



xenith

Independent Environmental Audit

**Liddell Battery and Bayswater Ancillary Works Project
AGL Macquarie Pty Limited
September 2025**

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1. INTRODUCTION

1.1 Background

Xenith has been commissioned by AGL Macquarie Pty Limited (AGLM) to conduct the sixth construction phase Independent Environmental Audit (IEA) for the Liddell Battery and Bayswater Ancillary Works Project (SSD 8889679).

AGLM owns and operates the Bayswater Power Station (Bayswater), Liddell Power Station (Liddell), Hunter Valley Gas Turbines and associated ancillary infrastructure systems. Liddell and Bayswater are located approximately 25 kilometres (km) north-west of Singleton, 15 km south-east of Muswellbrook and 165 km north west of Sydney. The Project is located within the Singleton and Muswellbrook Local Government Areas (LGAs) and located within an area dominated by mining and power generation.

State Significant Development (SSD) 8889679 provides for the following activities:

- › Construction and operation of a Battery Energy Storage System with a capacity of up to 500 MW and 2 GWh;
- › Decoupling works to facilitate the separation of the Bayswater Power Station from the Liddell Power Station; and
- › Upgrades to ancillary infrastructure required for the ongoing operation of the Bayswater Power Station.

SSD 889679 was approved subject to conditions on the 8 March 2022 by the Director Resources Assessments in accordance with Section 4.38 of the Environmental Planning and Assessment Act 1979 (EP&A Act).

Figure 1 and **Figure 2** shows the layout of the Project as approved under SSD 8889679.

The IEA has been conducted generally in accordance with the NSW DPIE 'Independent Audit Post Approval Requirements May 2020' (IEA Guidelines).

1.2 Audit Team

The IEA was completed by Dorian Walsh (Certified Auditor Certificate Number: 201881) and Sarah Moore of Xenith.

1.3 Audit Objectives

The IEA assesses the Project activities during the audit period (see **Section 3**) and compliance with key regulatory approvals for the Project. The IEA assessed the status of conditions and commitments from:

- › SSD 8889679; and
- › SSD 8889679 management plans, strategies and programs.

1.4 Audit Scope

The IEA scope is defined under Schedule 2, Conditions C13 - 18 of SSD 8889679 which is reproduced below in **Table 1**.

1.5 Audit Period

The IEA covers the period from 16 January 2025 to 9 July 2025 (the day of the IEA site visit).

Table 1 SSD 8889679 IEA Requirements

Condition	Requirement	Report Section
Schedule 2 Condition 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).	This IEA report
Schedule 2 Condition C14	Proposed independent auditors must be agreed to in writing by the Planning Secretary prior to the commencement of an Independent Audit.	Appendix A
Schedule 2 Condition 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.	N/A; No requests made by DPHI to change IEA frequency
Schedule 2 Condition C16	In accordance with the specific requirements in the Independent Audit Post Approval Requirements (2020, or its latest version), the Applicant must:	Note only
Schedule 2 Condition C16 (a)	review and respond to each Independent Audit Report prepared under condition C13 of this approval, or condition C15 where notice is given by the Planning Secretary;	This IEA report; AGLM to complete response to DPHI
Schedule 2 Condition C16 (b)	submit the response to the Planning Secretary; and	N/A; AGLM to complete
Schedule 2 Condition C16 (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.	N/A; AGLM to complete
Schedule 2 Condition 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.	N/A; AGLM to complete

Condition	Requirement	Report Section
Schedule 2 Condition 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.	N/A



Figure 2 - 3 The Battery and Decoupling layout

Figure 1 Decoupling Works and BESS (Stage 2) Development Layout



Figure 2 Bayswater Ancillary Works (Stage 3) Development Layout

2. AUDIT METHODOLOGY

2.1 Overview

This IEA was undertaken in accordance with the requirements of SSD 8889679 (see **Section 1.4**) and the IEA Guidelines. **Appendix A** includes a copy of DPHI endorsement for the IEA team (see **Section 1.2**) and confirmation over audit requirements.

The compliance status of Project activities during the audit period was determined by assessment of key approval documents regulating site activities (see **Section 3.3**) and a desktop review of all plans, strategies, programs, monitoring data and correspondence relevant to the audit period. The desktop review was used as a basis for this IEA report and identified potential compliance issues that were verified during the Project site inspection and in interviews with key AGLM personnel.

The audit methodology also included consultation with NSW DPHI, Environment Protection Authority (EPA), and Muswellbrook Shire Council (MSC) and Singleton Council to seek any specific environmental issues that should be a focus of the IEA (see **Section 2.5**).

2.2 IEA Preparation

Preparation of the IEA involved:

- › Submission of an information request to the Client for the provision of evidence to verify the compliance status of AGLM project activities during the audit period;
- › Engagement with key regulatory agencies for the Project regarding any specific issues that should be a particular focus of the IEA;
- › Submission of an audit agenda (see **Appendix E**) and confirmation over the scope of the Xenith site inspection component of the IEA;
- › Desktop review of documentation provided by the Client to determine the compliance status of approval and licencing conditions, identify good site practice and opportunities for improvement, in accordance with the requirements of the IEA Guidelines; and
- › Preparation of compliance tables and protocols for the site inspection, including a checklist of specific regulatory requirements obtained from documents provided.

2.3 Compliance Evaluation

The IEA consisted of a detailed desktop review of approval documentation and a site inspection. The findings of this IEA were based on verifiable evidence collected by:

- › Review of Project documentation (including document reference, revision numbers, dates and authors) by Xenith;
- › Interviews with key site personnel completed by Xenith; and
- › Inspections of the Liddell Battery and Bayswater Ancillary Works site, activities and processes. Selected images taken during the site inspections are included in **Appendix F**.

James McNamara (Manager Environment Construction) and Keith Simkin (Advisor Environment (Contractor)) were the primary AGLM contacts for the audit and were present during the audit site inspection and interviews.

A list of the key documentation reviewed for the IEA is found in **Section 3.1**. The evidence that was used to determine the compliance status with respect to each condition has been documented in the tables provided in **Appendix C**, along with relevant observations, notes and recommended opportunities for improvement.

2.4 Site Inspection

A site inspection of the SSD 8889679 development site was conducted by Xenith on 9 July 2025 and undertaken to ensure that all aspects of environmental management and performance of the Project were reviewed.

At the time of audit, AGLM had:

- › Completed construction of the Transformer Yard for the Liddell Power Station Decoupling Works (SSD 8889679 Stage 1) (see Plate 18 in **Appendix F**);
- › Completed demolition of the existing solar array site which is required prior to the development the Battery Energy Storage System (BESS) (SSD 8889679 Stage 2);
- › Completed clearing and were continuing construction works for the BESS facility (SSD 8889679 Stage 2);
- › Installed the majority of batteries at the BESS facility (SSD 8889679 Stage 2);
- › Relocated material for stockpiling within to the former coal bays (SSD 8889679 Stage 2); and
- › Completed the shortening of the existing Liddell M1 conveyor for the Baywater Ancillary Works component of the Project (SSD 8889679 Stage 3). This aspect of Stage 3 had been completed prior to the last IEA and additional Stage 3 works were not undertaken in the current audit period.

Development of the other activities approved under SSD 8889679 had not commenced during the audit period.

2.4.1 Opening Meeting

The IEA site inspection completed by Xenith commenced with an opening meeting; attendees included Dorian Walsh (Xenith), Sarah Moore (Xenith), James McNamara (AGLM Manager Environment Construction), Keith Simkin (AGLM Advisor Environment (Contractor)), Sam Magennis (Environment Advisor – Enerven), and Chris Stewart (Environmental Manager – Fluence). The briefing included clarification of the audit objectives, scope, resources required and the methodology of the IEA, including the input that would be provided by the technical experts endorsed by DPHI.

2.4.2 Site Overview and Orientation Session

A site overview was conducted by AGLM site personnel to provide Xenith with a general overview of the Project during the audit period, an indication of the environmental setting, near neighbours, safety and emergency requirements and known environmental issues.

2.4.3 IEA Interviews

The IEA included interviews with key AGLM personnel involved with the management and operation of the Project. The IEA interviews during the Xenith site inspection we conducted to assist with verifying the compliance status of the Project. AGLM personnel interviewed by Xenith during the audit process included:

- › James McNamara (Manager Environment Construction);
- › Keith Simkin (Advisor Environment (Contractor));
- › Sam Magennis (Environment Advisor – Enerven); and
- › Chris Stewart (Environmental Manager – Fluence).

2.4.4 Focused Site Inspection

A focused site inspection was conducted on 9 July 2025 by Xenith following the initial site overview. The purpose of the site inspection was to review specific operation and environmental aspects of the Project that were completed during the audit period and to assess Project environmental management systems and performance in detail.

2.4.5 Site Documentation Review

Relevant site documentation was reviewed with AGLM personnel to verify compliance information. Key documents reviewed included SSD 8889679 environmental assessments, correspondence with regulatory agencies, Environmental Management Plans, and procedures.

2.4.6 Follow Up Auditing

Follow up interviews and document reviews were conducted by Xenith to clarify any outstanding compliance issues to be resolved prior to inclusion in the final IEA report.

2.4.7 Exiting Briefing

Attendees of the exit briefing included Dorian Walsh, Sarah Moore, James McNamara, Keith Simkin, Sam Magennis, and Chris Stewart. The exit meeting included the discussion of preliminary audit findings, recommendations and explanation of actions required by AGLM and by Xenith to complete the audit process required under the IEA Guidelines.

2.5 Audit Consultation

Correspondence was sent to the DPHI, EPA, MSC and Singleton Council, requesting their input into the scope of the IEA. Responses were received from DPHI and MSC during the audit process and in response to the IEA report (see **Appendix D**), with comments provided in **Table 2**. No comments were received from the NSW EPA or Singleton Council.

Table 2 Feedback received from IEA consultation

Comment	Response
DPHI	
<p>Following the submission of the last IEA report (IEA No. 5), NSW Planning requested the auditor seek clarification on the scope of the next audit, in particular whether the conditions from Part D of development consent SSD-8889679, as modified (the development consent) for the development should be audited.</p> <p>Part D of the consent contains the following note (emphasis added):</p> <p><i>Note: For the avoidance of doubt, a consent listed in condition A5 will be surrendered and cease to operate from the date on which a valid notice is served on the consent authority pursuant to cl 97 of the EP&A Regulation. The conditions listed in</i></p>	<p>AGLM have confirmed that the status of the projects referred to in Part D of SSD-8889679 are:</p> <ul style="list-style-type: none"> › Low Pressure Pump Station Stabilisation – stabilisation works completed and site operational; › Ravensworth Coal Unloader Facility – care and maintenance › Coal/Rail Unloader Augmentation – care and maintenance. <p>Following a review of AGLM documentation, it is recommended that management plans for these facilities are updated to ensure that the requirements of the approval documents in Part D</p>

Comment	Response
<p><u>this Part D are drawn from the consents listed in condition A5 but form part of this consent from the date of this consent.</u></p> <p>In previous IEAs, AGL have been found non-compliant with conditions D1, D3, D4 and D6 due to lack of evidence to demonstrate compliance.</p> <p>Due to the successive non-compliance findings for these conditions, Part D of the consent is to be included in this upcoming IEA scope.</p> <p>The audit report must ascertain the operational status of each of the following projects that were consolidated into the consent:</p> <ul style="list-style-type: none"> › Low Pressure Pump Station Stabilisation › Ravensworth Coal Unloader Facility › Coal/Rail Unloader Augmentation <p>In summary, the upcoming IEA must audit all conditions of the consent, including Part D.</p>	<p>of SSD-8889679 are captured and evidence is retained to confirm ongoing implementation.</p> <p>Further detail on AGLM compliance with these conditions is provided in Section 3.6, Section 4 and in Appendix C.</p>
MSC	
<p>I think our concerns for the fifth construction phase would still be relevant ie</p> <p><i>That adequate erosion and sediment controls have been established on site for the construction phase (these were probably tested in the recent rainfall), and that measures have been put in place to control stormwater/pollution runoff from locations where the batteries are stored to be able to manage firefighting materials and chemicals from the batteries in case of a runaway battery fire. Also that there are hazard management plans in place for the possibility of battery fires, with plans located on site for reference by workers/employees and fire fighters.</i></p> <p>Could we also include the following please:</p> <p><i>Staff are aware of cumulative accommodation pressures in the Muswellbrook LGA. Could the project team please provide a brief summary of how the workforce is currently being accommodated? Additionally, has the team observed any impacts—direct or indirect—relating to local housing or accommodation availability during construction or commissioning? If so, please</i></p>	<p>Erosion and sediment controls were sighted during the IEA site inspection and found to be adequate at the time of the audit (see Section 3.7.4).</p> <p>Evidence of environmental inspections completed to prepare for and respond to rainfall events indicated that discharge of water from site only occurred via pumped transfer from Project sediment dams to the adjacent water management system of Liddell Power Station.</p> <p>AGLM are in the process of developing a Fire Safety Study and hazard management plans for the BESS prior to the facility being commissioned. Chemical storage controls and fire response equipment appropriate to construction works were seen to be in place at the time of audit.</p> <p>AGLM requested an update on project workforce accommodation arrangement from principal construction contractor (Fluence). Fluence noted that:</p> <p><i>"Fluence staff who are not local to the area are accommodated in long-term rental housing in both Muswellbrook and Singleton. The majority of the project workforce is made up of local personnel who reside within a reasonable commuting</i></p>

Comment	Response
<i>outline any challenges, observed effects, or management responses.</i>	<i>distance. For staff who are required on-site for shorter durations, accommodation is arranged either within the existing rented houses or through short-term motel stays.</i> <i>To date, Fluence has not experienced or observed any issues, impacts, or challenges in sourcing suitable accommodation for staff, and no indirect effects on local housing or availability have been identified during construction or commissioning."</i>

3. AUDIT FINDINGS

3.1 Approval and Document List

AGLM documentation for the IEA was sighted during a detailed desktop review and the audit site inspection of 9 July 2025. Approvals and documents assessed during the audit were related to:

- › SSD 8889679 approval conditions;
- › SSD 8889679 Statement of Commitments;
- › SSD 8889679 Environmental Management Plans and procedures;
- › AGLM environmental monitoring data;
- › AGLM correspondence with regulatory agencies and other records of consultation; and
- › AGLM response to the findings and recommendations in the previous IEA.

The tables included within **Appendix C** discuss the documentation that was used to determine compliance with the conditions of SSD 8889679 assessed during the IEA.

3.2 Compliance Status Descriptors

The compliance status of each condition reviewed during the IEA was assessed based on evidence provided and determined in accordance with the descriptors provided in the IEA Guidelines. No other terms have been used to describe the compliance status of conditions within this IEA.

3.3 Compliance Performance

Table 3 provides a summary of compliance for key AGLM approvals and licensing during the audit period. A description of each identified non-compliance is provided in **Section 3.6** and **Appendix C**.

Table 3 Summary of Compliance

Document	C	NC	NT	Note	Total
SSD 8889679	33	5	29	2	69
SSD 8889679 Statement of Commitments	56	0	12	-	68

3.4 Summary of Agency Notices and Orders

No notices or orders regarding the Project were issued to SSD 8889679 were issued to AGLM during the audit period.

3.5 Actions from Previous Audit

A summary of the actions arising from the previous SSD 8889679 IEA (JBA, November 2024) is provided in **Table 4**.

Actions that have not been completed by AGLM at the time of this audit have been retained in **Section 3.5** and **Section 4** below. Further detail on each condition is provided in **Appendix C**.

Table 4 Status of Actions Arising from Previous IEA

Ref	Previous IEA Findings	AGLM Proposed Completion Date	Current IEA Status
SSD 8889679 Non-Compliances & Recommendations			
Schedule 2, Condition A2	Non-compliances (NC) with SSD 8889679 conditions were identified during this IEA.	N/A	Refer to non-compliances below
Schedule 2, Condition A8	The AGLM notification period for the intended commencement of SSD 8889679 Stage 3 was less than the two weeks required by Condition A8 of the consent. It is noted that this non-compliance was identified by DPHI and acknowledged by AGLM during the audit period.	As triggered by future stages	Compliant. No notifications to DPHI were required during the audit period. Stages 1 – 3 of the Project remain applicable to the audit period.
Schedule 2, Condition B7	It is recommended that the Environmental Inspection Checklist for Stage 3 is reviewed prior to any disturbance for that component of the Project and updated to include checks to confirm compliance with approved disturbance areas.	As triggered	Not triggered. No Stage 3 works were completed during the audit period.
Schedule 2, Condition C1	It is recommended that revised Stage 2 EMS document (see Schedule 2, Condition C3 below) includes a plan that shows the locations of environmental monitoring to be carried out for the Project.	Completed	A plan showing AGLM environmental monitoring locations is now included in Section 8 of the Stage 2 EMS.
Schedule 2, Condition C19	The Stage 3 EMS (April 2024) and CHMP (June 2024) as approved by DPHI were not available on the AGLM website at the time of audit. It is recommended that AGLM make all strategies, plans, or programs required under the conditions of the consent available on the AGLM website as soon as	Completed	Non-complaint. Viewed AGLM Project website on 7/07/25. The following documents were not publicly available: <ul style="list-style-type: none"> › SSD 8889679 MOD2 and MOD3 Modification Reports; and › Fire Safety Study. See Table 5 and Table 6 .

