests. These include:

- ensure the site is maintained free from food waste, food containers and construction waste that may attract pests
- implementing pest management programs around site offices and compounds
- monitoring for the presence of pests and introduced fauna and contacting relevant specialists/agencies (e.g. local council) for removal of pests
- maintaining a register to track the types and locations of pests encountered across the project.

Habitat management

Native habitat, whether aquatic or terrestrial, provides shelter, food, protection from predators and breeding areas for native fauna. Effective management and protection of these habitats are fundamental to the survival of native fauna within and surrounding project sites. The management of habitats extends beyond minimising direct impacts on fauna and includes:

- protecting and managing vegetation, which may provide habitat for fauna species
- managing weed species that may affect fauna
- locating hazardous material storage away from environmentally sensitive areas and waters and ensuring effective spill response
- preventing land pollution and contamination through rigorous plant and equipment inspections, refuelling and maintenance in designated areas
- regularly testing the water quality of catchments within or adjacent to project boundaries
- preventing water pollution through effective erosion and sediment controls
- managing bushfire risk by minimising potential fuel sources such as timber/ flammable

Record keeping and reporting

Records of significant fauna occurrences should be documented using the appropriate incident reports and project registers. A significant sighting/occurrence could be the discovery of an injured animal, dangerous animal (e.g. snake) or other fauna observation (e.g. discovery of threatened/endangered species within or adjacent to the operational footprint) which may warrant further investigation and/or notification to site personnel or external agencies.

Records of all surveys and fauna management measures should also be kept, for example, on site-specific environmental inspection checklists and other relevant documents.