




Uranquinty Compliance Audit

18 February 2022

Origin Energy Resources Limited

180 Ann Street, BRISBANE, QLD, 4000

Document Management

Rev.	Issue Date	Description	Audit Team	Lead Auditor	Signature
A	20/12/2021	Draft for Review	E. Drummond	H. Rowan	
0	18/02/2022	Final for Use	H. Rowan	H. Rowan	

Document Reference: [QEJ21056_Uranquinty Power Station Environmental Compliance Audit_Rev0.docx](#)



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Contents

Executive Summary	v
1 Introduction	1
1.1 Background	1
1.2 Objectives and Scope	2
2 Audit Method	3
2.1 Audit Criteria	3
2.2 Audit Scoring	3
2.3 Audit Team	4
2.4 Limitations	4
3 Audit Findings	5
3.1 Not Applicable Results	5
3.2 Compliant Results and Positive Observations	6
3.3 Opportunities for Improvement	6
3.4 Non-compliant Results	7
3.5 Conditions Recommended for Closure	7
4 Recommendations and Conclusion	8

List of Tables

Table 1	UPS Environmental Approvals	1
Table 2	Audit Scoring	4

List of Figures

Figure 1	Audit Results Summary	5
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Appendices

- Appendix A Auditor Approval
- Appendix B Audit Plan
- Appendix C Audit Results



Executive Summary

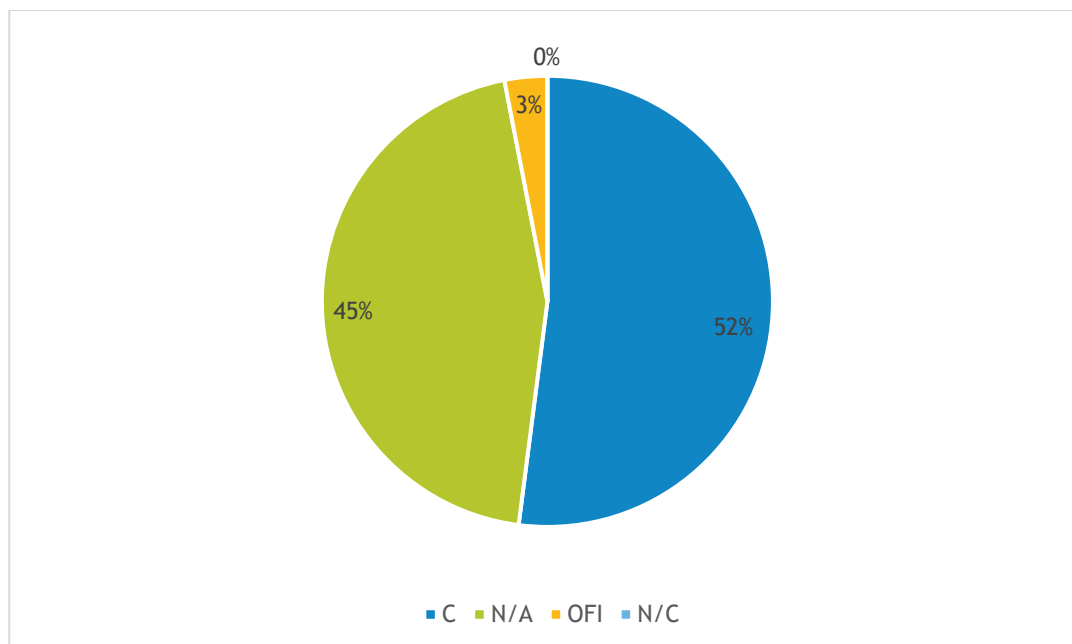
E2M Pty Ltd was commissioned to conduct a third party environmental audit for the Uranquinty Power Station (UPS). The audit was required to determine compliance against the conditions of the Development Approval (DA-31-2-204-I MOD10) and the Environmental Protection Licence (EPL 12490). The audit was prepared for the January 2019 - December 2021 audit period. This audit was prepared by a suitably qualified auditor, approved by the New South Wales Department of Planning and Energy.