Ref	Previous IEA Findings	AGLM Proposed Completion Date	Current IEA Status
	practicable following approval by DPHI.		
Schedule 2, Condition D1	<p>AGLM were not able to verify that the Low Pressure Pump Stabilisation was completed in accordance with the December 2018 BDAR report for the development.</p> <p>It is recommended that AGLM provide a response to DPHI regarding compliance with the conditions of approval referred to in Part D of SSD 8889679 once this review has been completed (also see Conditions D2 – D6 below).</p>	30/06/2025	<p>Compliant. AGLM records indicate that construction of the project is complete and controls for development of the project remain in place.</p> <p>See Table 6.</p>
Schedule 2, Condition D3	<p>It was recommended during the previous IEA that AGLM retains evidence that confirms that the development of the Ravensworth Coal Unloaded Facility has been carried out in accordance with the HLA Envirosciences Proposed Macquarie Generation Rail Project at Ravensworth Environmental Impact Statement prior to surrender of the DA 20_98 under Schedule 2, Condition A5 of SSD 8889679.</p>	Completed	<p>Non-compliant. Evidence was not available at the time of audit that the 'Antiene and Newdell: Operational Environmental Management Plan' dated 17 June 2025 (ANOEMP) adequately captures the environmental management requirements of the 1997 EIS.</p> <p>See Table 5 and Table 6.</p>
Schedule 2, Condition D4	<p>It was recommended during the last IEA that AGLM retains evidence that confirms consultation with Rail Access Corporation to develop and implement operational protocols and train working procedures to expedite push-pull trains onto and off the Main Northern Line prior to surrender of the DA 20_98 under Schedule 2, Condition A5 of SSD 8889679.</p>	30/06/25	<p>Compliant. AGLM have developed procedures to manage push-pull train movements from the Ravensworth (Newdell Coal Unloader Siding) facility, to account for the use of the siding. This is managed under the terms of a 'Safety Interface Agreement' in place with Aurizon, the AGLM rail service provider.</p>
Schedule 2, Condition D6	<p>It was recommended during the previous IEA that AGLM retain evidence that confirms the development of the Coal/Rail Unloader Augmentation is carried</p>	30/06/25	<p>Non-compliant. Evidence that the development is managed in accordance with the HLA-</p>

Ref	Previous IEA Findings	AGLM Proposed Completion Date	Current IEA Status
	out generally in accordance with the development application and accompanying plans prior to surrender of the DA 401_2000 under Schedule 2, Condition A5 of SSD 8889679.		Envirosciences SEE (2000) was not available at the time of audit. See Table 5 and Table 6 .
SSD 8889679 EIS Commitments			
GHG1	It is recommended that the Stage 3 CEMP includes measures to identify and reduce GHG impacts during the construction phase.	As triggered	Not triggered. No Stage 3 works were completed during the audit period.
BIO1	It is recommended that AGLM retain plans prepared to indicate 'no-go' zones for future Stage 3 construction works and evidence that these areas are not impacted.	As triggered	Not triggered. No Stage 3 works were completed during the audit period.
BIO10	It is recommended that the Stage 3 CEMP is reviewed and updated to note that during clearing works, weeds will be disposed and managed	As triggered	Not triggered. No further Stage 3 works were completed during the audit period.

3.6 Non-Compliances During the Audit Period

Table 5 lists the non-compliances identified during the audit period. Recommendations made in relation to these non-compliances are provided in **Section 4**, with further context provided in **Appendix C**.

Table 5 IEA Non-Compliances

Ref	Non-Compliance
SSD 8889679	
Schedule 2, Condition A2	Non-compliances (NC) with SSD 8889679 conditions were identified during this IEA (see below).
Schedule 2, Condition B26	Evidence was not available at the time of audit to confirm that all controls from the permanent fence installation 'methodology' document for Stage 2 had been implemented.
Schedule 2, Condition C19	The SSD 8889679 MOD2 and MOD3 Modification Reports and Fire Safety Study were not available on the AGLM website at the time of audit.
Schedule 2, Condition D3	Evidence was not available at the time of audit that the Aurizon (2017) Antiene and Newdell: Operational Environmental Management Plan (ANOEMP) adequately captures the surface water and erosion and sediment control management requirements of the HLA-Envirosciences 1997 EIS.
Schedule 2, Condition D6	The ANOEMP does not refer to the management requirements of the HLA-Envirosciences SEE (2000), which was not made available at the time of the audit.

3.7 Environmental Performance

3.7.1 Site Inspection Summary

The site inspection of 9 July 2025 included a review of the Project site, focussing on the Stage 2 development sites where construction work was ongoing during the audit period (see **Figure 1**). Selected images taken during the site inspection are included as **Appendix F**.

It is noted that Stage 1 of the Project has been completed and commissioned prior to the audit period. A review of the Stage 1 facility completed during the site inspection found that appropriate environmental controls for the area remain in place.

The site inspection of Stage 2 construction areas found that these are generally being well maintained. The boundaries of approved disturbance areas for the Project were clearly marked in the field at the time of audit and evidence that regular inspections of these controls were carried out by the Project contractor was available (see Plates 9 – 10, 17, 21 and 25 - 26 **Appendix F**). The Project contractor was in the process of installing permanent fencing (including erosion and fauna controls) along the eastern boundary of the Stage 2 work area during the audit site inspection (see Plates 11 – 12 of **Appendix F**).

Evidence provided by AGLM and the Project contractor also showed that maintenance and corrective actions (e.g. water management, erosion and sediment controls, waste management and housekeeping) recorded during internal environmental inspections were being tracked and completed.

The audit site inspection also confirmed that dust emissions from exposed surfaces within the Stage 2 construction area were being well controlled at the time of the audit and that a water cart was in operation (see Plates 14 - 15 in **Appendix F**). A designated refuelling area for mobile equipment has also been retained, having been relocated to another location within the Stage 2 work area during the audit period (see Plate 6 of **Appendix F**).

3.7.2 Environmental Management Documents

The adequacy of AGLM environmental management documents for the Project and the implementation of these plans was reviewed as a component of this IEA. In general, this review found that AGLM is operating in accordance with procedures and systems required under SSD 8889679.

Management plans and strategies reviewed as part of this IEA included the AGLM BESS Environmental Management Strategy (EMS) and the associated sub plans including the Soil and Water Management Sub Plan, Noise Management Sub Plan, Air Quality Management Sub Plan, Contamination Management Sub Plan, Waste Management Sub Plan, Aboriginal Cultural Heritage Management Plan (ACHMP), Biodiversity Management Plan and Traffic Management Sub Plan. The EMS developed for Stage 3 was also reviewed.

A review of the projects referred to in Part D of SSD-8889679 (the Low Pressure Pump Station Stabilisation, Ravensworth Coal Unloader Facility and Coal/Rail Unloader Augmentation projects) found that management documentation for these facilities is in place, however updates to these documents are recommended to ensure that the requirements of conditions from Part D of SSD-8889679 are captured. It is also recommended that AGLM implement a process to document the regular maintenance of environmental controls for these projects.

Non-compliances and recommendations identified in relation to Project management plans are listed in **Table 5** and **Table 6**.

3.7.3 Waste Management

The Stage 2 Waste Management Plan identifies the key waste streams and management controls for the Project. The site inspection confirmed the active construction areas for Stage 2 were generally well-managed, with only minor housekeeping required. Waste materials were being contained within the designated boundaries of the Project construction area and waste segregation bins were in place and being used appropriately (see Plates 3 - 8 in **Appendix F**).

Discussions with key AGLM and Project contractor personnel confirmed that Stage 2 waste continues to be removed from the Project site by waste contractors and taken to licenced facilities for disposal. The desktop review confirmed that waste removal is being tracked via a waste register and removal dockets from the AGLM-appointed waste contractor are being retained.

A review of related waste records confirmed that the two fragments of potentially asbestos-contaminated waste identified in Stage 2 during the audit period were investigated in accordance with Waste Management Plan and AGLM site procedures.

3.7.4 Erosion and Sediment Control

Stage 2 of the Project operates in accordance with the Liddell BESS Primary Erosion and Sediment Control Plan (ESCP). The site inspection confirmed that appropriate controls around stockpiles and the perimeter of the Stage 2 disturbance footprint were in place at the time of the audit (see Plates 16 – 17 and Plate 21 of **Appendix F**). As noted in **Section 3.7.1**, the audit site inspection found that erosion and sediment controls

were in good condition. The Project contractor was also in the process of installing permanent fencing around the perimeter of the Stage 2 disturbance boundary.

Discussions with key AGLM personnel confirmed that no water pollution incidents were recorded during the audit period as a result of Stage 2 construction works. Records were made available to demonstrate that the Project contractor was pumping excess water (generated by significant rain events) from Stage 2 sediment dams and drains back to the Liddell Power Station water management system for management prior to discharge under the AGLM Environment Protection Licence 2122.

3.7.5 Operation of Plant and Equipment

Schedule 2, Condition A12 of SSD 8889679 requires all plant and equipment used on site, or in connection with the development, to be maintained in a proper and efficient condition and operated in a proper and efficient manner.

Interviews with key Project contractors during the site inspection confirmed that operators working on Stage 2 continue to complete site inductions, which include content on the safe operation of plant and equipment. A desktop review of maintenance reports verified that plant and equipment are appropriately assessed prior to mobilisation to site (including completion of pathogen inspections during the mobilisation of equipment to site). Example evidence was also provided to show that daily inspections of equipment and regular maintenance actions were being completed.

Equipment in operation during the audit site inspection was seen to be operating effectively to minimise dust emissions.

3.7.6 Air Quality

Dust emissions from Project work areas and stockpiles within the Stage 2 construction areas was observed to be well controlled at the time of audit (see Plates 1 – 2 and Plates 13 – 15 of **Appendix F**).

Discussions with key AGLM personnel confirmed that water carts are retained on site for dust suppression and water carts were operating at the time of audit.

No complaints in relation to air quality impacts from the Project were received during the audit period.

3.7.7 Biodiversity

As noted above, the disturbance boundary of Stage 2 is clearly delineated in the field and daily inspections are being completed to verify that environmental controls from the Biodiversity Management Plan are being implemented.

Discussions with key AGLM personnel confirmed that additional clearing was not undertaken during the audit period. Flagging and signage remains in place around the extent of the Project disturbance boundary to confirm 'no-go' zones for the workforce (see Plates 9 – 10 and 16-21 in **Appendix F**).

Evidence was provided to confirm that contractor inductions include content on biodiversity management requirements. Regular inspections completed by the Project contractor during the audit period document checks for native fauna species and the treatment of areas within the Stage 2 works area to control the presence of weeds.

3.7.8 Visual Amenity and Lighting

Discussions with key AGLM personnel confirmed that Project works are only undertaken during daylight hours, with mobile lighting plant only used for the Project carpark (see Plate 13 of **Appendix F**). The colour and layouts of the site offices and temporary construction areas were generally non-intrusive and located in an area that is not readily visible to private receptors (see Plates 14 and 24 of **Appendix F**).

AGLM continue to maintain a sign-in and sign-out register for all personnel coming onto the Project site, which records working hours. The selected examples of completed sign-in and sign-out registers that were reviewed during the IEA site inspection indicated that Project works were being completed within approved hours.

No complaints were received during the audit period in relation to visual amenity or lighting impacts.

3.7.9 Noise

Discussions with key AGLM personnel confirmed that the Project operates in accordance with the Stage 2 Noise Management Plan (NMP). The desktop review confirmed that site inspections are being completed which includes the consideration of noise and vibration impacts. AGLM employees and contractors also undertake site inductions which includes content on noise management considerations.

Attended noise monitoring completed in April 2025 to validate Project noise impacts found that Stage 2 construction activities were compliant with NMP criteria.

3.7.10 Aboriginal Heritage

The desktop review confirmed that the Project operates in accordance with an ACHMP, which notes the procedures to be followed in the event of any unanticipated heritage items being identified during construction. A review of Project induction packages confirmed that all Project staff and contractors are briefed on Aboriginal heritage obligations and response procedures.

Discussions with key AGLM personnel confirmed that there were no unanticipated heritage finds during the audit period.

3.7.11 Rehabilitation

No rehabilitation establishment activities were undertaken during the audit period.

The IEA site inspection confirmed that the topsoil stockpiles from Stage 2 construction areas remain delineated in the field, with mulched vegetation respread in non-working areas (see Plates 16 - 17 and Plate 25 in **Appendix F**).

3.7.12 Bushfire Management

The desktop review also confirmed that a hot work management system in place and that personnel carrying out any hot work for the Project are required to complete Hot Works inductions, permits and risk assessments. The site inspection confirmed that fire response equipment is in place within Stage 2 construction areas and at the Project site offices (see Plate 7 of **Appendix F**).

AGLM were liaising with Emergency and Fire response agencies during the audit period regarding SSD 8889679 documentation required to be implemented prior to the commissioning of the BESS.

3.7.13 Environmental Incidents

Discussions with key AGLM personnel confirmed that no environmental incidents were recorded during the audit period.

3.7.14 Environmental Complaints

Discussions with key AGLM personnel confirmed that no community complaints were received regarding Project activities during the audit period.

3.7.15 Environmental Impact Comparison

Project activities during the audit period were found to be being undertaken generally in accordance with those described in SSD 8889679 environmental assessment documents.

A detailed review of AGLM compliance with SSD 8889679 conditions and commitments during the audit period is provided in **Appendix C**.

4. Recommendations

A summary of the non-compliances with SSD 8889679 approvals identified during the audit period is provided in **Table 5**. Recommendations made to respond to these non-compliances, as well as opportunities identified to improve AGLM's general environmental performance for the Project are provided in **Table 6**.

Table 6 IEA Recommendations

Ref	Recommendation Description
SSD 8889679	
Schedule 2, Condition B3	It is recommended that AGLM document the process for regular inspection and review of the measures documented in the approved Fire Safety Study.
Schedule 2, Condition B4	It is recommended that AGLM confirm that all external fuel storages in Project construction areas comply with Australian Standard requirements.
Schedule 2, Condition B5	It is recommended that AGLM continue to engage with the Rural Fire Service and with Fire and Rescue NSW to finalise and implement the Project Emergency Response Plans prior to commissioning of the BESS.
Schedule 2, Condition B15	It is recommended that AGLM review opportunities to establish vegetation cover on Project stockpiles that will remain in place in the medium to long-term.
Schedule 2, Condition B17	It is recommended that AGLM document the process for introduction of new lighting plants to site, to ensure any external lighting complies with SSD 8889679 conditions.
Schedule 2, Condition B25	It is recommended that AGLM retain correspondence between Project contractors that documents transfers from the Project to the Liddell Power Station water management system prior to discharge under Environment Protection Licence (EPL) 2122.
	It is also recommended that the Soil, Stormwater, Flood and Spoil Management Plan is updated to clarify that water of a quality outside of EPL 2122 criteria may be transferred to the adjacent Liddell Power Station water management system for treatment / settling prior to discharge in accordance with the EPL.
Schedule 2, Condition B26	It is recommended that the Stage 2 Progressive Erosion and Sediment Control Plan document is updated to reflect erosion and sediment control arrangements for the coal bays area and battery laydown area being used for Stage 2.
	It is also recommended that requirements from 'methodology' documents are communicated to the Project workforce and evidence retained, if permanent fencing is extended to other sections of the Project Boundary.

Ref	Recommendation Description
Schedule 2, Condition B28	It is recommended that AGLM review opportunities to establish vegetation cover on Project stockpiles that will remain in place in the medium to long-term.
Schedule 2, Condition C3	It is recommended that AGLM complete a review of the Project management plans by 18/09/25, to reflect the determination of SSD 8889679 MOD3.
Schedule 2, Condition C19	It is recommended that AGLM publish the remaining documents required by Condition C19 on the Project website, or list documents individually and provide direct links to the Major Projects Portal, to ensure these documents are easily accessible to the general public.
Schedule 2, Condition D1	It is recommended that AGLM implement a process for the regular inspection of the Low Pressure Pump Station site, to document and obtain evidence to demonstrate that appropriate environmental controls remain in place to minimise erosion and water quality impacts or any identify corrective actions required.
Schedule 2, Condition D3	It is recommended that the ANOEMP is revised incorporate the relevant surface water management commitments from the 1997 HLA-Envirosciences EIS, to allow these requirements to be monitored and managed.
	It is also recommended that AGLM retain records of evidence to confirm that care and maintenance of Ravensworth Coal Unloader Facility is being managed generally in accordance with the requirements of the 1997 HLA-Envirosciences EIS and the ANOEMP.
Schedule 2, Condition D5	It is recommended that the ANOEMP is revised to incorporate the relevant requirements from Condition D5 of SSD 8889679 and where each requirement is addressed.
Schedule 2, Condition D6	It is recommended that the ANOEMP is revised to incorporate the relevant requirements of the HLA-Envirosciences SEE (2000).
	It is also recommended that AGLM retain records to confirm that care and maintenance of the facility is being managed generally in accordance with the requirements of the HLA-Envirosciences SEE (2000) and the ANOEMP.
SSD 8889679 EIS Commitments	
HR1	It is recommended that AGLM incorporate the risk management measures from Planager (2021) relevant to Stage 2 in the Project compliance register prior to commissioning of the BESS.
AQ6	It is recommended that AGLM review opportunities to establish vegetation cover on Project stockpiles that will remain in place in the medium to long-term.

Ref	Recommendation Description
BIO5	It is recommended that the locations of stockpiles from Project Stage 1 are added to the 'Liddell BESS' stockpile register for the Project maintained by Enerven.
V6	It is recommended that AGLM review opportunities to establish vegetation cover on Project stockpiles that will remain in place in the medium to long-term.
W3	It is recommended that AGLM review opportunities to establish vegetation cover on Project stockpiles that will remain in place in the medium to long-term.



Appendix A

Endorsement of IEA

Team

NSW Planning ref: SSD-8889679-PA-87

James McNamara
Environment Manager Construction
AGL Macquarie Pty Ltd
Wonnarua Country
New England Highway
MUSWELLBROOK NSW 2333

25 June 2025

Sent via the Major Projects Portal only

Subject: Liddell Battery and Bayswater Ancillary Works - Independent Auditor Proposal

Dear Mr McNamara

I refer to your letter to the NSW Department of Planning, Housing and Infrastructure dated 20 June 2025 requesting the Planning Secretary's approval of suitably qualified, experienced, and independent persons to conduct the next Independent Audit of the Liddell Battery and Bayswater Ancillary Works project submitted as required by Schedule 2, Condition C14 of development consent SSD-8889679 as modified (the consent).

The Department has reviewed the independent auditor nominations and based on the information you have provided is satisfied that the proposed audit team is suitably qualified, experienced, and independent.

In accordance with Schedule 2, Condition C14 of the consent and the Department's *Independent Audit Post Approval Requirements* (2020), as nominee of the Planning Secretary, I endorse the following independent audit team to undertake audits for the preconstruction and construction phases of the Liddell Battery and Bayswater Ancillary Works development while they remain independent of the development:

- Dorian Walsh, Lead Auditor
- Sarah Moore, Assisting Auditor

This letter replaces our letter dated 9 December 2024 (reference: SSD-8889679-PA-72) endorsing the previous audit team.

Please ensure this correspondence is appended to the Independent Audit Report.

Independent Audits of the project must be prepared, undertaken, and finalised in accordance with the conditions of consent and the *Independent Audit Post Approval Requirements* (2020). Failure to meet these requirements will require revision and resubmission of the audit report.

Please note that the lead auditor must attend the site inspection/s.

We request that the audit team consult with us to develop the scope of the next Independent Audit.

Should you wish to discuss the matter, please contact Jennifer Sage, Senior Compliance Officer on 02 6575 3420 or email compliance@planning.nsw.gov.au

Yours sincerely

A handwritten signature in black ink that reads "H Watters".