The Audit was conducted in accordance with the general requirements of *AS/NZS ISO 19011:2019 Guidelines for auditing management systems*. It was conducted over two stages, namely:

- a desktop review and assessment of documents, registers and records provided by Origin, along with interviews with an office-based Environment and Community Business Partner and a Community Relations Business Partner from Origin; and
- a virtual site audit, conducted on the 13 December 2021. During the virtual site audit E2M observed the facility, reviewed site-based records and conducted interviews with the site-based Plant Manager and a Senior Plant Technician.

A total of 73 DA conditions and 25 EPL conditions were assessed for compliance. Of the 98 conditions assessed:

- 44 conditions were identified as not applicable (45 %). It is recommended that 27 of these conditions are closed and excluded from future annual reports of three yearly audits
- 51 conditions were compliant (52 %), as discussed in Section 3.2
- 3 conditions (3 %) were assessed as compliant but providing OFI; and
- No non-compliances were identified.



The audit results are reflective of the sound environmental management procedures being implemented at the UPS. Positive observations made during the audit included:

- The UPS staff noted that a recent transition to a different enterprise management system (eAMS to SAP) provided an opportunity to review all process and maintenance strategies associated with environmental compliance
- Proactive solutions to identified issues are implemented, such as changing waste transport providers for faster service times
- Waste is segregated and appropriately stored prior to removal. Broken down cardboard boxes were observed being stored under cover and on pallets to ensure they remain dry prior to recycling
- Environmental hazards are identified and managed for major outage works. For example, where high pressure cleaning was required, it was conducted in a self-contained tent
- Chemicals and hazardous goods are limited to minimal quantities; and
- Drainage systems throughout the site are clearly marked (i.e. - stormwater, collection sump, etc.).



1 Introduction

1.1 Background

The Uranquinty Power Station (UPS) is a natural gas fired power station located at Uranquinty Cross Road, Uranquinty, New South Wales. The plant output is generated by four open cycle gas turbines. Natural gas enters the facility through a metering skid and gas receiving station, while exhaust gases are dispersed via 35 m high stacks. The UPS commenced operations in January 2009.

The UPS has two environmental approvals, namely a Development Approval (DA) and an Environmental Protection Licence (EPL), detailed in Table 1.

Table 1 UPS Environmental Approvals

Approval	Approval Reference
Development Approval	DA-31-2-204-I MOD10 Approval date: 10 June 2015
Environmental Protection Licence	EPL 12490 Licence Version Date: 13 September 2021

The DA (Condition 4.9) states that:

“Twelve months after the commencement of operation of Stage 1 of the development, and every three years thereafter, or as otherwise agreed or required by the Director-General, the Applicant (Origin) shall commission an independent, qualified person or team to undertake an Environmental Audit of the development. The independent person or team shall be approved by the Director-General prior to the commencement of the audit. An Environmental Audit Report shall be submitted for the approval of the Director-General within one month of the completion of the Audit. The Audit shall:

- be carried out in accordance with ISO19011:2002 - Guidelines for Quality and/or Environmental Management Systems Auditing (note - this guideline has been superseded by ISO19011:2019). The most current guidelines will be utilised);*
- assess compliance with the requirements of this consent, and other licences and approvals that apply to the development;*
- assess the environmental performance of the development against the predictions made and conclusions drawn in the documents referred to under Condition 1.1 of this consent; and*
- review the effectiveness of the environmental management of the development, including any environmental impact mitigation works.*

The Director-General may require the Applicant to undertake works to address the findings or recommendations presented in the Report.”

E2M Pty Ltd (E2M) was commissioned to conduct a third party Environmental Audit to fulfil Condition 4.9 of the DA, for the period of 1 January 2019 to December 2021. E2M was approved to conduct the audit by the NSW Department of Planning and Environment (DPE) on the 19 October 2021, as outlined in Appendix A.



1.2 Objectives and Scope

The purpose and objective of the third party environmental audit was to determine compliance with the applicable DA Approval Conditions for the UPS, along with the Conditions included in the EPL. The audit determined compliance with the applicable conditions by collecting and collating evidence of compliance (or otherwise). Where opportunities for improved environmental performance were observed, they were noted.

The scope of the audit was to assess compliance with the applicable DA Approval Conditions and EPL conditions by conducting a:

- Desktop review of relevant documents, systems, registers and records, as well as interviews with applicable office-based stakeholders; and
- Virtual site assessment of UPS, along with interviews with key site-based stakeholders.