Heidi Watters
Team Leader
Compliance

As nominee of the Planning Secretary



Appendix B

IEA Declaration

Appendix E – Independent Audit Report Declaration Form Template

Independent Audit Report Declaration Form

Project Name: Bayswater Power Station, Liddell Power Station

Consent Number: SSD 8889679

Description of Project: Liddell Battery and Bayswater Ancillary Works (SSD 8889679)

Project Address: New England Highway, MUSWELLBROOK NSW 2333

Proponent: AGL Macquarie Pty Limited

Title of Audit: AGL Macquarie SSD 8889679 Independent Environmental Audit

Date: 4 September 2025

I declare that I have undertaken the Independent Audit and prepared the contents of the attached Independent Audit Report and to the best of my knowledge:

- i. the audit has been undertaken in accordance with relevant condition(s) of consent and the *Independent Audit Compliance Requirements (Department 2019)*;
- ii. the findings of the audit are reported truthfully, accurately and completely;
- iii. I have exercised due diligence and professional judgement in conducting the audit;
- iv. I have acted professionally, objectively and in an unbiased manner;
- v. I am not related to any proponent, owner or operator of the project neither as an employer, business partner, employee, or by sharing a common employer, having a contractual arrangement outside the audit, or by relationship as spouse, partner, sibling, parent, or child;
- vi. I do not have any pecuniary interest in the audited project, including where there is a reasonable likelihood or expectation of financial gain or loss to me or spouse, partner, sibling, parent, or child;
- vii. neither I nor my employer have provided consultancy services for the audited project that were subject to this audit except as otherwise declared to the Department prior to the audit; and
- viii. I have not accepted, nor intend to accept any inducement, commission, gift or any other benefit (apart from payment for auditing services) from any proponent, owner or operator of the project, their employees or any interested party. I have not knowingly allowed, nor intend to allow my colleagues to do so.

Notes:

- a) Under section 10.6 of the *Environmental Planning and Assessment Act 1979* a person must not include false or misleading information (or provide information for inclusion in) in a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is false or misleading in a material respect. The proponent of an approved project must not fail to include information in (or provide information for inclusion in) a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is materially relevant to the monitoring or audit. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000; and
- b) The *Crimes Act 1900* contains other offences relating to false and misleading information: section 307B (giving false or misleading information – maximum penalty 2 years imprisonment or 200 penalty units, or both)

Name of Auditor: Dorian Walsh

Sarah Moore

Signature:



Qualification: Auditor for Environmental Management, EMS and Compliance Audits. Cert #: 201881

Company: Xenith Consulting

Company Address: Shops 4-6, 157 - 159 John Street Singleton NSW 2330



Appendix C

IEA Compliance

Tables

Table C1 Project Approval SSD 8889679

Red type represents the February 2024 Modification (SSD 8889679 MOD1)

Blue Type represents the April 2025 Modification (SSD 8889679 MOD2)

Green Type represents the June 2025 Modification (SSD 8889679 MOD3)

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
SCHEDULE 2: PART A - ADMINISTRATIVE CONDITIONS				
OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT				
A1	In meeting the specific environmental performance criteria established under this consent, the Applicant must implement all reasonable and feasible measures to prevent and/or minimise any material harm to the environment that may result from the construction, operation, upgrading or decommissioning of the development.	C	A review of AGLM records and inspection of SSD 8889679 Project site found that reasonable and feasible controls are in place to minimise the potential for material environmental impacts from site operations. AGLM environmental controls for the Project are discussed under relevant conditions below.	
TERMS OF CONSENT				
A2	The development may only be carried out: (a) in compliance with the conditions of this consent	NC	Non-compliances (NC) with SSD 8889679 conditions were identified during this IEA. Findings and recommendations in	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
			relation to each non-compliance are provided against the relevant conditions below.	
	(b) in accordance with all written directions of the Planning Secretary	C	Correspondence from Department of Planning, Housing and Infrastructure (DPHI) regarding SSD 8889679 documents are noted against the relevant conditions below.	
	(c) generally in accordance with the EIS; and	C	<p>A review of AGLM information found that the development is being carried out generally in accordance with the EIS.</p> <p>Letter from JM to DPHI dated 05/05/25 informed the Department that installation of water and communications services required for Project Stage 2 (Liddell BESS) would overlap the area identified for Project Stage 1. The letter proposes that the works would be completed under the management plans approved for Stage 2.</p> <p>DPHI acknowledged AGLM's letter via the Planning portal on 7/05/25 and did not raise</p>	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
			any issues with the approach proposed.	
	(d) generally in accordance with the Development Layout.	C	The site layout is generally consistent with that shown in Appendix 1 of SSD 8889679.	
	Note: The general layout of the development is shown in Appendix 1.			
A3	Consistent with the requirements in this consent, the Planning Secretary may make written directions to the Applicant in relation to: (a) the content of any strategy, study, system, plan, program, review, audit, notification, report or correspondence submitted under or otherwise made in relation to this consent, including those that are required to be, and have been, approved by the Planning Secretary; and	C	Directions from DPHI on SSD 8889679 documentation are noted against the relevant conditions below.	
	(b) the implementation of any actions or measures contained in any such document referred to in paragraph (a).	NT	JM (pers comms) confirmed that DPHI did not make any directions during the audit period regarding implementation of actions from SSD 8889679 documents.	
A4	The conditions of this consent and directions of the Planning Secretary prevail to the extent of any inconsistency, ambiguity or conflict between them and the document/s listed in condition A2(b). In the event of an inconsistency, ambiguity or conflict between any of the document/s listed in condition A2(b), the most recent document prevails to the extent of the inconsistency, ambiguity or conflict.	NT	JM (pers comms) confirmed that inconsistencies were not identified during the audit period.	
SURRENDER OF EXISTING CONSENTS				
A5	At a time determined by the Secretary, being no later than 12 months after the date of commencement of development, or other timeframe agreed by the Planning Secretary in writing, the following development consents are to be surrendered in accordance with section 68 of the EP&A Regulation:	C	Deemed compliant in previous IEA.	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
	(a) 8/2016 (MSC)	C	See Schedule 2, Condition A5 above.	
	(b) 74/2018 (MSC)	C	See Schedule 2, Condition A5 above.	
	(c) 8.2018.273.1 (SC)	C	See Schedule 2, Condition A5 above.	
	(d) 8.2018.23.1 (SC)	C	See Schedule 2, Condition A5 above.	
	(e) 8.2018.23.2	C	See Schedule 2, Condition A5 above.	
	(f) 54_86 (MSC)	C	See Schedule 2, Condition A5 above.	
	(g) 29_98 (SC)	C	See Schedule 2, Condition A5 above.	
	(h) 114_2016 (MSC)	C	See Schedule 2, Condition A5 above.	
	(i) 223_2004	C	See Schedule 2, Condition A5 above.	
	(j) 401_2000 (SC)	C	See Schedule 2, Condition A5 above.	
	(k) 460_2001 (SC)	C	See Schedule 2, Condition A5 above.	
	Note: Condition A5 does not extend to the surrender of construction or occupation certificates for existing and proposed building works under former Part 4A or Part 6 of the EP&A Act (as Part 6 applies from 1 September 2018). The surrender required by this condition A5 should not be understood to mean that works legally constructed under a valid consent or approval can no longer be legally maintained or used.	Note	Note only.	
A6	Upon the date of commencement of development under this consent, and before the surrender of the existing development consents specified in condition 5, the conditions	C	JM (pers comms) confirmed that the project is operating	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
	of this consent prevail to the extent of any inconsistency.		under SSD 8889679 conditions.	
STAGING, COMBINING AND UPDATING STRATEGIES, PLANS OR PROGRAMS				
A7	With the approval of the Planning Secretary, the Applicant may: (a) prepare and submit any strategy, plan or program required by this consent on a staged basis (if a clear description is provided as to the specific stage and scope of the development to which the strategy, plan or program applies, the relationship of the stage to any future stages and the trigger for updating the strategy, plan or program);	NT	JM (pers comms) confirmed AGLM did not seek to stage the preparation of any SSD 8889679 documents during the audit period.	
	(b) combine any strategy, plan or program required by this consent (if a clear relationship is demonstrated between the strategies, plans or programs that are proposed to be combined); and	NT	JM (pers comms) confirmed AGLM did not seek to combine any SSD 8889679 documents during the audit period.	
	(c) update any strategy, plan or program required by this consent (to ensure the strategies, plans and programs required under this consent are updated on a regular basis and incorporate additional measures or amendments to improve the environmental performance of the development). If the Planning Secretary agrees, a strategy, plan or program may be staged or updated without consultation being undertaken with all parties required to be consulted in the relevant condition in this consent. If approved by the Planning Secretary, updated strategies, plans or programs supersede the previous versions of them and must be implemented in accordance with the condition that requires the strategy, plan or program.	C	Viewed letter from JM to DPFI dated 09/05/25 submitting revised Stage 2 management plans to DPFI, following the determination of SSD 8889679 MOD2 and recent IEAs. DPFI response via letter of 06/06/25 approves the updates to SSD 8889679 management plans, including: <ul style="list-style-type: none"> • Environmental Management Strategy (EMS); • Aboriginal Cultural Heritage Management Plan (ACHMP); 	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
			<ul style="list-style-type: none"> • Air Quality Management Plan (AQMP); • Biodiversity Management Plan (BMP); • Contamination Management Plan (CMP); • Noise Management Plan (NMP); • Soil, Stormwater, Flood and Spoil Management Plan (SSFSMP); • Traffic Management Plan (TMP); and • Waste Management Plan (WMP). 	
NOTIFICATION OF COMMENCEMENT				
A8	At least two weeks prior to the commencement of the following activities, the Applicant must notify the Department in writing of the date of:	C	JM (pers comms) confirmed that notifications to DPHI were not required during the audit period. Stages 1 – 3 of the Project remain applicable to the audit period.	
	(a) physical commencement of the development;	C	Deemed compliant in previous IEA.	
	(b) pre-construction activities;	C	Deemed compliant in previous IEA.	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
	(c) construction of the battery energy storage system;	C	Deemed compliant in previous IEA.	
	(d) construction of the decoupling works;	C	Deemed compliant in previous IEA.	
	(e) construction of the Bayswater ancillary works; and	C	Deemed compliant in previous IEA.	
	(f) decommissioning.	NT	KS (pers comms) confirmed that decommissioning work has not occurred in the audit period.	
STRUCTURAL ADEQUACY				
A9	The Applicant must ensure that all new buildings and structures, and any alterations or additions to existing buildings and structures, are constructed in accordance with the relevant requirements of the Building Code of Australia.	NT	KS (pers comms) confirmed that the Stage 2 site offices are temporary only and do not require construction or occupation certificates.	
	Notes: <ul style="list-style-type: none"> Under Part 6 of the EP&A Act, the Applicant is required to obtain construction and occupation certificates for the development. 			
DEMOLITION				
A10	The Applicant must ensure that all demolition work on site is carried out in accordance with Australian Standard AS 2601-2001: The Demolition of Structures, or its latest version.	NT	JM (pers comms) confirmed that no demolition work was undertaken during the audit period.	
PROTECTION OF PUBLIC INFRASTRUCTURE				
A11	Unless the Applicant and the applicable authority agree otherwise, the Applicant must:	NT	JM (pers comms) confirmed that repairs to	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
	(a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the development; and		public infrastructure have not been required during the audit period.	
	(b) relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the development. This condition does not apply to the upgrade and maintenance of the road network, which is expressly provided for in the conditions of this consent.	NT	See Condition A11(a) above.	
OPERATION OF PLANT AND EQUIPMENT				
A12	The Applicant must ensure that all plant and equipment used on site, or in connection with the development, is: (a) maintained in a proper and efficient condition; and	C	Viewed completed examples of Project contractor documents for plant and equipment maintenance during the audit period, including: <ul style="list-style-type: none"> Log of services completed during the audit period for Project tippers and excavator; Enerven 'Plant/ Equipment Approval Forms' completed for the introduction of new equipment to site on 24/02/25 and 17/03/25. The examples viewed included a completed Weed and Seed Checklist component; and Operational hazard and safe operating procedures. 	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
	(b) operated in a proper and efficient manner.	C	<p>Viewed Project contractor register which lists and tracks competencies held by Project personnel.</p> <p>Viewed example of assessment completed by Robson Civil operator.</p> <p>Viewed Fluence Project Induction, Liddell BESS, which outlines pre-requisites for operators and requirements for the management of plant and machinery.</p> <p>Plant and equipment in operation during the audit site inspection were observed to be operating efficiently and generally in accordance with commitments in Project management documents (see Plate 1 and Plate 2).</p>	
SCHEDULE 2: PART B - GENERAL ENVIRONMENTAL CONDITIONS				
BATTERIES				
Battery Storage Restriction				
B1	<p>The battery energy storage system or systems associated with the development must not exceed a total delivery capacity of 500 MW or a storage capacity of 2 GWh.</p> <p>Note: <i>This condition does not prevent the Applicant from seeking to lodge a separate development application or modify this consent to increase the capacity of the battery storage system in the future.</i></p>	C	<p>Viewed an example of the 'Visual Tracker' available to Project supervisors dated 22/07/25. The tracker identifies the percentage</p>	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
			<p>of the Project which has been installed as ~55% of the total approved capacity (500 MW).</p> <p>JM (pers comms) noted that weekly reviews of the Project schedule (including battery capacity) are held weekly between AGLM and project contractors. Viewed examples of weekly meeting notes from April, May and June 2025.</p>	
HAZARDS				
Fire Safety Study				
B2	<p>B2. Prior to commencing construction of the battery energy storage system, the Applicant must prepare a Fire Safety Study for the development, to the satisfaction of FRNSW and the Planning Secretary. The study must:</p> <p>(a) be consistent with the:</p> <ul style="list-style-type: none"> (i) Department's <i>Hazardous Industry Planning Advisory Paper No. 2 'Fire Safety Study' guideline</i>; (ii) NSW Government's Best Practice Guidelines for Contaminated Water Retention and Treatment Systems; and 	C	<p>Fire Safety Study document deemed compliant in previous IEA. Letter from Fire and Rescue NSW (FRNSW) to Planager (author of the Fire Safety Study) dated 17/01/25 notes that FRNSW are satisfied with the document and notes risks associated with FRNSW response to a significant fire event at the BESS that AGLM need to be aware of.</p>	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
	(b) describe the final design of the battery energy storage system and verify that the final design is consistent with all findings and recommendations in the Preliminary Hazard Analysis dated 25 March 2021.	C	Deemed compliant in previous IEA.	
B3	The Applicant must implement the measures described in the Fire Safety Study approved by the Planning Secretary.	NT	Viewed draft of May 2025 Fluence Battery Energy Storage System Guide for First Responders and supporting Enerven Site Equipment Layout Plans for the Project. The presentation outlines key risks to first responders associated with major incidents at the BESS and BESS fire controls. The layout plans refer to signage and AS buffer zones around transformers and BESS 'cubes'.	It is recommended that AGLM document the process for regular inspection and review of the measures documented in the approved Fire Safety Study.
Storage and Handling of Dangerous Goods				
B4	The Applicant must store and handle all chemicals, fuels and oils used on-site in accordance with: (a) the requirements of all relevant Australian Standards; and	C	Viewed bundled containers used by Project contractors for the storage of small volumes of hazardous chemicals / dangerous goods stored on site (see Plate 3 and Plate 4). Signage on containers indicated compliance with AS1940-2004 (see Plate 5). Viewed specifications and	It is recommended that AGLM confirm that all external fuel storages in Project construction areas comply with AS requirements.

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
			<p>'Hazards and Risk Assessment – Plant Operation' for fuel tanks used to supply Project generators.</p> <p>The designated refuelling area for the Project was relocated during the audit period and was being maintained in a new location (see Plate 6).</p> <p>Stocked spill kits were observed to be in place at key locations within the Stage 2 work area, including at the refuelling area and at diesel storage tanks (see Plate 6, Plate 7 and Plate 8).</p>	
	<p>(b) the NSW EPA's Storing and Handling of Liquids: Environmental Protection – Participants Handbook if the chemicals are liquids.</p> <p>In the event of an inconsistency between the requirements (a) and (b) above, the most stringent requirement shall prevail to the extent of the inconsistency.</p>	C	See Schedule 2, Condition B4(a) above.	
Emergency Plan				
B5	<p>Prior to commissioning the battery energy storage system, the Applicant must prepare a comprehensive Emergency Plan and detailed emergency procedures for the battery energy storage system in consultation with FRNSW and the NSW RFS.</p> <p>(a) be consistent with the Department's Hazardous Industry Planning Advisory Paper No. 1, 'Emergency Planning' and RFS's Planning for Bushfire Protection 2019 (or equivalent);</p>	NT	<p>The Project BESS was not commissioned at the time of audit.</p> <p>JM (pers comms) noted that the Emergency Plan had been prepared for consultation with the FRNSW and the RFS.</p> <p>Viewed:</p>	<p>It is recommended that AGLM continue to engage with the RFS and with FRNSW to finalise and implement the Project Emergency Response Plans prior to commissioning of</p>