2 Audit Method

The Audit was conducted in accordance with the general requirements of *AS/NZS ISO 19011:2019 Guidelines for auditing management systems*.

The audit was conducted over two stages:

1. The first stage comprised a desktop review and assessment of documents, registers and records provided by Origin. The desktop assessment was conducted remotely with information provided by Origin as requested by E2M. The first stage also included interviews with an office-based Senior Environment and Community Business Partners and a Senior Community Relations Business Partner from Origin.
2. The second stage of the audit comprised a virtual site audit, conducted on the 13 December 2021. During the virtual site audit E2M observed the facility, reviewed site-based records and conducted face to face interviews with the site-based Plant Manager and a Senior Plant Technician.

The audit findings were based on:

- information provided by Origin Energy as part of the desktop review
- verbal information provided by key personnel; and
- observations made throughout the virtual site audit and provision of follow-up documentation.

Prior to commencing the audit, an Audit Plan was prepared (Appendix B) that outlined the objectives and scope of the audit, the method proposed, and the communication protocol to be implemented. As outlined in the Audit Plan, an Opening Meeting was conducted to verify the audit criteria, scoring method, audit protocol and audit team.

The following sections provide an overview of the audit criteria, scoring method and audit team used for this audit.

2.1 Audit Criteria

The audit criteria are the conditions, standards or requirements that the activities were audited against. The audit criteria for this audit were DA conditions and EPL conditions (referenced in Table 1).

2.2 Audit Scoring

The compliance assessment ratings used for this audit are provided in Table 2. Where non-compliances were identified, an impact rating was assigned to prioritise the non-compliances based on potential consequences, ranging from 1 (negligible) to 5 (very significant).



Table 2 **Audit Scoring**

Rating	Abbreviation	Rationale
Compliant	C	Demonstrated compliance with Condition Note: as per correspondence provided by DPE, the term ‘partial compliance’ is not used in this audit.
Non-compliant	NC	Not compliant with Condition
Opportunity for Improvement	OFI	Compliant with Condition, however performance can be improved to ensure future compliance.
Not Applicable	NA	Condition not activated at the time of the audit or Condition not applicable.

2.3 Audit Team

The audit was led by Hannah Rowan, a qualified lead auditor (Exemplar Global AU, TL, QM; EM; OH). Hannah is an environmental consultant with over 10 years’ experience providing environmental compliance and management support across a range of industry sectors, including the provision of environmental compliance audits for a range of infrastructure projects. Hannah Rowan was approved by the NSW Department of Planning and Environment to conduct the audit, as outlined in Appendix A.

2.4 Limitations

The audit was subject to several limitations, including:

- The audit criteria were limited to the DA and EPL conditions
- The audit represents a snapshot based on conditions observed at the time of the audit
- The findings of this audit represent E2M’s opinion based on the information made available during the audit, which was assumed to be true and correct. Information provided was not independently verified;
- The site visit was conducted virtually due to COVID-19 restrictions; and
- Sampling or laboratory analysis were not conducted as part of this audit.



3 Audit Findings

The audit results for compliance against the DA and EPL are provided in Appendix C. A total of 73 DA conditions and 25 EPL conditions were assessed for compliance. Of the 98 conditions assessed:

- 44 conditions were identified as not applicable (45 %), as discussed in Section 3.1
- 51 conditions were compliant (52 %), as discussed in Section 3.2
- 3 conditions (3 %) were assessed as compliant but providing OFI, as discussed in Section 3.3; and
- No non-compliances were identified, as discussed in Section 3.4.

A summary of the audit results is provided in Figure 1.