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
			<ul style="list-style-type: none"> • Fluence 'Liddell BESS Emergency Response Plan' dated 19/03/25; • Fluence 'Liddell BESS Emergency Services Information Package' dated 17/06/25; • Fluence 'Liddell BESS O&M Emergency Response Plan' dated 02/05/25; • Email correspondence between Fluence and RFS in April and July 2025, regarding the BESS Project and the draft Emergency Response Plan; and • Viewed letter from FRNSW to Planager dated 1 August 2025 regarding submission of the draft Project Emergency Plan. The FRNSW letter makes recommendations to Planager for update to the Emergency Services Information Package supporting the Emergency Response Plan. 	the BESS.
	(b) identify the fire risks and hazards and detailed measures for the development to prevent or mitigate fires igniting;	NT	See Schedule 2, Condition B5(a) above.	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
	(c) include procedures that would be implemented if there is a fire on-site or in the vicinity of the site;	NT	See Schedule 2, Condition B5(a) above.	
	(d) list works that should not be carried out during a total fire ban;	NT	See Schedule 2, Condition B5(a) above.	
	(e) include availability of fire suppression equipment, access, and water;	NT	See Schedule 2, Condition B5(a) above.	
	(f) include procedures for the storage and maintenance of any flammable materials;	NT	See Schedule 2, Condition B5(a) above.	
	(g) notification of the local RFS Fire Control Centre for any works that have the potential to ignite surrounding vegetation proposed to be carried out during a bushfire danger period to ensure whether conditions are appropriate	NT	See Schedule 2, Condition B5(a) above.	
	(h) detail access provisions for emergency vehicles and contact details for both a primary and alternative site contact who may be reached 24/7 in the event of an emergency;	NT	See Schedule 2, Condition B5(a) above.	
	(i) include location of hazards (physical, chemical, and electrical) that may impact on firefighting operations and procedures to manage identified hazards during firefighting operations;	NT	See Schedule 2, Condition B5(a) above.	
	(j) include details of the location, management, and maintenance of the Asset Protection Zone and who is responsible for the maintenance and management of the Asset Protection Zone;	NT	See Schedule 2, Condition B5(a) above.	
	(k) include bushfire emergency management planning; and	NT	See Schedule 2, Condition B5(a) above.	
	(l) include details of the how RFS would be notified, and procedures that would be implemented, in the event that: <ul style="list-style-type: none"> (i) there is a fire on-site or in the vicinity of the site; (ii) there are any activities on site that would have the potential to ignite surrounding vegetation; or (iii) there are any proposed activities to be carried out during a bushfire danger period; and 	NT	See Schedule 2, Condition B5(a) above.	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
	(m) include details on how the battery storage facility and sub-systems can be safely isolated in an emergency.	NT	See Schedule 2, Condition B5(a) above.	
B6	The Applicant must implement the Emergency Plan for the duration of the development, provide a copy of the plan to the local Fire Control Centre and keep two copies of the plan on- site in a prominent position adjacent to the site entry point at all times.	NT	See Schedule 2, Condition B5(a) above. Viewed Enerven 'Liddell BESS Emergency Plan and Site Layout, version 2.2', dated 29/01/25. The Plan provides an overview of the construction site offices and indicates the location emergency response equipment and assembly points.	
BIODIVERSITY				
Vegetation clearance				
B7	The Applicant must not clear any native vegetation or fauna habitat located outside the approved disturbance areas described in the EIS.	C	JM (pers comms) noted that clearing outside of the EIS disturbance boundary had not been identified during the audit period. Disturbance areas were verified during regular inspections of the Stage 2 work areas. Viewed examples of inspections completed during the audit period, including: <ul style="list-style-type: none"> 'Environmental Inspection Checklist Liddell BESS' 	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
			<p>completed by SLR Consulting on 27/02/25, 28/04/25, 26/06/25 and 10/07/25 for Fluence. The checklist includes an item for review of Project disturbance, ecological, noise, dust and erosion and sediment controls, and actions for follow up;</p> <ul style="list-style-type: none"> Weekly 'Site Environmental Checklist – Liddell BESS Project' completed by Enerven HSE Advisor on 27/06/25, 04/07/25 and 11/07/25. The checklist includes items to review Project 'no-go' zones and the Project disturbance footprint; Enerven 'Daily Diary, Liddell BESS' dated 3 – 5/07/25 signed off by Project Construction Manager and HSE Coordinator. The 'Daily Diary' includes a component that documents general 	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
			<p>environmental conditions and the results from daily HSE checks and follow up actions;</p> <ul style="list-style-type: none"> Extract from the Fluence 'Corrective Action Register' (CAR) spreadsheet for the Project for May and June 2025. The CAR identifies the source of corrective actions (including from SLR) and summarises the closeout of each. <p>Disturbance boundaries and 'no-go' areas were observed to be flagged in the field during the audit site inspection (see Plate 9 and Plate 10).</p> <p>A permanent fence was also being constructed within the perimeter of the Stage 2 disturbance boundary at the time of audit, to replace the existing temporary fence (see Plate 11 and Plate 12). Viewed Enerven 'Liddell BESS, Permanent Fence Install - Eastern Boundary, Environmental Assessment and</p>	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
			Methodology Update', dated 01/07/25. Viewed photos supplied by Enerven taken on 20/08/25, confirming completion of the fence on the eastern side of the Project Disturbance Boundary.	
Biodiversity Management Plan				
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: (a) be prepared by a suitably qualified and experienced biodiversity expert/s;	C	Stage 2 Viewed letter from Planning dated 06/06/25 approving the revisions to the BMP following SSD 8889679 MOD2. The approved BMP is Revision 6, dated 05/05/25. Stage 3 JM (pers comms) noted that a separate BMP for Project Stage 3 was being prepared at the time of audit.	
	(b) be prepared in consultation with the CPHR ;	C	Appendix A of the approved BMP includes review comments from BCS (now CPHR) and how these comments were addressed.	
	(c) describe the short, medium and long-term measures to be undertaken to manage vegetation and fauna habitat on the site;	C	Section 5.2 of the BMP identified short, medium and long-term measures to be undertaken to	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
			manage vegetation and fauna habitat on site.	
	<p>(d) describe measures to be implemented within the site to minimise:</p> <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; (v) the generation and dispersion of sediment to watercourses; and (vi) light spill from night works; and 	C	<p>Section 5.1 of the BMP describes measures for:</p> <ul style="list-style-type: none"> (i) Table 3, management measures BIO1, BIO2 and BIO16; (ii) Table 3, management measures BIO3 and BIO4; (iii) Table 3, all management measures; (iv) Table 3, management measures BIO8 to BIO12; (v) Table 3, management measures BIO14 to BIO15; (vi) Table 3, management measures BIO13. <p>SM (pers comms) confirmed that additional clearing for Stage 2 was not required during the audit period. SM also noted that Enerven have continued to complete regular inspections of the Stage 2 area (see</p>	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
			<p>Schedule 2, Condition B7 above).</p> <p>Viewed 'HLM Daily Work Record' documenting weed spraying within the Liddell BESS site completed for Enerven on 7/02/25 and 27/06/25. Reports document weeds identified and locations treated.</p> <p>SM (pers comms) noted that limited lighting outside of the site offices was required during the audit period due to approved construction hours (see Plate 13).</p>	
	(e) include a program to monitor, evaluate and report on the effectiveness of the measures.	C	Section 7.1 of the BMP outlines the Project monitoring and reporting requirements during construction.	
B9	The Applicant must implement the Biodiversity Management Plan approved by the Planning Secretary.	C	See Schedule 2, Condition B8 above.	
Biodiversity Offsets				
B10	The Applicant must retire the biodiversity credits for Offset Stages 1, 2A, 2B, 3A, 3B, 4 and 5 as specified in Table 1 below, prior to commencing native vegetation clearing in those stages. The retirement of credits must be carried out in accordance with the Biodiversity Offsets Scheme of the BC Act. Written evidence of the retirement of these credits must be provided to the Department prior to commencing construction activity in each stage.	C	<p>Stage 2</p> <p>Deemed compliant in previous IEA.</p> <p>Stage 3</p> <p>JM (pers comms) confirmed that the requirement to retire</p>	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations																																																																																																											
			biodiversity credits for Stage 3 has not been triggered.																																																																																																												
B11	The Applicant may review and update the ecosystem and species credit requirements in Table 1 to reflect the final construction footprint and resulting extent and type of plant community types to be cleared. Amendments to the ecosystem and species credit requirements must be undertaken in consultation with CPHR and approved by the Planning Secretary prior to the commencement of construction of the relevant offset stage.	NT	KS (pers comms) confirmed that AGLM have not sought to review credit requirements, outside those amendments approved by DPHI during the SSD 8889679 MOD3 process.																																																																																																												
	<p>Table 1: Ecosystem Credit Requirements</p> <table><tr><th rowspan="2">Vegetation Community</th><th colspan="7">Credits Required</th></tr><tr><th>Stage 1</th><th>Stage 2A</th><th>Stage 2B</th><th>Stage 3A</th><th>Stage 3B</th><th>Stage 4</th><th>Stage 5</th><th>Total</th></tr><tr><td colspan="9">Ecosystem credits</td></tr><tr><td>Narrow-leaved Ironbark - Grey Box grassy woodland of the central and upper Hunter – Moderate</td><td>-</td><td>9</td><td>-</td><td>-</td><td>7</td><td>22</td><td>-</td><td>38</td></tr><tr><td>1691 Narrow-leaved Ironbark - Grey Box grassy woodland of the central and upper Hunter – Rehabilitation</td><td>-</td><td>7</td><td>-</td><td>-</td><td>1</td><td>154</td><td>24</td><td>186</td></tr><tr><td>1691 Narrow-leaved Ironbark - Grey Box grassy woodland of the central and upper Hunter – Native Grassland</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>22</td><td>-</td><td>22</td></tr><tr><td>1731 Swamp Oak - Weeping Grass grassy riparian forest of the Hunter Valley – Moderate-Good</td><td>-</td><td>1</td><td>-</td><td>-</td><td>-</td><td>6</td><td>-</td><td>7</td></tr><tr><td>1692 Bull Oak grassy woodland of the central Hunter Valley – Moderate-Good</td><td>-</td><td>-</td><td>-</td><td>10</td><td>-</td><td>7</td><td>-</td><td>17</td></tr><tr><td>1071 Phragmites australis and Typha orientalis coastal freshwater wetlands of the Sydney Basin Bioregion – Moderate</td><td>-</td><td>40</td><td>-</td><td>-</td><td>-</td><td>42</td><td>-</td><td>82</td></tr><tr><td colspan="9">Species credits</td></tr><tr><td>Southern myotis</td><td>-</td><td>44</td><td>107</td><td>21</td><td>-</td><td>-</td><td>24</td><td>196</td></tr><tr><td>Striped legless lizard</td><td>1</td><td>6</td><td>10</td><td>15</td><td>15</td><td>214</td><td>18</td><td>279</td></tr></table>	Vegetation Community	Credits Required							Stage 1	Stage 2A	Stage 2B	Stage 3A	Stage 3B	Stage 4	Stage 5	Total	Ecosystem credits									Narrow-leaved Ironbark - Grey Box grassy woodland of the central and upper Hunter – Moderate	-	9	-	-	7	22	-	38	1691 Narrow-leaved Ironbark - Grey Box grassy woodland of the central and upper Hunter – Rehabilitation	-	7	-	-	1	154	24	186	1691 Narrow-leaved Ironbark - Grey Box grassy woodland of the central and upper Hunter – Native Grassland	-	-	-	-	-	22	-	22	1731 Swamp Oak - Weeping Grass grassy riparian forest of the Hunter Valley – Moderate-Good	-	1	-	-	-	6	-	7	1692 Bull Oak grassy woodland of the central Hunter Valley – Moderate-Good	-	-	-	10	-	7	-	17	1071 Phragmites australis and Typha orientalis coastal freshwater wetlands of the Sydney Basin Bioregion – Moderate	-	40	-	-	-	42	-	82	Species credits									Southern myotis	-	44	107	21	-	-	24	196	Striped legless lizard	1	6	10	15	15	214	18	279				
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Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
	Notes: <ul style="list-style-type: none"> To identify the surface disturbance areas associated with Offset Stages 1, 2A, 2B, 3A, 3B, 4 and 5 in Table 1, refer to the Figure in Appendix 3. The credits in Table 1 were calculated in accordance with Biodiversity Assessment Methodology (BAM) (DPIE, 2020). The available credit retirement options for the development include purchase and retirement of open market available biodiversity credits, payment into the Biodiversity Conservation Fund or establishment of a Biodiversity Stewardship Site. 	Note	Note only.	
AMENITY				
Noise				
B12	<p>The Applicant must:</p> <p>(a) ensure that noise generated by any construction is managed in accordance with the <i>Interim Construction Noise Guideline</i> (DECC, 2009), or its latest version; and</p>	C	<p>Viewed SLR Consulting 'Construction Noise Impact Statement Liddell Power Station BESS' (CNIS), completed for Fluence, dated 25/03/25. The CNIS was prepared to assess construction noise during general out of hours work, to meet the requirements of the Stage 2 NMP. The CNIS modelled a typical equipment fleet for the Project (Appendix B of the CNIS) and found that works would comply with noise criteria at sensitive receiver locations.</p> <p>Viewed Umwelt 'Liddell BESS Construction Noise Monitoring – April 2025' letter to Enerven dated 28/04/25. Umwelt</p>	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
			completed daytime attended noise compliance monitoring on 2/04/25 at locations representative of sensitive receivers. BESS construction works at the time of monitoring were compliant with NMP noise criteria.	
	(b) take all reasonable and feasible steps to minimise noise from construction and operational activities.	C	See Schedule 2, Condition A12 above. Plant and equipment in operation during the audit site inspection were observed to be operating efficiently and generally in accordance with commitments in Project management documents. See Schedule 2, Condition B7 above. Examples of environmental inspections completed during the audit period include verification of noise controls and equipment operation. No noise complaints were received during the audit period.	
Hours of construction				
B13	All construction work at the premises must be conducted between 7 am and 6 pm Monday to Friday and between 8 am and 1 pm Saturdays and at no time on Sundays	C	The audit team undertook contractor	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
	and public holidays, unless an out of hours protocol is included within an approved Construction Environment Management Plan or the Planning Secretary agrees otherwise.		<p>induction where the team was advised of the approved operating hours, and completion of training required a 'sign off' to verify awareness.</p> <p>Viewed examples of completed Enerven 'HIRAC / Pre-Start / Job Sheet' forms from 7 – 9/07/25. Sign-In and sign out times are generally consistent with approved construction hours.</p> <p>Section 7.1 of the approved NMP includes an out of hours work protocol for construction work (OOH Protocol). Viewed examples of completed Enerven 'Notice of Out of Hours Work' for:</p> <ul style="list-style-type: none"> • 14/06/25; • 21/06/25; • 28 – 29/06/25; • 5 – 6/07/25. <p>The Enerven notices document the proposed activities, include an estimate of noise predictions, and required noise mitigation measures, consistent</p>	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
			with the OOH Protocol in the NMP.	
Exceptions to construction hours				
B14	<p>The following activities may be carried out outside the recommended construction hours:</p> <p>(a) construction that causes LAeq (15minute) noise levels that are:</p> <p>(i) no more than 5 dB above Rating Background Level at any residence in accordance with the <i>Interim Construction Noise Guideline</i> (DECC, 2009); and</p> <p>(ii) no more than the Noise Management Levels specified in Table 3 of the <i>Interim Construction Noise Guideline</i> (DECC, 2009) at other sensitive land uses; or</p>	C	See Schedule 2, Condition B13 above.	
	(b) Decoupling works required to be completed during station outages; or	NT	See Schedule 2, Condition B13 above.	
	(c) for the delivery of materials required by the police or other authorities for safety reasons; or	NT	See Schedule 2, Condition B13 above.	
	(d) where it is required in an emergency to avoid the loss of lives, property and/or to prevent environmental harm.	NT	See Schedule 2, Condition B13 above.	
Dust and air emissions				
B15	<p>The Applicant must take all reasonable and feasible steps to:</p> <p>(a) minimise odour, fume and dust emissions of the development;</p>	C	<p>Generation of dust from project equipment and exposed areas was adequately managed during the audit site inspection (see Plate 14). No odour or fume was observed.</p> <p>A watercart was also operating to minimise dust from Stage 2 operational areas at the time of audit (see Plate</p>	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
			15). SM (pers comms) confirmed that the watercart was retained on site full-time for Stage 2 work.	
	(b) eliminate or minimise the risk of spontaneous combustion; and	C	JM (pers comms) confirmed spontaneous combustion was not identified during the audit period.	
	(c) minimise to the greatest extent practicable, dust generating surfaces exposed on the site.	C	See Schedule 2, Condition B7 above. Regular inspections completed for the Project contractor during the audit period assess dust generation from exposed areas required for construction work on a daily basis.	It is recommended that AGLM review opportunities to establish vegetation cover on Project stockpiles that will remain in place in the medium to long-term (see Plate 16 and Plate 17).
Visual				
B16	The Applicant must: (a) minimise the off-site visual impacts of the development;	C	See Schedule 2, Condition B7 above. Regular inspections completed for the Project contractor during the audit period review off-site visual impacts, the appearance of infrastructure and that no advertising or related signage is present. No significant visual impacts from Project infrastructure were	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
			observed at the time of audit and no advertising signage was observed.	
	(b) ensure the visual appearance of all ancillary infrastructure (including paint colours) blends in as far as possible with the surrounding landscape; and	C	See Schedule 2, Condition B16(a) above.	
	(c) not mount any advertising signs or logos on site, except where this is required for identification or safety purposes.	C	See Schedule 2, Condition B16(a) above.	
Lighting				
B17	The Applicant must: (a) minimise the off-site lighting impacts of the development; and	C	The need to minimise lighting impacts is outlined in the Project EMS (see Schedule 2, Condition 2, Condition C1) and BMP (see Schedule 2, Condition 2, Condition B8).	
	(b) ensure that any external lighting associated with the development: <ul style="list-style-type: none"> is installed as low intensity lighting (except where required for safety or emergency purposes); does not shine above the horizontal; and complies with <i>Australian Standard AS4282 (INT) 1997 – Control of Obtrusive Effects of Outdoor Lighting</i>, or its latest version. 	C	SM (pers comms) noted that limited lighting outside of the site offices was required during the audit period due to approved construction hours. During the audit period a mobile lighting plant was installed at the carpark for the temporary offices (see Plate 13).	It is recommended that AGLM document the process for introduction of new lighting plants to site, to ensure any external lighting complies with SSD 8889679 conditions.
HERITAGE				
Protection of Heritage Items				
B18	The Applicant must ensure the development does not cause any direct or indirect	C	JM (pers comms)	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
	impacts on the Aboriginal heritage items located outside the development footprint.		<p>confirmed no new heritage items were identified during the audit period and no known heritage sites were impacted.</p> <p>Viewed Enerven induction package 'Heritage – Unanticipated Finds Protocol' which outlines heritage obligations for all Project personnel.</p> <p>See Schedule 2, Condition B7 above. Regular inspections completed for the Project contractor during the audit period include a confirmation check that new heritage items have not been identified.</p>	
B19	<p>If any previous unknown Aboriginal object of Aboriginal place is discovered on the site, or suspected to be on the site:</p> <p>(a) all work in the immediate vicinity of the object or place must cease immediately;</p> <p>(b) a 10m buffer area around the object or place must be cordoned off; and</p> <p>(c) Heritage NSW must be contacted immediately.</p>	NT	See Schedule 2, Condition B18 above.	
B20	<p>Work in the immediate vicinity may only recommence if:</p> <p>(a) the potential Aboriginal object is confirmed by Heritage NSW, in consultation with the Registered Aboriginal Parties, not to be an Aboriginal object or Aboriginal place;</p> <p>(b) the Cultural Heritage Management Plan is revised to include the Aboriginal object and appropriate measures in respect of it; or</p>	NT	See Schedule 2, Condition B18 above.	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
	(c) the Planning Secretary is satisfied with the measures to be implemented in respect of the Aboriginal object and makes a written direction in that regard.			
B21	The Applicant must ensure that all known Aboriginal objects or Aboriginal places on the site and within any offset areas are properly recorded, those records are kept up to date and are reported to the Aboriginal Heritage Information Management System (AHIMS).	C	Viewed AHIMS register where soft copies of heritage site cards are stored, and AHIMS site GIS data on the AGL spatial portal. The AHIMS Site GIS data had last been updated November 2024. Also sighted proposal to AGL dated 25/07/25 from OzArk (heritage specialists) to undertake a desktop AHIMS site audit.	
Cultural Heritage Management Plan				
B22	B22. The Applicant must prepare an Aboriginal Cultural Heritage Management Plan for the development. The plan must (a) be prepared by suitably qualified and experienced persons approved by the Secretary;	C	Stage 2 Viewed letter from Planning dated 06/06/25 approving the revised ACHMP following SSD 8889679 MOD2. The approved BMP is Revision 6, dated 05/05/25.	
	(b) be prepared in consultation with Registered Aboriginal Parties and Heritage NSW;	C	Evidence of consultation with RAPs and Heritage NSW is included in Sections 5 – 6 and Appendices B – C of the ACHMP.	
	(c) be submitted to the Planning Secretary for approval prior to carrying out construction under this consent;	C	See Schedule 2, Condition B22(a) above.	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
	(d) describe the measures to be implemented on the site to: <ul style="list-style-type: none"> (i) comply with the heritage-related operating conditions of this consent; (ii) ensure all workers receive suitable Aboriginal cultural heritage inductions prior to carrying out any activities which may cause impacts to Aboriginal objects or Aboriginal places, and that suitable records are kept of these inductions; (iii) protect, monitor and/or manage identified Aboriginal objects and Aboriginal places (including investigation of design options to avoid disturbance of Aboriginal objects) in accordance with the commitments made in the document/s listed in condition A2(c); (iv) protect Aboriginal objects and Aboriginal places located outside the approved disturbance area from impacts of the development; (v) manage the discovery of suspected human remains and any new Aboriginal objects or Aboriginal places, including provisions for burials, over the life of the development; (vi) maintain and manage reasonable access for relevant Aboriginal stakeholders to Aboriginal objects and Aboriginal places (outside of the approved disturbance area); and (vii) facilitate ongoing consultation and involvement of Registered Aboriginal Parties in the conservation and management of Aboriginal cultural heritage on the site; and (viii) include a strategy for the care, control and storage of Aboriginal objects salvaged on the site, both during the life of the development and in the long term. 	C	See Schedule 2, Condition B18 above. JM (pers comms) confirmed that no requests for access were made by RAPs during the audit period. Sighted heritage education training content included within the visitor induction training. Also viewed Fluence 'Project Induction, Liddell BESS', which outlines heritage management obligations and procedures that apply to all project works.	
B23	The Applicant must implement the Aboriginal Cultural Heritage Management Plan approved by the Planning Secretary.	C	See Schedule 2, Conditions B18 and B22 above.	
SOIL AND WATER				
Water Supply				
B24	The Applicant must ensure that it has sufficient water for all stages of the development, and if necessary, adjust the scale of the development to match its available water supply.	C	JM (pers comms) confirmed that there were no changes to	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
	<p>Note: Under the Water Act 1912 and/or the Water Management Act 2000, the Applicant is required to obtain the necessary water licences for the development.</p>		<p>water supply arrangements during the audit period.</p> <p>Viewed letter from Planning dated 06/06/25 approving the revisions to the SSFSMP following SSD 8889679 MOD2. The approved SSFSMP is Revision 6, dated 05/05/25. Section 4.3 of the SSFSMP outlines AGLM water allocations and confirms that projected BESS construction demand will not impact on water supply or licensing needs.</p> <p>Viewed the 'Liddell Water Tracking Register – Liddell BESS' that records water use for Stage 2 works during the audit period.</p> <p>Examples of Robson Civil reporting of monthly water use (including watercart) to Enerven were viewed for April, May and June 20205.</p>	
Water Pollution				
B25	The Applicant must ensure that all surface discharges from the development comply with all relevant provisions of the POEO Act, including any discharge limits (both volume and quality) set for the development in any EPL.	C	Viewed Enerven 'Liddell BESS – Pump Plan, Version 4.0' dated	It is recommended that AGLM retain correspondence