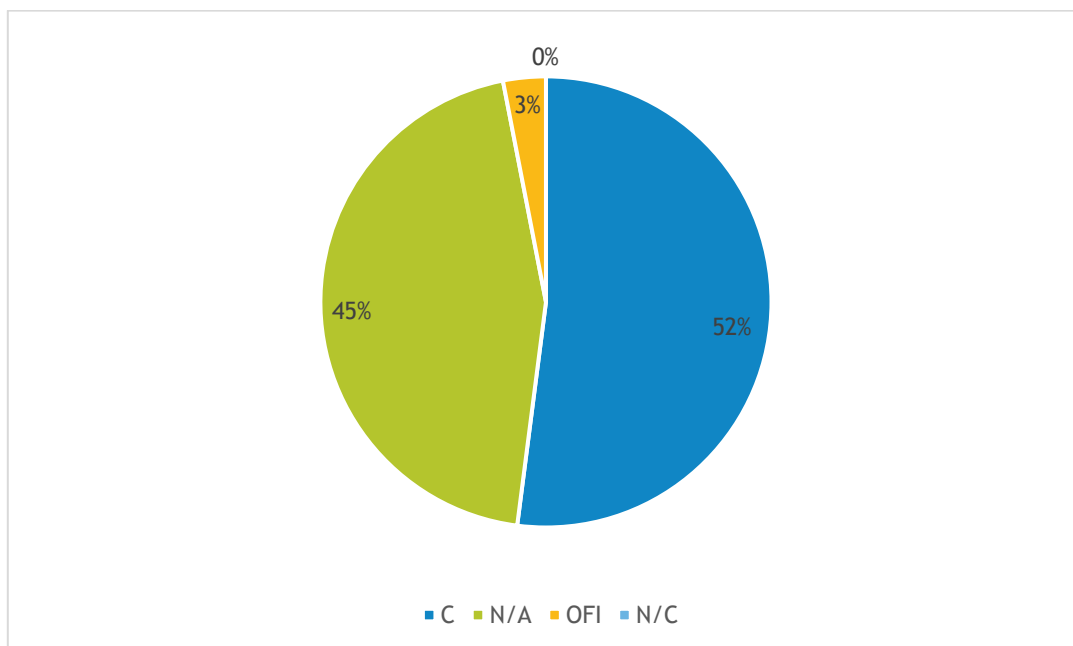


Figure 1 Audit Results Summary

3.1 Not Applicable Results

As outlined in Appendix C, 44 conditions were assessed as being not applicable. Of these, 39 were DA conditions. The majority of these conditions related to the construction phase of the project, which was completed in December 2008. Other conditions assessed as not being applicable related to:

- Responses to environmental incidents or complaints which were not triggered
- Prevision of information to DPE if requested
- Visual amenity conditions where requirements have been met
- Administrative conditions which are not able to be audited against; and
- The use of diesel in turbines.



3.2 Compliant Results and Positive Observations

The audit determined compliance with 51 conditions, along with an additional 3 conditions that also presented OFI's (discussed in Section 3.3). All compliant conditions and associated evidence reviewed are included in Appendix C.

Excluding all conditions that were determined to be not applicable, the audit identified a compliance rate of 94 %. This is reflective of the sound environmental management procedures that are being implemented at the UPS. Several positive observations were made throughout the audit: These included:

- The UPS staff noted that a recent transition to a different enterprise management system (eAMS to SAP) provided an opportunity to review all process and maintenance strategies associated with environmental compliance
- Proactive solutions to identified issues are implemented, such as changing waste transport providers for faster service times
- Waste is segregated and appropriately stored prior to removal. Broken down cardboard boxes were observed being stored under cover and on pallets to ensure they remain dry prior to recycling
- Environmental hazards are identified and managed for major outage works. For example, where high pressure cleaning was required, it was conducted in a self-contained tent
- Chemicals and hazardous goods are limited to minimal quantities; and
- Drainage systems throughout the site are clearly marked (i.e. - stormwater, collection sump, etc.).

3.3 Opportunities for Improvement

Three of the conditions assessed were determined to be compliant, with opportunity for improvement noted, as discussed below.

DA Condition 3.2 - Environmental Performance; Air Quality Impacts

The Applicant shall not permit any offensive odour, as defined under section 129 of the Protection of the Environment Operations Act 1997, to be emitted beyond the boundary of the site.

Compliance with this condition was demonstrated through the provision of the UPS Environmental Management Plan (2021). During the virtual site audit, it was discussed that during the audit period, an odour was detected on site which was attributed to offsite deceased fauna. An OFI was identified, namely ensuring that all environmental observations are logged in the Origin Central Intelligence System (OCIS).

DA Condition 3.15 - Environmental Performance; Hazards and Risk Impacts; Bunding and Spill Management

The Applicant shall store and handle all liquid hazardous materials and liquid dangerous goods, as defined by the Australian Dangerous Goods Code, strictly in accordance with:

- all relevant Australian Standards*
- a minimum bund volume requirement of 110% of the volume of the largest single stored volume within the bund; and*
- the EPA's Environment Protection Manual Technical Bulletin Bunding and Spill Management.*

In the event of an inconsistency between the requirements listed from a) to c) above, the most stringent requirement shall prevail to the extent of the inconsistency.



Compliance with this condition was demonstrated during the virtual site audit, as all liquid hazardous and dangerous goods were observed to be appropriately stored. Management of liquid hazardous and dangerous goods is documented within the UPS Environmental Management Plan (2021). An OFI was identified, namely ensuring that a review of the information relating to hazardous goods in the emergency cabinet is updated, as it has not been reviewed since 2017.

DA Condition 6.5 - Environmental Management; Operation Environmental Management Plan

The Applicant shall prepare and implement an Operation Environmental Management Plan to detail an environmental management framework, practices and procedures to be followed during operation of the development. The Plan shall include, but not necessarily be limited to:...

The Plan shall be submitted for the approval of the Director-General no later than one month prior to the commencement of operation of the development, or within such period otherwise agreed by the Director-General. Operation shall not commence until written approval has been received from the Director-General.

An Environmental Management Plan was in place during the audit period and was re-issued in November 2021. An OFI was noted as the revised Environmental Management Plan is yet to be approved by the Department of Planning and Environment.

3.4 Non-compliant Results

No non-compliances were recorded during this audit period. Two non-compliant results were recorded during the previous audit period, namely:

- Condition 3.5 (discharge limits) of the DA and Condition L3 (concentration limits) of the EPL; and
- Condition 6.1 (environmental representative) of the DA.

Both non-compliant conditions identified during the previous audit period have been rectified.

3.5 Conditions Recommended for Closure

As discussed in Section 3.1, 42 conditions were assessed as not being applicable. Several of these conditions have been fulfilled and will not require re-evaluation of compliance, as they relate to the construction phase of the UPS. Construction was completed in December 2008.

It is recommended that the conditions listed below are closed and excluded from future annual reports and three-yearly audits:

- | | |
|---|--|
| • 1.2, 1.3 and 1.4 - Staging of Development | • 3.29 - Aviation Impacts |
| • 2.1 - Compliance | • 3.30 and 3.32 - Traffic and Transport Impacts |
| • 3.9 and 3.10 - Construction Noise | • 3.33 - Surface Instruction Impacts |
| • 3.12c - Operation Noise | • 4.3 and 4.4 - Air Quality Performance Verification |
| • 3.16, 3.16a and 3.17 - Pre-construction Hazards Studies | • 6.2 - 6.4 - Construction Environmental Management Plan. |
| • 3.19 - Flora, fauna and Visual Amenity Impacts | • 6.7 - Re-issue of Operational Environmental Management Plan. |
| • 3.21 - 3.27 - Off Site Screening of Residual Visual Amenity Impacts | |



4 Recommendations and Conclusion

This third party environmental audit for the UPS was conducted to assess compliance against the conditions included within DA-31-2-204-I MOD10 and EPL 12490, as required by Condition 4.9 of the DA. This environmental audit has been prepared for the period of January 2019 - December 2021 and was conducted by a suitably qualified auditor, approved by DPE.

A total of 73 DA conditions and 25 EPL conditions were assessed for compliance. Of the 98 conditions assessed:

- 44 conditions were identified as not applicable (45 %). The majority of these conditions related to the construction phase of the UPS, which was completed in December 2018
- 51 conditions were compliant (52 %). When excluding the conditions that were determined to be not applicable, a compliance rate of 94 % was achieved, representative of sound environmental management procedures that are being implemented at the UPS. Several examples of good environmental performance were observed during the audit
- 3 conditions (3 %) were assessed as compliant but providing OFI. These related to the development of an approvals and obligations register and updating the UPS Environmental Management Plan to include vibration; and
- No non-compliant conditions were recorded during the audit period. Conditions that were determined to be non-compliant in the previous 3-yearly audit were determined to be compliant.





Appendix A Auditor Approval

Mr Jarryd Lavery
Environmental Business Partner
280 Uranquinty Cross Road
URANQUINTY NSW 2652
25/10/2021

Dear Mr Lavery

**Uranquinty Power Station (DA 31-2-2004-i)
Independent Auditor Endorsement 2021**

I refer to your letter of 19 October 2021 seeking approval of Ms Hannah Rowan of E2M Pty Ltd as the lead auditor for the upcoming Independent Environmental Audit of Uranquinty Power Station (the development), in accordance with Schedule 2, Condition 4.9 of the development consent DA 31-2-2004-i, as modified (the consent).