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
			<p>05/05/25.</p> <p>JM (pers comms) noted that direct offsite discharges from the Stage 2 work area did not occur during the audit period. Excess water from Project attenuation basins is transferred into the existing Liddell Power Station water management system for discharge via EPL 2122 Discharge Point 17.</p> <p>Viewed completed Enerven 'Dewatering Logbook, Liddell BESS' that records the volumes and quality (with certificates of lab analysis) of water transferred from the Project to the Liddell Power Station water management system following rainfall events. Dewatering logs were completed by Enerven representatives on:</p> <ul style="list-style-type: none"> • 01/05/25; • 21/05/25; • 21/05/25; • 22/05/25; • 24/05/25; 	<p>between Project contractors that documents transfers from the Project to the Liddell Power Station water management system prior to discharge under EPL 2122.</p> <p>It is also recommended that the SSFSMP is updated to clarify that water of a quality outside of EPL 2122 criteria may be transferred to the adjacent Liddell Power Station water management system for treatment / settling prior to discharge in accordance with the EPL.</p>

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
			<ul style="list-style-type: none"> • 27/05/25; • 28/05/25; • 06/06/25; • 11/06/25; and • 12/06/25. 	
Operating Conditions				
B26	<p>The Applicant must:</p> <p>(a) ensure the development is designed, constructed and maintained to minimise impacts on surface water, flooding and groundwater at the site;</p>	NC	<p>Viewed letter from Planning dated 06/06/25 approving the revisions to the BMP following SSD 8889679 MOD2. The approved BMP is Revision 6, dated 05/05/25.</p> <p>Viewed Enerven 'Liddell Battery Energy Storage System Progressive ESCP No. 6 – Stage 2' (Progressive ESCP) dated 08/07/25. The Progressive ESCP outlines design, management and monitoring principles for Liddell BESS erosion and water management controls and notes that all are to be constructed generally in accordance with Landcom (2004).</p> <p>See Schedule 2, Condition B7 above. Regular inspections completed for the Project contractor during the</p>	<p>It is recommended that the Progressive ESCP document is updated to reflect erosion and sediment control arrangements for the coal bays area and battery laydown area being used for Stage 2.</p> <p>It is also recommended that requirements from 'methodology' documents are communicated to the Project workforce and evidence retained, if permanent fencing is extended to other sections of the Project Boundary.</p>

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
			<p>audit period include the review of erosion and sediment controls and attenuation basins.</p> <p>Erosion and sediment attenuation basins, sumps and drains were observed to be well maintained at the time of audit, with pumps in place to managed stored water levels as required (see Plate 19, Plate 20, and Plate 21).</p> <p>See Schedule 2, Condition B7 above regarding the installation of a permanent boundary fence that was underway at the time of audit.</p> <p>Evidence was not available at the time of audit to confirm that all controls from the permanent fence installation 'methodology' document for Stage 2 had been implemented.</p>	
	(b) minimise any soil erosion associated with the construction, upgrading or decommissioning of the development in accordance with the relevant requirements in the <i>Managing Urban Stormwater: Soils and Construction</i> (Landcom, 2004) manual, or its latest version;	C	See Schedule 2, Condition B26(a) above.	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
	(c) ensure the battery energy storage system and ancillary infrastructure are designed, constructed and maintained to avoid causing any erosion on site; and	C	See Schedule 2, Condition B26(a) above.	
	(d) ensure all works are undertaken in accordance with the <i>Guidelines for Controlled Activities on Waterfront Land</i> (NRAR, 2018), or its latest version unless DPE Water agrees otherwise.	NT	Viewed plan 'Liddell BESS Indicative Construction Area', with buffers mapped around the Project Boundary. Project work areas are not located on Waterfront Land.	
WASTE				
B27	<p>The Applicant must:</p> <p>(a) take all reasonable steps to minimise the waste generated by the development;</p>	C	<p>Viewed letter from Planning dated 06/06/25 approving the revisions to the WMP following SSD 8889679 MOD2. The approved WMP is Revision 6, dated 05/05/25. Section 5 of the WMP outlines waste management measures for the Project.</p> <p>See Schedule 2, Condition B7 above. Regular inspections completed for the Project contractor during the audit period reviewed waste management and housekeeping, including the location of waste bins and spill kits.</p> <p>Segregated waste bins were in place at key locations within the</p>	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
			Stage 2 area at the time of inspection (see Plate 22 and Plate 23).	
	(b) classify all waste in accordance with the <i>Waste Classification Guidelines</i> (EPA, 2014);	C	JM (pers comms) confirmed that Project waste is managed under contract. Viewed 'Waste Tracking Register – Liddell BESS' for December – February 2025 and examples of Remondis invoices for the 'Enerven Liddell – Bess Project' dated 30/04, 31/05, 30/06. Waste is classified by type, in accordance with EPA guidelines.	
	(c) dispose of all waste at appropriately licensed waste facilities or as expressly permitted in an applicable EPL; and	C	Viewed examples of Remondis waste tracking certificates for the disposal of scheduled project waste during the audit period, including waste oils and septic pump out.	
	(d) manage any asbestos or asbestos-contaminated materials identified during construction and operation of the development in accordance with the requirements under the <i>Protection of the Environment Operations (Waste) Regulation 2014</i> .	C	Section 5.4 of the WMP outlines the requirements for the management of any asbestos waste identified from the Project, including conformance with the POEO Waste Regulation. Section 5.1 of the Project	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
			<p>CMP also provides a procedure to be implemented for any unexpected asbestos finds.</p> <p>Viewed email from Fluence to AGLM dated 28/01/25 noting that potential asbestos material has been identified in Coal Bay 3 and that the CEMP Unexpected Protocol has been implemented.</p> <p>Enerven inspection 'Potential Contamination, Project: 699 Liddell BESS' dated 28/01/25 documents identification of potentially contaminated material and collection for analysis by the HTS – Asbestos Supervisor.</p> <p>Viewed ASET letter dated 30/01/25 that outlines results from the analysis of two samples forward from the AGLM coal bays being developed for Project Stage 2. JM (pers comms) noted that other potentially contaminated material was not identified during the audit period.</p>	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations						
DECOMMISSIONING AND REHABILITATION										
B28	<p>The Applicant must rehabilitate the development to the satisfaction of the Planning Secretary.</p> <p>The rehabilitation must comply with the objectives in Table 2.</p> <p>Table 2: Rehabilitation Objectives</p> <table><tr><th>Feature</th><th>Objective</th></tr><tr><td>All areas of the site affected by the development</td><td><ul style="list-style-type: none">• → Safe, stable and non-polluting• → All infrastructure to be decommissioned and removed, unless the Planning Secretary agrees otherwise• → Minimise the visual impact of any above-ground ancillary infrastructure agreed to be retained for an alternative use</td></tr><tr><td>Community</td><td><ul style="list-style-type: none">• → Ensure public safety at all times</td></tr></table>	Feature	Objective	All areas of the site affected by the development	<ul style="list-style-type: none">• → Safe, stable and non-polluting• → All infrastructure to be decommissioned and removed, unless the Planning Secretary agrees otherwise• → Minimise the visual impact of any above-ground ancillary infrastructure agreed to be retained for an alternative use	Community	<ul style="list-style-type: none">• → Ensure public safety at all times	C	JM (pers comms) confirmed that no rehabilitation work has been completed for the Project.	It is recommended that AGLM review opportunities to establish vegetation cover on Project stockpiles that will remain in place in the medium to long-term (see Plate 16 and Plate 17).
Feature	Objective									
All areas of the site affected by the development	<ul style="list-style-type: none">• → Safe, stable and non-polluting• → All infrastructure to be decommissioned and removed, unless the Planning Secretary agrees otherwise• → Minimise the visual impact of any above-ground ancillary infrastructure agreed to be retained for an alternative use									
Community	<ul style="list-style-type: none">• → Ensure public safety at all times									
SCHEDULE 2: PART C – ENVIRONMENTAL MANAGEMENT AND REPORTING										
ENVIRONMENTAL MANAGEMENT										
Environmental Management Strategy										
C1	<p>Prior to commencing construction, the Applicant must prepare an Environmental Management Strategy for the development to the satisfaction of the Secretary. This strategy must:</p> <p>(a) provide the strategic framework for environmental management of the development;</p>	C	<p>Viewed letter from Planning dated 06/06/25 approving the revisions to the Stage 2 EMS following SSD 8889679 MOD2. The approved EMS is Revision 6, dated 05/05/25.</p> <p>Section 4 of the EMS includes a summary of the environmental management framework for the Project.</p>							
	<p>(b) identify the statutory approvals that apply to the development;</p>	C	<p>Section 3 of the EMS includes a summary of statutory approvals for the Project.</p>							

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
	(c) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the development;	C	Section 4, Table 4 of the EMS outlines roles and responsibilities for key AGLM and contractor personnel in relation to the Project.	
	(d) describe the procedures that would be implemented to: <ul style="list-style-type: none"> (i) keep the local community and relevant agencies informed about the operation and environmental performance of the development; (ii) receive, handle, respond to, and record complaints; (iii) resolve any disputes that may arise; (iv) respond to any non-compliance; (v) respond to emergencies; and 	C	The EMS includes procedures for: <ul style="list-style-type: none"> (i) Stakeholder engagement (Section 5); (ii) Complaints response (Section 5); (iii) Dispute resolution (Section 5) (iv) Response to non-compliances (Section 9); (v) Response to emergencies and incidents (Section 4). 	
	(e) include: <ul style="list-style-type: none"> (i) the following subplans: <ul style="list-style-type: none"> • soil, stormwater, water quality, flood and spoil management; • construction and decommissioning noise, including an out-of-hours works protocol; • air quality management; • contamination, including an unexpected finds protocol • waste management; and • traffic. (ii) references to any strategies, plans and programs approved under the conditions of this approval; and 	C	Section 6 of the EMS refers to approved Project documents, with approved sub-plans attached to the EMS as Appendices C – H. Section 6.2 of the EMS also refers to the Project BMP which was prepared outside of the EMS. Section 8 of the EMS describes the environmental	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
	(iii) a clear plan depicting monitoring to be carried out under the conditions of this approval.		monitoring program for the Project and provides a plan of monitoring locations.	
C2	Applicant must implement the Environmental Management Strategy approved by the Planning Secretary.	C	<p>A review of the following documents found that AGLM were generally implementing the EMS during the audit period:</p> <ul style="list-style-type: none"> • AGLM and contractor induction and training records; • AGM and contractor inspections and closeout of corrective actions; • Environmental monitoring records; and • The general layout and condition of the site during the audit site inspections (see Appendix C). <p>JM (pers comms) noted that the Project is discussed at regular meetings of the AGLM Hunter CCC. Viewed minutes of the AGLM Hunter CCC from February 2025, which note that an update on the Project was provided. Viewed the 'AGLM</p>	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
			<p>Complaints Register 2025' up to June 2025. No Project-related complaints have been received.</p> <p>KS (pers comms) noted that environmental incidents are recorded in the AGLM 'myHSE' system and that no reportable incidents occurred during the audit period. Minor / low risk incidents and corrective actions had been recorded in myHSE on 31/01/25 and 21/03/25.</p>	
Revision of Strategies, Plans and Programs				
C3	Within 3 months, unless the Planning Secretary agrees otherwise, of:	NT	See Schedule 2, Condition C2 above. The submission of incident reports to DPHI were not required during the audit period.	
	(a) the submission of an incident report under condition C4 below;			
	(b) the submission of an audit report under condition C13 below; and	C	Viewed letter from DPHI to AGLM of 24/02/25 approving an extension for the next review of project management plans until after this IEA.	
	(c) the approval of any modification to the conditions of this consent; or	C	Viewed letter from Planning dated 06/06/25 referring to AGLM submission of revised Stage 2 management	It is recommended that AGLM complete a review of the Project management plans

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
			plans required under the consent on 9/05/25 following MOD2.	by 18/09/25, to reflect the determination of MOD3.
	(d) a direction of the Secretary under condition A3 of Schedule 2; the Applicant must review and, if necessary, revise the studies, strategies or plans required under the conditions of consent to the satisfaction of the Secretary. Where this review leads to revisions in any such document, then within 4 weeks of the review the revised document must be submitted to the Secretary for approval, unless otherwise agreed with the Secretary.	NT	JM (pers comms) confirmed no directions were made by the Secretary during the audit period in relation to SSD 8889679 documents.	
	<i>Note: This is to ensure the strategies, plans and programs are updated on a regular basis and incorporate any recommended measures to improve the environmental performance of the development.</i>			
COMPLIANCE				
Incident Notification, Reporting and Response				
C4	The Planning Secretary must be notified in writing via the Major Projects website immediately after the Applicant 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. Subsequent notification requirements must be given, and reports submitted in accordance with the requirements set out in Appendix 4.	NT	See Schedule 2, Condition C2 above. No incidents requiring notification to DPHI occurred during the audit period.	
Non-Compliance Notification				
C5	The Planning Secretary must be notified in writing via the Major Projects website within seven days after the Applicant becomes aware of any non-compliance.	NT	JM (pers comms) confirmed that no non-compliances were identified during the audit period.	
C6	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-	NT	See Schedule 2, Condition C5 above.	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
	compliance.			
C7	A non-compliance which has been notified as an incident does not need to also be notified as a non- compliance.	NT	See Schedule 2, Condition C5 above.	
Compliance Reporting				
C8	Compliance Reports of the project must be carried out in accordance with the Compliance Reporting Requirements outlined in the Compliance Reporting Post Approval Requirements (2020).	NT	KS (pers comms) confirmed that Compliance Reports were not required during the audit period.	
C9	Compliance Reports must be submitted to the Department in accordance with the timeframes set out in the Compliance Reporting Post Approval Requirements (2020), unless otherwise agreed to by the Planning Secretary.	NT	See Schedule 2, Condition C8 above.	
C10	The Applicant must make each Compliance Report publicly available within 60 days of submitting it to the Planning Secretary, unless otherwise agreed by the Planning Secretary.	NT	See Schedule 2, Condition C8 above.	
C11	Notwithstanding the requirements of the Compliance Reporting Post Approval Requirements (2020, or its latest version), the Planning Secretary may approve a request for ongoing annual operational compliance reports to be ceased, where it has been demonstrated to the Planning Secretary's satisfaction that an operational compliance report has demonstrated operational compliance.	NT	See Schedule 2, Condition C8 above.	
NOTIFICATIONS				
Notification of Department				
C12	<p>Prior to commencing the construction, operations, upgrading or decommissioning of the development or the cessation of operations, the Applicant must notify the Department via the Major Projects website portal of the date of commencement, or cessation, of the relevant phase.</p> <p>If any of these phases of the development are to be staged, then the Applicant must notify the Department in writing prior to commencing the relevant stage, and clearly identify the development that would be carried out during the relevant stage.</p>	NT	JM (pers comms) confirmed that notifications to DPHI were not required during the audit period as no additional stages of the Project had commenced.	
INDEPENDENT ENVIRONMENTAL AUDIT				