Having considered the qualifications and experience of Ms Rowan, the Secretary endorses the appointment of Ms Rowan to undertake the audit in accordance with Schedule 2, Condition 4.9 of the consent. This approval is conditional on Ms Rowan being independent of the development.

The audit is to be conducted in accordance with AS/NZS ISO 19011 Australian/New Zealand Standard: Guidelines for quality and/or environmental management systems auditing. Auditors may wish to have regard to the Independent Audit Guideline dated May 2020. A copy of this guideline can be located at <https://www.planning.nsw.gov.au/-/media/Files/DPE/Other/Assess-and-regulate/About-Compliance/independent-audit-post-approval-requirements-2020-05-19.pdf>.

The audit report is to include the following:

- consultation with the relevant agencies;
- a compliance table indicating the compliance status of each condition of approval and any relevant EPL;
- not use the term "partial compliance";
- recommend actions in response to non-compliances;
- review the adequacy of plans and programs required under this consent; and
- identify opportunities for improved environmental management and performance.

Within one month of the completion of the audit, Origin is to submit a copy of the audit report to the Secretary and any other NSW agency that requests it, together with its response to any recommendations contained in the audit report and a timetable to implement the recommendations. Prior to submitting the audit report to the Secretary, it is recommended that Origin review the report to ensure it complies with the relevant consent condition.

Should you need to discuss the above, please contact Georgia Dragicevic, Senior Compliance Officer, on (02) 4247 1852 or by email to Georgia.Dragicevic@planning.nsw.gov.au.

Yours sincerely



Katrina O'Reilly
Team Leader - Compliance
Compliance
As nominee of the Planning Secretary



Appendix B Audit Plan



13 October 2021

ATTN: Jarryd Lavery
Origin Energy Resources Limited
Level 24, 180 Ann Street
BRISBANE QLD 4000

Dear Jarryd

AUDIT PLAN - THIRD PARTY COMPLIANCE AUDIT: URANQUINTY POWER STATION

E2M Pty Ltd (E2M) was commissioned to conduct an Environmental Audit to determine compliance of the Uranquinty Power Station with the *Determination of Development Application DA-31-2-2004-I* (DA Approval Conditions). The proposed Audit Plan to complete the third party audit is summarised in Table 1.

Table 1 Audit Plan

Objectives	The purpose and objective of the third party audit is to determine compliance with the applicable DA Approval Conditions for the Uranquinty Power Station, along with other licences and approvals. The audit will determine compliance with the applicable DA Approval Conditions by collecting and collating evidence of compliance. Where opportunities for improved environmental performance are observed, they will be noted.
Scope	<p>The scope of the audit is to assess compliance with the applicable DA Approval Conditions by conducting a:</p> <ul style="list-style-type: none">• Desktop review of relevant documents, systems, registers and records, as well as interviews with applicable stakeholders; and• Site assessment of the Uranquinty Power Station. <p>Note: Due to COVID-19 restrictions, the site assessment will be conducted remotely. This approach has been discussed with the Department of Planning, Industry and the Environment.</p>
Audit Criteria	The audit criteria are the conditions, standards or requirements that the activities will be audited against. The audit criteria are the Determination of Development Application DA-31-2-2004-I (DA Approval Conditions) and the Environmental Protection Licence (No. 12490).

Audit Team	Origin Energy has nominated the engagement of E2M Pty Ltd, approved by the Director-General. The audit team will comprise of: <ul style="list-style-type: none">• Hannah Rowan - Lead Auditor• Georgia Day - Audit Team• Emily Drummond - Audit Team															
Audit Scoring Assessment	<p>The compliance assessment ratings to be used for this audit are:</p> <table><tr><th>Audit Rating</th><th>Abbreviation</th><th>Assessment Criteria</th></tr><tr><td>Compliant</td><td>C</td><td>Demonstrated compliance with condition.</td></tr><tr><td>Non-compliant</td><td>NC</td><td>Not compliant with condition.</td></tr><tr><td>Opportunity for Improvement</td><td>OFI</td><td>Compliant with condition, however performance can be improved to ensure future compliance.</td></tr><tr><td>Not Applicable</td><td>NA</td><td>Condition not activated at the time of the audit.</td></tr></table> <p>Where compliance cannot be determined due to access to the site being unavailable, this will be clearly identified within the audit report.</p>	Audit Rating	Abbreviation	Assessment Criteria	Compliant	C	Demonstrated compliance with condition.	Non-compliant	NC	Not compliant with condition.	Opportunity for Improvement	OFI	Compliant with condition, however performance can be improved to ensure future compliance.	Not Applicable	NA	Condition not activated at the time of the audit.
Audit Rating	Abbreviation	Assessment Criteria														
Compliant	C	Demonstrated compliance with condition.														
Non-compliant	NC	Not compliant with condition.														
Opportunity for Improvement	OFI	Compliant with condition, however performance can be improved to ensure future compliance.														
Not Applicable	NA	Condition not activated at the time of the audit.														
Audit Tools	<p>The following tools will be utilised to document the process and capture the findings of the audit:</p> <ul style="list-style-type: none">• Audit tool (provided by Origin)• Audit report• Closing meeting agenda and minutes. <p>Documents required to determine compliance will be requested via email to Jarryd Lavery.</p>															
Audit Timetable	<p>The following audit schedule is proposed:</p> <table><tr><th>Task</th><th>Completion Date</th></tr><tr><td>Audit Plan / Opening Meeting</td><td>13/10/2021</td></tr><tr><td>Desktop Audit</td><td>12/12/2021</td></tr><tr><td>Site Audit</td><td>12/12/2021</td></tr><tr><td>Draft Report</td><td>17/12/2021</td></tr><tr><td>Closing Meeting</td><td>20/12/2021</td></tr><tr><td>Final Report</td><td>Within three business days following receipt of comments</td></tr></table>	Task	Completion Date	Audit Plan / Opening Meeting	13/10/2021	Desktop Audit	12/12/2021	Site Audit	12/12/2021	Draft Report	17/12/2021	Closing Meeting	20/12/2021	Final Report	Within three business days following receipt of comments	
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Draft Report	17/12/2021															
Closing Meeting	20/12/2021															
Final Report	Within three business days following receipt of comments															
Confidentiality	All documentation and information disclosed by Origin throughout this audit will remain confidential.															

If you have any queries regarding this Audit Plan, please contact me on 0435 223 163.