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
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).	C	This IEA.	
C14	Proposed independent auditors must be agreed to in writing by the Planning Secretary prior to the commencement of an Independent Audit.	C	DPHI letter of 25/06/25 endorsed the Xenith audit team to complete the IEA.	
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.	NT	The Planning Secretary has not required that audits are completed at different frequencies.	
C16	In accordance with the specific requirements in the Independent Audit Post Approval Requirements (2020, or its latest version), the Applicant must: <ul style="list-style-type: none"> (a) review and respond to each Independent Audit Report prepared under condition C13 of this approval, or condition C15 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. 	C	Viewed AGLM response to previous IEA dated 14/03/25, available on the AGLM website. The status of actions arising from the previous IEA are summarised in the main body of this IEA report.	
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.	C	The AGLM response submitted was within two months of the end of the previous IEA period. Viewed letter from DPHI to AGLM dated 13/05/25 in response to lodgement of the previous IEA report and response to audit findings.	
C18	Notwithstanding the requirements of the Independent Audit Post Approval Requirements (2020, or its latest version), the Planning Secretary may approve a	NT	JM (pers comms) confirmed that no	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
	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.		requests to cease independent auditing were made.	
ACCESS TO INFORMATION				
C19	<p>The Applicant must:</p> <p>(a) make the following information publicly available on its website as relevant to the stage of the development:</p> <ul style="list-style-type: none"> (i) the EIS; (ii) the final layout plans for the development; (iii) current statutory approvals for the development; (iv) approved strategies, plans or programs required under the conditions of this consent; (v) the proposed staging plans for the development if the construction, operation or decommissioning of the development is to be staged; (vi) how complaints about the development can be made; (vii) a complaints register; (viii) any independent environmental audit, and the Applicant's response to the recommendations in any audit; and (ix) any other matter required by the Planning Secretary; and 	NC	<p>Viewed AGLM Project website on 7/07/25. The following documents were not publicly available:</p> <ul style="list-style-type: none"> • SSD 8889679 MOD2 and MOD3 Modification Reports; and • Fire Safety Study. 	<p>It is recommended that AGLM publish the remaining documents required by Condition C19 on the Project website, or list documents individually and provide direct links to the Major Projects Portal, to ensure these documents are easily accessible to the general public.</p> <p>It is noted that AGLM had published these files on the project website on 09/09/25.</p>
	(b) keep this information up to date.			
SCHEDULE 2: PART D – CONDITIONS EXTRACTED FROM CONSENTS REFERRED TO IN CONDITION A5				
	<p>Note: For the avoidance of doubt, a consent listed in condition A5 will be surrendered and cease to operate from the date on which a valid notice is served on the consent authority pursuant to cl 97 of the EP&A Regulation. The conditions listed in this Part D are drawn from the consents listed in condition A5 but form part of this consent from the date of this consent.</p>			
CONDITIONS FROM DA 8.2018.273.2 - LOW PRESSURE PUMP STATION STABILISATION (SINGLETON COUNCIL)				

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations						
D1	The development of the Low Pressure Pump Station Stabilisation is to be undertaken in accordance with the mitigation and management measures contained within Table 5-1 of the following document:	C	Viewed AGLM spreadsheet 'audit evidence' that reproduces Table 5-1 of GHD (2018) referred to under the audit condition and photos of the facility taken during the audit period. AGLM records indicate that construction for the project (stabilisation works) is complete and controls for operation of the facility remain in place.	It is recommended that AGLM implement a process for the regular inspection of the Low Pressure Pump Station site, to document and obtain evidence to demonstrate that appropriate environmental controls remain in place to minimise erosion and water quality impacts or any identify corrective actions required.						
	<table><tr><th>Title</th><th>Written By</th><th>Date</th></tr><tr><td>Bayswater Low Pressure Pump Stabilisation Biodiversity Development Assessment Report</td><td>GHD</td><td>December 2018</td></tr></table>	Title	Written By	Date	Bayswater Low Pressure Pump Stabilisation Biodiversity Development Assessment Report	GHD	December 2018			
Title	Written By	Date								
Bayswater Low Pressure Pump Stabilisation Biodiversity Development Assessment Report	GHD	December 2018								
D2	Site Contamination Issued During Construction - Should any new information come to light during demolition or construction works which has the potential to alter previous conclusions about site contamination, the Planning Secretary must be immediately notified by the applicant, and works must cease. Works must not recommence on site until approval is granted by the Planning Secretary.	NT	KS (pers comms) confirmed that no construction or demolition works were undertaken at the pump station site during the audit period.							
CONDITIONS FROM DA 20_98 - DEVELOPMENT OF RAVENSWORTH COAL UNLOADER FACILITY (SINGLETON COUNCIL)										
D3	The development of the Ravensworth Coal Unloader Facility must be carried out in	NC	Viewed AGLM	It is recommended						

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations						
	<p>accordance with the following document:</p> <table><tr><th>Title</th><th>Written By</th><th>Date</th></tr><tr><td>Proposed Macquarie Generation Rail Project at Ravensworth Environmental Impact Statement</td><td>HLA - Envirosciences</td><td>December 1997</td></tr></table>	Title	Written By	Date	Proposed Macquarie Generation Rail Project at Ravensworth Environmental Impact Statement	HLA - Envirosciences	December 1997		<p>spreadsheet 'audit evidence' that reproduces commitments from the 1997 HLA-Envirosciences EIS (1997 EIS). AGLM records indicate that parts of the facility that are still being maintained in accordance with the Aurizon 'Antiene and Newdell: Operational Environmental Management Plan' dated 17 June 2025 (ANOEMP). The ANOEMP describes management procedures to manage environmental aspects and impacts, and Aurizon manage the ongoing care and maintenance of Antiene and Newdell coal unloading facilities on behalf of AGL. Evidence was not available at the time of audit that the ANOEMP adequately captures the surface water and erosion and sediment control management requirements of the 1997 EIS.</p>	<p>that the ANOEMP is revised to incorporate the relevant surface water management commitments from the 1997 EIS, to allow these requirements to be monitored and managed. It is also recommended that AGLM retain records of evidence to confirm that care and maintenance of facility is being managed generally in accordance with the requirements of the 1997 EIS and the ANOEMP.</p>
Title	Written By	Date								
Proposed Macquarie Generation Rail Project at Ravensworth Environmental Impact Statement	HLA - Envirosciences	December 1997								
D4	<p>The applicant is to liaise with Rail Access Corporation to develop and implement operational protocols and train working procedures to expedite push-pull trains onto and off the Main Northern Line.</p>	C	<p>KS (pers comms) noted that AGLM have developed procedures to manage push-pull train</p>							

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
			<p>movements from the Ravensworth (Newdell Coal Unloader Siding) facility, to account for the use of the siding.</p> <p>AGLM request train services from Aurizon (AGLM rail provider), who liaise with HVCCC to schedule train movements.</p> <p>Viewed a 'Safety Interface Agreement' between Aurizon Operations Ltd and the Ravensworth Coal Terminal Pty Ltd dated 08/09/27 and associated 'SHE Risk Assessment' updated on 22/09/17 for use of the Ravensworth Railway and Newdell Coal Unloader Siding.</p>	
BIODIVERSITY CONSERVATION DIVISION				
D5	<p>(a) The applicant is to prepare and implement a site Environmental Management Plan for the Ravensworth Coal Unloader Facility relating to:</p> <ul style="list-style-type: none"> (i) Locations and designs for clean and contaminated water pathways, with detailed design drawings for all sediment basins. (ii) Segregated pathways and storage facilities for clean and contaminated stormwater runoff, with segregated reuse priority for contaminated water. (iii) A commitment not to allow any excess contaminated runoff to enter Bowmans Creek, and a suitable monitoring programme to demonstrate that no excess contaminated water leaves the site. (iv) A maintenance schedule for the pollution traps identifying cleaning periods 	C	Deemed compliant during previous IEA.	It is recommended that the ANOEMP is revised to incorporate the relevant requirements from Condition D5 of SSD 8889679 and where each requirement is addressed.

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations						
	<p>and methods of disposal.</p> <p>(v) A maintenance schedule for the sediment ponds identifying cleansing periods and methods of disposal.</p> <p>(b) The applicant is to demonstrate a commitment to maintaining final drainage lines in a stable condition.</p>									
CONDITIONS FROM DA 401_2000 - COAL/RAIL UNLOADER AUGMENTATION (SINGLETON COUNCIL)										
D6	<p>APPROVAL IN ACCORDANCE WITH PLANS - The development of the Coal/Rail Unloader Augmentation must be carried out generally in accordance with the development application and accompanying plans described as described in the following document:</p> <table><tr><th>Title</th><th>Written By</th><th>Date</th></tr><tr><td>Statement of Environmental Effects – Proposed Ravensworth Rail Unloader Augmentation</td><td>HLA-Envirosciences</td><td>August 2000</td></tr></table>	Title	Written By	Date	Statement of Environmental Effects – Proposed Ravensworth Rail Unloader Augmentation	HLA- Envirosciences	August 2000	NC	<p>See Schedule 2, Condition D3 above.</p> <p>KS (pers comms) confirmed that the site is in care and maintenance and is managed under the ANOEMP. However, the ANOEMP does not refer to the management requirements of the HLA-Envirosciences SEE (2000), which was not made available at the time of the audit.</p>	<p>It is recommended that the ANOEMP is revised to incorporate the relevant requirements of the HLA-Envirosciences SEE (2000).</p> <p>It is also recommended that AGLM retain records to confirm that care and maintenance of the facility is being managed generally in accordance with the requirements of the HLA-Envirosciences SEE (2000) and the ANOEMP.</p>
Title	Written By	Date								
Statement of Environmental Effects – Proposed Ravensworth Rail Unloader Augmentation	HLA- Envirosciences	August 2000								

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
APPENDIX 4 – INCIDENT NOTIFICATION AND REPORTING REQUIREMENTS				
WRITTEN INCIDENT NOTIFICATION REQUIREMENTS				
B1	A written incident notification addressing the requirements set out below must be submitted to the Planning Secretary via the Major Projects website within seven days after the Applicant becomes aware of an incident. Notification is required to be given under this condition even if the Applicant fails to give the notification required under condition 7 of Schedule 4 or, having given such notification, subsequently forms the view that an incident has not occurred.	NT	JM (pers comms) confirmed that no incidents requiring notification occurred during the audit period.	
B2	Written notification of an incident must: (a) identify the development and application number; (b) provide details of the incident (date, time, location, a brief description of what occurred and why it is classified as an incident); (c) identify how the incident was detected; (d) identify when the applicant became aware of the incident; (e) identify any actual or potential non-compliance with conditions of consent; (f) describe what immediate steps were taken in relation to the incident; (g) identify further action(s) that will be taken in relation to the incident; and (h) identify a project contact for further communication regarding the incident.	NT	See Condition B1 above.	
B3	Within 30 days of the date on which the incident occurred or as otherwise agreed to by the Planning Secretary, the Applicant must provide the Planning Secretary and any relevant public authorities (as determined by the Planning Secretary) with a detailed report on the incident addressing all requirements below, and such further reports as may be requested.	NT	See Condition B1 above.	
B4	The Incident Report must include: (a) a summary of the incident; (b) outcomes of an incident investigation, including identification of the	NT	See Condition B1 above.	

Cond	Project Approval SSD 8889679	Status	Evidence	Recommendations
	cause of the incident; (c) details of the corrective and preventative actions that have been, or will be, implemented to address the incident and prevent recurrence; and (d) details of any communication with other stakeholders regarding the incident.			

Table C2 RTS Updated Mitigation Measures (Jacobs, 2021)

Ref	Environmental management measures	Timing (Jacobs, 2021)	Status	Evidence	Recommendations
Hazard and risk					
HR1	<p>During detailed design for the Project:</p> <ul style="list-style-type: none"> A detailed bushfire threat assessment will be conducted for the Project, including establishment of an APZ, in consultation with the RFS The separation distance between infrastructure within the Battery will be determined in accordance with applicable Codes and Standards and manufacturer's recommendations so that the preferred strategy of allowing a fire in one Battery enclosure or inverter to burn without the risk of propagating to other infrastructure can be maintained without the need for external firefighting The separation distance within the Battery will be determined in accordance with applicable Codes and Standards and manufacturer's recommendations to allow safe escape in case of a fire The need for active firefighting requirements at the Battery will be determined in consultation with RFS, FRNSW and the DPIE. Detailed fire fighting response and any need for fire water containment will be assessed and reported (e.g. in the format of a Fire Safety Study) post development approval, for review by DPIE, Fire rescue NSW and the RFS. The FSS will be developed in accordance with the requirements of Hazardous Industry Planning Advisory Paper No. 2 – Fire Safety Study Guidelines (HIPAP No. 2) The health and safety associated with EMF on the site and the potential exposure to EMF will be considered for AGLM staff and contractors as part of AGLM's obligations for their health and wellbeing under the Work Health and Safety Regulations 2011 (NSW) Measures to prevent a leak occurring from the brine pipeline, the emergency diesel generators and at the Battery, and for secondary containment should a leak occur, will be included as part of the detailed of the Project. The likelihood of a significant loss of containment event associated with this Project (Level 4) will be 	Detailed design	C	<p>See Schedule 2, Conditions B2 and B5 above.</p> <p>Viewed Enerven 'Liddell BESS Emergency Plan and Site Layout, version 2.2', dated 29/01/25. The Plan provides an overview of the construction site offices and indicates the location emergency response equipment and assembly points. A copy of the plan was on a notice board at the Project offices at the time of audit (see Plate 24).</p>	<p>It is recommended that AGLM incorporate the risk management measures from Planager (2021) relevant to Stage 2 in the Project compliance register prior to commissioning of the BESS.</p>

Ref	Environmental management measures	Timing (Jacobs, 2021)	Status	Evidence	Recommendations
	<p>designed to Rare in accordance with AGL's Risk Management and Assessment Standard</p> <ul style="list-style-type: none"> The PHA be progressed to a FHA once the design of the development has been finalised. Commitments identified in the PHA will be integrated into the management for the Project. <p>The register of commitments (Appendix 1 of the PHA (Planager Pty Ltd, 2021)) will be integrated into the management for the Project. This includes integration of 84 individual commitments, including for the design, installation and maintenance of the Battery automatic shutdown system on exceedance of safe limits; installation of deflagration venting and fire protection inside the Battery enclosures; design of the brine pipeline, waste oil facility, emergency diesel generators and the Battery such that the risk of pollution from a release is reduced to ALARP; installation of protective barriers, including at the transformers; and application of a rigorous and formal management of change process for the Project, including detailed hazard identification and risk assessment processes.</p>				
HR2	Design and selection of all electrical equipment is to minimise EMF levels and comply with International Commission on Non-Ionizing Radiation Protection (ICNIRP) reference levels	Detailed design	NT	JM (pers comms) confirmed that this commitment is not relevant to Stage 2 works completed during the audit period.	
HR3	Risks associated with the Project will be managed through a Management of Change process. AGLM implements an Asset Change Management Standard, and any major change (defined as a change that has major implications to the strength, stability, operation and design of the asset and/or health and safety of employees) must undergo a detailed risk assessment using the AGL Risk Management and Assessment Standard to assess the risks that may be introduced by the proposed change. This will be undertaken for all Project components and appropriate controls implemented to reduce the risk to an acceptable level.	Prior to construction	C	Deemed compliant in previous IEA.	

Ref	Environmental management measures	Timing (Jacobs, 2021)	Status	Evidence	Recommendations
HR4	Storage and management of dangerous goods and hazardous materials (if required) will occur in a safe, secure location consistent with the requirements of applicable Australian Standards.	Construction / operation	C	<p>See Schedule 2, Conditions B4 and B27 above.</p> <p>Also viewed:</p> <ul style="list-style-type: none"> Fluence procedure for 'Cube Coolant 'First Fill' under Temporary Power Procedure' dated 14/01/25. The procedure provides a methodology for the initial fill of glycol coolant required for battery 'cubes' at the Stage 2 laydown area; and Examples of Enerven audits of ACG work areas on 15/05/25 and 25/05/25, which included reviews of hazardous materials storages. 	
HR5	Refuelling will take place in a designated area within the works area, away from ignition sources and trees or vegetation and with appropriate controls to prevent any spills coming into contact with the ground.	Construction / operation	C	See Schedule 2, Conditions B4 and B27 above. A designated refuelling	

Ref	Environmental management measures	Timing (Jacobs, 2021)	Status	Evidence	Recommendations
				area has been set up for Project equipment.	
HR6	Appropriately stocked emergency spill kits will be available at all work areas at all times. All staff will be made aware of the location of the spill kit and trained in its use.	Construction / operation	C	See Schedule 2, Conditions B4 and B27 above.	
HR7	Temporary construction compounds will be maintained in a tidy and orderly manner to minimise potential fuel loads in the event that any construction compounds are affected by fire.	Construction	C	See Schedule 2, Conditions B4 and B27 above.	
HR8	Construction activities involving flammable materials and ignition sources (for example, welding) will be proactively managed to ensure that the potential for fire is effectively minimised. High risk construction activities, such as welding and metal work, would be subject to a risk assessment on total fire ban days and restricted or ceased as appropriate. Construction personnel will be inducted into the requirement to safely dispose of cigarette butts.	Construction	C	Viewed ACG 'SWMS Welding, Cutting and Grinding' for the Liddell BESS Project dated 09/01/25 and prepared for Enerven. The SWMS provides requirements for construction hot work required for Stage 2. Viewed an example of a Fluence 'Hot Works Permit' for the Project on 03/07/25, completed for ACG. The permit was signed off and itemises control measures required.	
HR9	An emergency response plan for the Battery would be prepared for the Project and provided to the Local Emergency Management Committee.	Construction / operation	C	See Schedule 2, Condition B5 above.	
Air Quality					

Ref	Environmental management measures	Timing (Jacobs, 2021)	Status	Evidence	Recommendations
AQ1	<p>The following will be undertaken to manage fugitive emissions from stored chemicals:</p> <ul style="list-style-type: none"> Limiting the quantity of chemical products stored at the site to the extent practical Ensure that all storage tanks are fitted with the appropriate controls in-line with the Protection of the Environment Operations (Clean Air) Regulation 2010. 	Construction / operation	C	See Schedule 2, Condition B4 above.	
AQ2	<p>During loading and unloading of materials, the following will be undertaken:</p> <ul style="list-style-type: none"> Water sprays as applicable Minimising drop heights Reviewing and where necessary modifying or suspending activities during dry and windy weather and elevated background air quality conditions. 	Construction	C	<p>Excessive dust generation was not observed during the audit site inspection (see Plate 13 and Plate 14).</p> <p>The Project contractor has implemented a program of regular inspections, which include the review of dust controls (see Schedule 2, Condition B7).</p>	
AQ3	<p>While hauling materials in trucks, the following will be undertaken:</p> <ul style="list-style-type: none"> Regular watering of unsealed haulage routes Regular inspection and removal of debris from plant and equipment to avoid the tracking of materials on to the adjacent road network. 	Construction	C	<p>Unsealed haul roads within the Stage 2 work area were observed to be well maintained during the audit site inspection, with a watercart in operation (see Plate 15).</p> <p>No tracking of fines</p>	

Ref	Environmental management measures	Timing (Jacobs, 2021)	Status	Evidence	Recommendations
				onto the local road network was observed.	
AQ4	<p>The following will be undertaken to manage exhaust emissions from plant and equipment:</p> <ul style="list-style-type: none"> Inspecting all plant and equipment before it is used on-site Ensuring that all vehicles, plant, and equipment are operated in a proper and efficient manner Switching off all vehicles, plant and equipment when not in use for extended periods Avoiding the use of diesel or petrol-powered generators and use mains electricity or battery powered equipment where practicable. 	Construction	C	See Schedule 2, Condition A12 and B7 and above.	
AQ5	Activities will be coordinated between the Project and the WOAOW project to limit the potential for cumulative dust impacts where possible.	Construction	C	KS (pers comms) confirmed that the WOAOW project did not operate during the audit period.	
AQ6	<p>The following will be undertaken to manage wind erosion from stockpiles and exposed surfaces:</p> <ul style="list-style-type: none"> Watering stockpiles and exposed surfaces Progressive rehabilitation of exposed surfaces (as feasible) where no longer required for construction. 	Construction	C	Viewed the 'Liddell BESS' stockpile register for the Project maintained by Enerven. The plan identified topsoil locations and approximate volumes stored in each.	It is recommended that AGLM review opportunities to establish vegetation cover on Project stockpiles that will remain in place in the medium to long-term (see Plate 16 and Plate 17).
Greenhouse Gas					
GHG1	The CEMP will include requirements for identification and minimise	Construction	C	Section 6, Table 3 of	

Ref	Environmental management measures	Timing (Jacobs, 2021)	Status	Evidence	Recommendations
	greenhouse gases (GHG) during construction.			<p>the AQMP outlines controls to minimise emissions during construction.</p> <p>Evidence reviewed to verify that Project equipment is regularly maintained and operated appropriately is included under Schedule 2, Condition A12 above.</p> <p>No plant or equipment was observed to be left idling during the audit site inspection.</p>	
Noise and vibration					
NV1	<p>The CEMP would identify Project construction activities with the potential to have noise impacts and the controls required to avoid, minimise and mitigate these impacts.</p> <p>The standard techniques for controlling noise impacts during construction are presented in the Interim Construction Noise Guideline (ICNG). During construction relevant standard measures as outlined in Section 6 of the ICNG will be implemented.</p>	Construction	C	<p>Section 2 of the NMP refers to ICNG requirements and Section 7 outlines noise controls for the Project.</p> <p>Noise validation modelling and attended monitoring was also undertaken during the audit period (see Schedule 2, Condition B12).</p>	

Ref	Environmental management measures	Timing (Jacobs, 2021)	Status	Evidence	Recommendations
Traffic and transport					
TT1	<p>The haulage contractor will prepare and implement a Construction Traffic Management Plan (CTMP) for oversized overmass vehicle movements, which will include:</p> <ul style="list-style-type: none"> • Identification of the routes • Measures to provide an escort for the loads • Times of transporting to minimise impacts on the road network • Communication of strategy and liaising with emergency services and police. 	Pre-construction and construction	C	Viewed National Heavy Vehicle Register Oversize and/or Overmass (OSOM) Mass or Dimension Exemption Permit (ref: 1202370V3) dated 10/06/25 for the sole OSOM movement completed during the audit period. Also viewed associated permit approvals for this movement with asset owners Essential Energy, SA Power Networks, UGL Regional Linx and ARTC.	
TT2	An oversized vehicle permit will be sought for all oversized overmass (OSOM) movements where required. The OSOM movements would be in accordance with the permit requirements and be outside of peak traffic periods where possible.	Pre-construction and construction	NT	See Commitment TT1 above.	
TT3	The CEMP and general site induction will inform construction and operational personnel of the risk of collisions, particularly with animals during rain or periods of low light.	Pre-construction and construction	C	Deemed compliant in previous IEA.	
Biodiversity					
BIO	Future detailed design phase will increase retainment of native vegetation.	Pre-construction	C	Deemed compliant in previous IEA.	

Ref	Environmental management measures	Timing (Jacobs, 2021)	Status	Evidence	Recommendations
BIO1	Exclusion zones, or 'No-Go' zones, will be mapped in CEMP and mapping made available to all construction personnel.	Pre-construction	C	Stage 2 construction areas were found to be delineated in the field (see Plate 9 and Plate 10) and communicated to Project personnel.	
BIO2	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.	During construction	C	No vegetation stockpiles were observed during the audit site inspection. Mulch had been respread over disturbed areas (see Plate 25).	
BIO3	An inspection of native vegetation to be impacted (within the construction footprint) will be conducted by an ecologist immediately prior to vegetation clearing works (to confirm 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 construction 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.	Immediately prior to vegetation clearing / During construction	NT	JM and SM (pers comms) confirmed that additional vegetation disturbance or fauna relocations were not required during the audit period. Evidence of additional clearing was not observed during the site inspections.	
BIO4	Vehicle movements on newly formed access tracks or construction zones will be limited to 20km/h speed limit to reduce the risk of vehicle strike to fauna.	During construction	C	Speed limits were found to be implemented for Project work areas at the time of audit.	

Ref	Environmental management measures	Timing (Jacobs, 2021)	Status	Evidence	Recommendations
BIO5	Where native vegetation is removed topsoil is to be retained from excavation areas within construction footprint (where possible). Topsoil stockpiles will be delineated and protected from machinery compaction and contamination during construction. Following construction and infill, 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.	During construction	C	See Commitment AQ6 above.	It is recommended that the locations of stockpiles from Project Stage 1 are added to the 'Liddell BESS' stockpile register for the Project maintained by Enerven.
BIO6	Accurately and clearly mark out the limits of the construction footprint (only where native vegetation exists). No activities including parking and turning of vehicles and plant/ equipment will occur beyond the construction footprint. The Construction footprint will be demarcated prior to commencement of works in areas where native vegetation exists.	During construction	C	The disturbance limit was found to be delineated during the audit site inspection (see Plate 25 and Plate 26). The boundary of the Project footprint is regularly reviewed by the Project contractor (see Schedule 2, Condition B7 above).	
BIO7	Materials, plant, equipment, work vehicles and soil/rock stockpiles 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 construction footprints.	During construction	C	See Commitment BIO6 above.	
BIO8	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 (Figure 5-2).	During construction	C	See Schedule 2, Conditions A12 and B8 above.	
BIO9	If required, weed control will be undertaken by suitably qualified and/or experienced personnel. This may include:	Pre-construction or during	C	See Schedule 2, Conditions A12 and	

Ref	Environmental management measures	Timing (Jacobs, 2021)	Status	Evidence	Recommendations
	<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. The CEMP will detail the procedures for management of weeds on the development site (which will be in accordance with the requirements of the Biosecurity Act 2015). 	construction		B8 above.	
BIO10	During the clearing works, weeds will be disposed and managed appropriately to stop the spread of existing weed species.	During construction	C	See Schedule 2, Condition B8 above.	
BIO11	Ensure vehicle and machinery hygiene measures are applied during construction and operation. Vehicle washdowns may be required for removal of mud and plant materials.	During construction	C	See Schedule 2, Condition A12 above.	
BIO12	Pathogen management measures will be implemented to prevent introduction and spread of amphibian chytrid fungus, Phytophthora cinnamomi and Exotic Rust Fungi. The CEMP will provide a protocol for construction vehicles driving to and from site to prevent the spread or introduction diseases.	During construction	C	See Schedule 2, Condition A12 above.	
BIO13	Avoid excessive noise and vibration during construction activity. Construction activities to be carried out during diurnal hours.	During construction	C	See Schedule 2, Condition B13 above. No sources of excessive noise or vibration were identified during the audit site inspection.	
BIO14	Erosion and sediment controls will remain in place until all rehabilitation	During	C	See Schedule 2,	

Ref	Environmental management measures	Timing (Jacobs, 2021)	Status	Evidence	Recommendations
	has been completed. Drainage lines will be protected from runoff and stockpiling of spoil.	construction		Condition B25 and B26 above.	
BIO15	Revegetation of slopes or exposed soil areas will be undertaken as soon as possible, in accordance with the CEMP. 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).	During construction / post construction	C	See Commitment AQ6 above.	
BIO16	Future detailed design phase will enhance retainment of native vegetation. Patches of native vegetation which are located near larger patches of native vegetation will be prioritised for retainment.	Pre-construction	C	Deemed compliant in previous IEA.	
Land and Contamination					
L01	The internal bunding and environmental controls for hazardous substances management suitable for the Battery and transformers will be in accordance with applicable guidelines.	Detailed design	C	Chemical storages were found to be in place during the audit site inspection (see Plate 3 and Plate 4), with spill kits in place at key locations (see Plate 6 and Plate 7).	
L02	<p>Potential contamination-related impacts associated with the Project will be managed by the implementation of a CEMP that includes (but not limited to):</p> <ul style="list-style-type: none"> An unexpected finds protocol for the appropriate assessment and management of encountered contamination to mitigate impacts to the development Procedures to ensure that all material excavated during the construction of the development is appropriately assessed and classified before being disposed of in accordance with environmental laws 	Construction	C	<p>A CMP (version 6, dated 05/05/25) is appended to the Project EMS and was approved by DPHI on 06/06/25.</p> <p>Viewed email from Fluence to AGLM dated 28/01/25 noting that potential asbestos material has been identified in</p>	

Ref	Environmental management measures	Timing (Jacobs, 2021)	Status	Evidence	Recommendations
	<ul style="list-style-type: none"> Specific control measures to mitigate impacts to soil, water, air, noise, traffic, structures and clear protocols for measurement of affected media and validation of results during construction of the development. 			<p>Coal Bay 3 and that the CEMP Unexpected Protocol has been implemented. Enerven inspection 'Potential Contamination, Project: 699 Liddell BESS' dated 28/01/25 documents identification of potentially contaminated material and collection for analysis by the HTS – Asbestos Supervisor. Viewed ASET letter dated 30/01/25 that outlines results from the analysis of two samples forward from the AGLM coal bays being developed for Project Stage 2. JM (pers comms) noted that other potentially contaminated material was not identified during the audit period.</p>	
L03	The Asbestos Management Procedure would be updated as required to	Construction	C	See Commitment	

Ref	Environmental management measures	Timing (Jacobs, 2021)	Status	Evidence	Recommendations
	provide appropriate control measures during the construction phase (as well as the operational phase if maintenance activities are required) to mitigate any risks of worker exposure to airborne asbestos fibers during work activities.	/ operation		LO2 above.	
L04	Detailed design of each Project component would consider and address geotechnical stability risks in accordance with applicable design standards.	Detailed design	C	Deemed compliant in previous IEA.	
Aboriginal heritage					
AH1	A Cultural Heritage Management Plan (CHMP) will be developed. It will include the methodologies developed in the ACHAR (Section 11.1, 11.2 and 11.3 of the ACHAR). It will specify that Project works will be restricted to the disturbance site. It will include provisions to ensure workers are made aware of cultural heritage places and their value, for example through Project inductions. The CHMP will include provisions to guard against indirect impact to the Aboriginal sites near the development site. The CHMP will also include a detailed methodology for the salvage and long-term management of any Aboriginal objects that may be impacted by the proposed works.	Pre-construction	C	Deemed compliant in previous IEA. See Schedule 2, Condition B18 above. JM (pers comms) confirmed that no new heritage items were identified during the audit period and no known heritage sites were impacted.	
AH2	If repair or maintenance works on the Liddell to Jerrys Plains High Pressure Pipeline are required, the area of works will be subject to surface collection in accordance with Section 11 of the ACHAR (Appendix F) of impacted sites. The sites that maybe impacted include: <ul style="list-style-type: none"> Liddell Jerrys Plains Pipeline AS1 (37-2-6280) Liddell Jerrys Plains Pipeline IF2 (37-2-6281) Liddell Jerrys Plains Pipeline AS3 (37-2-6279) Liddell Jerrys Plains Pipeline IF4 (37-2-6291) Liddell Jerrys Plains Pipeline AS5 (37-2-6290) Liddell Jerrys Plains Pipeline AS6 (37-2-6289) Liddell Jerrys Plains Pipeline IF7 (37-2-6287) 	Pre-construction	NT	KS (pers comms) confirmed that work on the Liddell to Jerrys Plains High Pressure Pipeline had not occurred during the audit period.	

Ref	Environmental management measures	Timing (Jacobs, 2021)	Status	Evidence	Recommendations
	<ul style="list-style-type: none"> Liddell Jerrys Plains Pipeline IF8 (37-2-6288) Liddell Jerrys Plains Pipeline AS9 (37-2-6286) Liddell Jerrys Plains Pipeline AS10 BAYS AS06 (37-2-6145). <p>If no works are required in the vicinity of a site, the site will be conserved.</p>				
AH3	<p>If practicable, the design and construction of the Brine Pipeline will avoid the two recorded site areas (Liddell Pipeline AS1 (37-2-6285) and Liddell Pipeline AS2 (37-2-6282)).</p> <p>The sites will be protected with high visibility fencing. If impact cannot be avoided, the sites will be salvaged through surface collection.</p>	Design, pre-construction, construction	NT	KS (pers comms) confirmed that the design and construction of the Brine Pipeline is not relevant to the current stages of the Project.	
AH4	During any works on the Liddell M1 Conveyor the site (Liddell M1 Conveyor AS1 (37-2-6284)) will be conserved and protected by high visibility exclusion fencing to prevent impact.	Construction	NT	KS (pers comms) confirmed that Liddell M1 Conveyor works were not required during the audit period.	
AH5	The Unanticipated Finds Protocol in the ACHAR will be followed for any previously unidentified Aboriginal heritage objects found during the works.	Construction and operation	NT	JM (pers comms) confirmed that previously unidentified Aboriginal heritage items were not encountered during the audit period.	
Non-Aboriginal heritage					
NAH1	Should any historical archaeological remains be discovered during construction, all works will stop, the area cordoned off and a heritage professional engaged to examine and advise on the significance of the	Construction	NT	JM (pers comms) confirmed that no historic	

Ref	Environmental management measures	Timing (Jacobs, 2021)	Status	Evidence	Recommendations
	archaeological finds. If deemed to be of significance, under section 146 (s146) of the Heritage Act, a s146 form would be submitted to notify the Heritage Council of the discovery of relics. Further investigation may be required, and appropriate management will be agreed through consultation with Heritage NSW.			archaeological items were discovered during the audit period.	
NAH2	In the unlikely event that human remains are uncovered, all work must cease immediately in the vicinity of the remains and the area cordoned off. The local NSW Police must be notified, who would make an initial assessment as to whether the remains are part of a crime scene, or Aboriginal remains. If the remains are thought to be Aboriginal, Heritage NSW must be contacted as per AH4.	Construction	NT	JM (pers comms) confirmed that no remains were uncovered during the audit period.	
Landscape character and visual					
V1	Retention and enhancement of existing landscape features (areas of scrub, individual trees) will be considered where feasible.	Design	C	Deemed compliant in previous IEA.	
V2	Colour of proposed structures and built form will be considered in a suitable muted palette to visually integrate the Project within the landscape where possible. Where a muted palette is not possible, such as for the battery enclosures, AGLM will consider the use of vegetation screen instead.	Design	C	Deemed compliant in previous IEA.	
V3	Where possible, consider minimal use of reflective surfaces to avoid drawing attention to the site within views due to reflective glare.	Design	C	No exposed reflective surfaces were identified during the audit site inspection. No visual complaints were received during the audit period.	
V4	Limit the area of disturbance during construction where possible.	Construction	C	See Schedule 2, Condition B7 above. The Project contractor completed	

Ref	Environmental management measures	Timing (Jacobs, 2021)	Status	Evidence	Recommendations
				regular inspections of the Stage 2 disturbance footprint during the audit period.	
V5	Mitigation tree and shrub planting will be considered to visually integrate the Project within the surrounding landscape.	Construction	NT	JM (pers comms) confirmed that additional plantings were not required during the audit period.	
V6	<ul style="list-style-type: none"> All construction plant, equipment, waste and excess materials will be contained within the designated boundaries of the work site and will be removed from the site following the completion of construction Stockpiles will be stabilised to prevent erosion by wind and water and avoid the development of dust plumes adversely impacting air and visual quality On completion of the work disturbed areas will be stabilised and rehabilitated. 	Construction	C	<p>No elevated dust emissions were observed during the audit site inspection (see Plate 13 and Plate 14).</p> <p>Temporary stockpiles at the time of audit were generally shaped to prevent erosion.</p>	It is recommended that AGLM review opportunities to establish vegetation cover on Project stockpiles that will remain in place in the medium to long-term (see Plate 16 and Plate 17).
Waste					
WR01	<p>A Waste Management Plan will be developed for the Project with the following criteria:</p> <ul style="list-style-type: none"> A hierarchical waste management approach will be used, from the most preferable (reduce, reuse or recycle wastes) to the least preferable (disposal) to prioritise waste management strategies to avoid waste generation 	Detailed design	C	See Schedule 2, Condition 27 above. The AGLM WMP for the Project has been approved by DPHI and waste management measures are being implemented	

Ref	Environmental management measures	Timing (Jacobs, 2021)	Status	Evidence	Recommendations
	<ul style="list-style-type: none"> The plans will promote the use of materials with minimal packaging requirements, removal of packaging offsite by suppliers and fabrication of parts offsite Where waste cannot be avoided, waste materials will be segregated by type for collection and removal (for processing or disposal) by licensed contractors All waste types will be separated at source for recycling A licensed service provider will be appointed to collect waste during construction and operation Each waste type will be classified for transport to ensure correct handling. Any waste that cannot be recovered or recycled will be disposed of at a suitably authorised or licensed treatment or disposal facility where it will be treated and disposed of according to its classification. 			generally in accordance with SSD 8889679 requirements.	
WR02	Cleared vegetation will be either mulched for onsite reuse or used to create habitat piles, noting that any weeds and pathogens will be managed according to requirements under the NSW <i>Biosecurity Act 2015</i> .	Construction	C	Vegetation material from the Stage 2 disturbance area has been mulched and respread (see Plate 25).	
Water (surface and groundwater)					
W1	The specific requirements for water quality controls will be confirmed as the detailed design develops and prior to commencement of construction of each Project component, to ensure the objectives of the Project are achieved.	Pre-construction	C	Deemed compliant in previous IEA.	
W2	<p>The following measures will be undertaken to manage activities in proximity to waterways:</p> <ul style="list-style-type: none"> The design and implementation of works within waterfront land would be undertaken in accordance with Guidelines for Controlled Activities on Waterfront Land (NRAR, 2018) 	Pre-construction and construction	C	Viewed Enerven 'Liddell Battery Energy Storage System Progressive ESCP No. 6 – Stage 2' (Progressive ESCP)	

Ref	Environmental management measures	Timing (Jacobs, 2021)	Status	Evidence	Recommendations
	<ul style="list-style-type: none"> Implementing practices to minimise disturbance of banks and undertake bank stabilization Appropriate drainage features will be incorporated into the design of the Project components by a suitably qualified and experienced professional. All Project components will be designed and constructed in accordance with relevant guidelines. 			<p>dated 08/07/25. The Progressive ESCP outlines design, management and monitoring principles for Liddell BESS erosion and water management controls and notes that all are to be constructed generally in accordance with Landcom (2004). Erosion and sediment attenuation basins, sumps and drains were observed to be well maintained at the time of audit, with pumps in place to managed stored water levels as required (see Plate 19 and Plate 20).</p>	
W3	<p>Stockpiles would be managed to minimise the potential for mobilisation and transport of dust, sediment and leachate in runoff. This would include:</p> <ul style="list-style-type: none"> Minimising the number of stockpiles, area used for stockpiles, and time that they are left exposed Locating stockpiles away from drainage lines, waterways and areas where they may be susceptible to wind erosion Stabilising stockpiles, establishing appropriate sediment controls and suppressing dust as required. 	Construction	C	<p>Viewed the 'Liddell BESS' stockpile register for the Project maintained by Enerven. The plan identified topsoil locations and approximate volumes stored in each. Temporary stockpiles</p>	<p>It is recommended that AGLM review opportunities to establish vegetation cover on Project stockpiles that will remain in place in the medium to long-term (see</p>

Ref	Environmental management measures	Timing (Jacobs, 2021)	Status	Evidence	Recommendations
				at the time of audit were generally shaped to prevent erosion.	Plate 16 and Plate 17).
W4	Erosion and sediment control measures will be implemented and maintained at all work sites in accordance with the principles and requirements in Managing Urban Stormwater – Soils and Construction, Volume 1 (Landcom, 2004) and Volume 2D commonly referred to as the “Blue Book” where appropriate. Additionally, any water collected from worksites will be treated and discharged (where able) to avoid any potential contamination or local storm water impacts. Measures will be designed in accordance with the relevant guideline where appropriate.	Construction	C	Viewed Ennervan ‘Liddell Battery Energy Storage System Progressive ESCP No. 6 – Stage 2’ (Progressive ESCP) dated 08/07/25. The Progressive ESCP outlines design, management and monitoring principles for Liddell BESS erosion and water management controls and notes that all are to be constructed generally in accordance with Landcom (2004). Erosion and sediment attenuation basins, sumps and drains were observed to be well maintained at the time of audit, with pumps in place to managed stored water levels as required (see Plate 19 and Plate 20).	

Ref	Environmental management measures	Timing (Jacobs, 2021)	Status	Evidence	Recommendations
W5	Water use during construction will be minimised where possible and measures to reduce water use will be applied.	Construction	C	Viewed the 'Liddell Water Tracking Register – Liddell BESS' that records water use for Stage 2 works during the audit period. Examples of Robson Civil reporting of monthly water use (including watercart) to Enervan were viewed for April, May and June 20205.	
W6	The Bayswater site operational water quality monitoring program will be updated and implemented as required.	Pre-operation and operation	C	The Stage 2 EMS notes that surface discharges must comply with volume and quality limits set in the site Environment Protection Licences (EPL) 2122 and 779. KS (pers comms) confirmed that water quality monitoring for the EPLs is representative of the Project (including the transfer of water from construction sediment basins to the Liddell Power Station site water	

Ref	Environmental management measures	Timing (Jacobs, 2021)	Status	Evidence	Recommendations
				management system) and is available on the AGLM website.	
Social and economic					
SE1	AGLM will keep the community and stakeholders updated on the Project via the existing community engagement forum and AGL website	Pre-construction	C	The AGLM website provides a Project overview and copies of environmental approvals and management documents. The Project is also discussed at AGLM Hunter CCC meetings.	
SE2	Identify opportunities to maximise the use of local suppliers, labour and businesses in the provision of goods and services for construction.	Construction	C	KS (pers comms) confirmed that local suppliers are used where possible for the Project. Fluence response to MSC enquiries on Project construction workforce accommodation noted that non-local staff generally use long-term rental housing in Muswellbrook and Singleton. Fluence have not experienced any issues in	

Ref	Environmental management measures	Timing (Jacobs, 2021)	Status	Evidence	Recommendations
				sourcing suitable accommodation for non-local Project staff who are not able to commute to the Project.	
SE3	Consultation with local tourist accommodation providers to identify peak tourist periods and consider timing of these periods in the planning of non-time-critical construction activities.	Construction	C	Deemed compliant in previous IEA.	
Infrastructure					
I1	AGLM will continue to consult with TransGrid and ETMC regarding any perceived impacts on the Liddell switchyard.	Pre-construction	NT	JM (pers comms) confirmed not construction works with the potential to impact on the Liddell switchyard were undertaken during the audit period.	
I2	AGLM will consult with Ausgrid as the network provider responsible for other onsite supply regarding continued supply.	Pre-construction / construction	NT	See Commitment I1 above.	
Cumulative					
CL1	The CEMP will include a process to review and update management measures if any other development commences in proximity to the Project.	Pre-construction	C	The CEMP and most recent EMS approved by DPHI on 06/06/25 includes a process for regular review of Project documents.	

Table C3 MOD2 Modification Report (AECOM, 2025)

Ref	Environmental management measures	Timing (AECOM, 2025)	Status	Evidence	Recommendations
Summary of Management Measures					
N/A	No additional management or mitigation measures have been recommended throughout this Modification Report. The proposed modification does not introduce any new impacts that cannot be managed by the environmental management measures identified in the EIS for SSD-8889679 or existing operation and maintenance procedures.	N/A			

Table C4 MOD3 Modification Report (AGLM, 2025)*

Ref	Environmental management measures	Timing (AGLM, 2025)	Status	Evidence	Recommendations
Assessment of Impacts					
Traffic and Transport	The proposed diesel generators will need to be transported to the site and craned into position. The previously approved 415V generators were also required to be transported and craned into position. The alteration to the configuration is not anticipated to cause additional traffic impacts beyond that considered and assessed in the EIS... The associated traffic movements are considered to be within the movements generally assessed as part of the Bayswater Ancillary Works, which assessed up to 50 two-way heavy vehicle movements a day (Jacobs 2021)).	N/A			
Biodiversity	No additional vegetation clearing is required for the installation of emergency diesel generator power system or the blast walls. Both of the sites are located within existing sealed and/or disturbed operational areas with no identified native vegetation.	N/A			
Water	The proposed reconfiguration is located in a sealed area with no stormwater drains. The generator is self-bunded and has a double-	N/A			

Ref	Environmental management measures	Timing (AGLM, 2025)	Status	Evidence	Recommendations
	<p>skinned fuel tank to reduce the risk of any spills or leaks. The proposed refueling method will be via the nearby diesel pipeline with a suitable manifold and controlled refueling system. The reconfiguration is not anticipated to introduce substantive increases in the risk of pollution of water as compared to the emergency power system as considered and assessed in the EIS.</p> <p>Any potential construction-related risks to water will be managed with standard environmental management measures.</p>				

* Note Table C4 includes an extract of commitments from Section 6 of AGLM (2025)



Appendix D Stakeholder Engagement

From: [Heidi Watters](#)
To: [Dorian Walsh](#)
Cc: [Sarah Moore](#)
Subject: Re: Independent Environmental Audit Scoping Request - Liddell Battery and Bayswater Ancillary Works Project SSD-8889679
Date: Tuesday, 8 July 2025 5:58:09 PM
Attachments: [image586201.png](#)
[Outlook-eb4n5i3a.png](#)

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[EXTERNAL]

Hi Dorian

Thanks for your email regarding the scope of for the upcoming Independent Environmental Audit (IEA) for the Liddell Battery and Bayswater Ancillary Works Project (the development).

Following the submission of the last IEA report (IEA No. 5), NSW Planning requested the auditor seek clarification on the scope of the next audit, in particular whether the conditions from Part D of development consent SSD-8889679, as modified (the development consent) for the development should be audited.

Part D of the consent contains the following note (emphasis added):

*Note: For the avoidance of doubt, a consent listed in condition A5 will be surrendered and cease to operate from the date on which a valid notice is served on the consent authority pursuant to cl 97 of the EP&A Regulation. **The conditions listed in this Part D are drawn from the consents listed in condition A5 but form part of this consent from the date of this consent.***

In previous IEAs, AGL have been found non-compliant with conditions D1, D3, D4 and D6 due to lack of evidence to demonstrate compliance.

Due to the successive non-compliance findings for these conditions, Part D of the consent is to be included in this upcoming IEA scope.

The audit report must ascertain the operational status of each of the following projects that were consolidated into the consent:

- Low Pressure Pump Station Stabilisation
- Ravensworth Coal Unloader Facility
- Coal/Rail Unloader Augmentation

In summary, the upcoming IEA must audit all conditions of the consent, including Part D.

Regards

Heidi Watters

Team Leader - North

Compliance - Development Assessment & Sustainability

Department of Planning, Housing and Infrastructure

From: [Singleton, Council](#)
To: [Dorian Walsh](#)
Subject: RE: Liddell Battery and Bayswater Ancillary Works Project SSD-8889679 Independent Audit Consultation
Date: Thursday, 10 July 2025 1:05:09 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)
[image007.png](#)

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[EXTERNAL]

Hi Dorian,

Thank you for your email.

Council has no additional requirements regarding the scope of the EIA.

Regards,
Kirra



SINGLETON COUNCIL

T 02 6578 7290
E council@singleton.nsw.gov.au
W singleton.nsw.gov.au



Singleton Council acknowledges the Wanaruah, Wonnarua people and their custodianship of the land in the Singleton Local Government Area. We also acknowledge all other Aboriginal and Torres Strait Islanders who live within the Singleton Local Government Area and pay our respect to Elders past, present and future.

From: [Theresa Folpp](#)
To: [Dorian Walsh](#)
Cc: [Sarah Moore](#); [Sharon Pope](#)
Subject: RE: Liddell Battery and Bayswater Ancillary Works Project SSD-8889679 Independent Audit Consultation
Date: Friday, 18 July 2025 4:25:14 PM
Attachments: [image002.png](#)

Some people who received this message don't often get email from theresa.folpp@muswellbrook.nsw.gov.au. [Learn why this is important](#)

[EXTERNAL]

Hi Dorian,

Hope you are well

I think our concerns for the fifth construction phase would still be relevant i.e

That adequate erosion and sediment controls have been established on site for the construction phase (these were probably tested in the recent rainfall), and that measures have been put in place to control stormwater/pollution runoff from locations where the batteries are stored to be able to manage firefighting materials and chemicals from the batteries in case of a runaway battery fire. Also that there are hazard management plans in place for the possibility of battery fires, with plans located on site for reference by workers/employees and fire fighters.

Could we also include the following please:

Staff are aware of cumulative accommodation pressures in the Muswellbrook LGA. Could the project team please provide a brief summary of how the workforce is currently being accommodated? Additionally, has the team observed any impacts—direct or indirect—relating to local housing or accommodation availability during construction or commissioning? If so, please outline any challenges, observed effects, or management responses.

Regards,

Theresa



Muswellbrook Shire Council | Theresa Folpp | Environmental Planning Officer | Available Tue – Fri

I respectfully acknowledge the local Aboriginal people who are the Traditional Owners and Custodians of the land on which I work

Please consider the environment before printing this email

Xenith Consulting Pty Ltd

By email: dorian.walsh@xenith.com.au

Attention: Mr Dorian Walsh

10 July 2025

Dear Mr Walsh

**Liddell Battery and Bayswater Ancillary Works
Independent Environmental Audit**

I refer to your email dated 7 July 2025, to the Environment Protection Authority (EPA) requesting consultation as part of an Independent Environmental Audit for Liddell Battery and Bayswater Ancillary Works in accordance with the Condition of the Development Consent for SSD - 8889679.

The EPA regulates the Liddell Battery and Bayswater Ancillary Works under Environment Protection Licence No. 779 (Bayswater Power Station) and Environment Protection Licence No. 2122 (Liddell Power Station), both issued to AGL Macquarie Pty Ltd.

The EPA encourages the preparation of audits as useful tools for industry to determine how to meet statutory obligations and identify potential or actual risks towards achieving these obligations.

As a regulatory authority, the EPA administers and regulates statutes for environmental management and protection. As such, the EPA is not directly involved in the carrying out of audits to achieve those objectives and does not review or comment on such documents.

As a result, the EPA has no comment to provide for this request, but directs you to the EPA's public register at <https://apps.epa.nsw.gov.au/prpoeoapp/> to view the licence's associated notices.

If you have any further questions about this issue, please contact Nirmala Dharmarathne on 02 6229 7029 or info@epa.nsw.gov.au.

Yours sincerely

Adam Plant
A/Unit Head - Operations
Environment Protection Authority



Appendix E

IEA Site Visit

Agenda

AGL Macquarie Pty Limited Independent Environmental Audit

Liddell Battery and Bayswater Ancillary Works Project

Agenda for SSD 8889679 Site Inspection 9 July 2025

Table 1 Meeting Invitees

Name	Initials	Title	Company
James McNamara	JM	Manager Environment Construction	AGLM
Keith Simkin	KS	Advisor Environment (Contractor)	AGLM
Dorian Walsh	DW	Auditor	Xenith
Sarah Moore	SM	Auditor	Xenith

Table 2 Audit Agenda Items

Time	Description	Location	Invitees
9:00am - 10:00am	Opening Meeting <ul style="list-style-type: none"> › Introductions / Housekeeping (JM) › IEA scope and purpose (DW) › Confidentiality arrangements (DW) › IEA process and timing (DW) › Overview of site during the audit period (JM) › Discussion on SSD 8889679 Stage 3 requirements 	Meeting Room	JM, KS, DW, SM
10:00am - 12:00pm	Compliance Review <ul style="list-style-type: none"> › SSD 8889679 conditions and environmental commitments › EA and Management Plan commitments › Site procedures › AGLM response to previous IEA report 	Meeting Room	JM, KS, DW, SM
12:00- 12:30pm	Lunch		
12:30- 2:30pm	Site Inspection <ul style="list-style-type: none"> › Review of environmental controls for Stage 1, Stage 2 and Stage 3: <ul style="list-style-type: none"> ▪ Amenity management ▪ Active construction areas ▪ Water management, erosion and sediment controls ▪ Biodiversity controls ▪ Laydown areas and storages ▪ Waste and materials management 	Field	KS, DW, SM

Time	Description	Location	Invitees
2:30- 3:00pm	Compliance Review (continued) <ul style="list-style-type: none"> › Licencing review › Review of any remaining compliance documents › Xenith prepare preliminary findings 	Meeting Room	JM, KS, DW, SM
3:00 - 3:30pm (TBC)	Close Out Meeting <ul style="list-style-type: none"> › Overview of preliminary findings › Confirmation of outstanding information requirements › Confirmation of process for audit completion and reporting 	Meeting Room	JM, KS, DW, SM



Appendix F

Site Inspection Plates

Plate 1 - Plant and equipment observed operating in Stage 2 area



Plate 2 - Plant and equipment observed operating in Stage 2 coal bay areas



Plate 3 - Bunded storage for small volumes of hazardous chemicals at Stage 2



Plate 4 – Bunded container used for chemical storage at Stage 2



Plate 5 – Signage on hazardous chemical containers at Stage 2



Plate 6 – Designated refuelling area with spill kit used for the Project



Plate 7 – Spill kit and Emergence Response bins at Stage 2 area



Plate 8 – Spill kit and Emergency Response bins at temporary offices of Stage 2



Plate 9 – Boundary delineating 'No-Go' zone at Stage 2 works area



Plate 10 – Delineation flagging to prevent equipment from entering 'No-Go' zone



Plate 11 – Installation of permanent fence within perimeter of Stage 2 disturbance boundary



Plate 12 – Installation of permanent fence within perimeter of Stage 2 disturbance boundary



Plate 13 – Lighting plant used for site offices' carpark



Plate 14 – Stage 2 work area with low dust emissions and watered roads



Plate 15 – Water cart operating in the Project area



Plate 16 – Topsoil stockpiles in the Stage 2 area #1



Plate 17 – Topsoil stockpiles in the Stage 2 area #2



Plate 19 – Pump on sediment dam for Stage 2 work area



Plate 20 – Pump on drain for Stage 2 work area



Plate 21 – Sediment controls in place



Plate 22 – Segregated waste bins in Stage 2 area



Plate 23 – Segregated waste bins for storage area in Stage 2



Plate 24 – Notice Board at the temporary Site Project Offices



Plate 25 – Mulch spread over delineated disturbance areas in Stage 2



Plate 26 – Disturbance limit delineated