Hannah Rowan
Senior Associate





Appendix C Audit Results

Audit Findings - Uranquinty Power Station

			Audit Title:	Uranquinty Power Station Environmental Authority Third Party Audit 2021			
			Approval Document/s:	Uranquinty Power Station Determination of Development Application DA-31-2-2004-I			
			Auditor/s:	Hannah Rowan, Emily Drummond			
			Audit Dates:	Nov-21			
Condition Number	Condition Title	Condition	Auditor's Comments (Do not include bullet points, tabs or tables)	Evidence	Finding Result	Impact Rating	Recommendation for Condition
Development Approval (DA)							
1.1	General; Scope of Development	<p>The Applicant shall carry out the development generally in accordance with:</p> <p>a) Development Application DA-31-2-2004-i, lodged with the then Department of Infrastructure, Planning and Natural Resources 4 February 2004;</p> <p>b) Environmental Impact Statement, Proposed Wagga Wagga Gas-Fired Power Station, Submission to NSW Department of Infrastructure, Planning and Natural Resources, prepared by Environmental and Licensing Professional Pty Ltd and dated January 2004;</p> <p>c) An Addendum Report from Katestone Environmental to ELP: Response to EPA Questions on Air Quality Report for Wagga Wagga Power Station, prepared by Katestone Environmental Pty Ltd and dated 31 March 2004;</p> <p>d) additional information provided by letter from Environmental & Licensing Professionals Pty Ltd to the Department dated 19 April 2004, and accompanied by:</p> <p>i) Environmental Noise Impact Assessment: Uranquinty Gas-Fired Power Station, Wambo Power Ventures, prepared by Bassett Acoustics and dated 7 May 2004 ;</p> <p>ii) Water Management Strategy: Additional Information Requested by EPA, prepared by Environmental & Licensing Professionals Pty Ltd and dated April 2004;</p> <p>e) Additional information provided by email from Origin Energy Limited to the Department dates 3 July 2009 and 7 July 2009 and accompanies by site plans and photographs;</p> <p>f) The letter from Origin Energy Uranquinty Power Pty Ltd to the Department of Planning dated 24 May 2010 titled Uranquinty Gas-fired Power Station (DA-31-2-2004-i) Proposed Development Consent Modification - Addition of a 60 metre weather mast;</p> <p>g)the letter from Origin Energy Uranquinty Power Pty Ltd to the Department of Planning dated 3 September 2010 (received by the Department on 6 September 2010) titled Application for Modification of Development Consent for Uranquinty Power Station (DA-31-2-2004-1);</p>	<p>The UPS EMP outlines relevant environmental legislation and environmental approvals and general operating parameters. Regulatory compliance is managed via an internal system (SAP).</p> <p>The requirements of the environmental legislation and approvals are well understood by site staff.</p>	<ul style="list-style-type: none">•Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS.•Interviews with key personnel.•Virtual site audit.	Compliant		No change
1.2a	General; Scope of Development	<p>In the event of an inconsistency between:</p> <p>a) the conditions of this consent and any document listed from condition 1.1a) to 1.1i) inclusive, the conditions of this consent shall prevail to the extent of the inconsistency; and</p> <p>b) any document listed from condition 1 .1 a) to 1 .1i) inclusive, and any other document listed from condition 1.1a) to 1.1i) inclusive, the most recent document shall prevail to the extent of the inconsistency.</p> <p>To avoid any doubt, this consent does not authorise the subdivision of the site. Any subdivision must be subject to separate approval under the Environmental Planning and Assessment Act 1979</p>	<p>The UPS EMP outlines relevant environmental legislation and environmental approvals and general operating parameters. No inconsistency identified.</p>	<ul style="list-style-type: none">•Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS.	Compliant		No change

1.2	General; Staging of Development	Pursuant to section 80(4) of the Environmental Planning and Assessment Act 1979, the Applicant shall undertake the development in stages as follows: a) Stage 1 - two 150 MW gas turbines operating in an open cycle configuration, and associated infrastructure, including: office and workshop facilities; transformers and switchgear; fire service and fire water storage; diesel storage and pumping; stormwater storage pond; evaporation basins; contained composting toilet system; demineralised water plant; and underground connection to gas pipeline; b) Stage 2 - an addition two 150 MW gas turbines operating in an open cycle configuration, with associated infrastructure and modifications to the site.	Determined to be completed in 2016, 2015 and 2010 audits. Determined to be not applicable in the 2018 audit as it relates to works that have been completed.	<ul style="list-style-type: none"> •2013-2015 3 Yearly Environmental compliance External Audit (2016), prepared by Ramboll Environ Australia Pty Ltd. •2015 Annual Environmental Compliance External Audit (2015), prepared by Golder Associates. •Environmental Compliance Audit - Uranquinty Power Station (2010), prepared by Golder Associates. •Uranquinty Power Station: 2016-2018 Environmental Compliance Audit (2018), Prepared by E2M Pty Ltd. 	N/A		Close - no longer applicable
1.3	General; Staging of Development	Subject to compliance with the relevant conditions of this consent, the Applicant may undertake Stage 1 of the development from the commencement of operation of this consent.	Determined to be completed in 2016, 2015 and 2010 audits. Determined to be not applicable in the 2018 audit as it relates to works that have been completed.	<ul style="list-style-type: none"> •2013-2015 3 Yearly Environmental compliance External Audit (2016), prepared by Ramboll Environ Australia Pty Ltd. •2015 Annual Environmental Compliance External Audit (2015), prepared by Golder Associates. •Environmental Compliance Audit - Uranquinty Power Station (2010), prepared by Golder Associates. •Uranquinty Power Station: 2016-2018 Environmental Compliance Audit (2018), Prepared by E2M Pty Ltd. 	N/A		Close - no longer applicable
1.4	General; Staging of Development	Pursuant to section 80(5) of the Environmental Planning and Assessment Act 1979, the Applicant shall only undertake Stage 2 of the development with the further consent of the Minister. This consent shall be the subject of a demonstration by the Applicant, to the satisfaction of the Minister, that all necessary environmental planning approvals have been sought and obtained for any upgrade to electricity transmission infrastructure that may be required in relation to the progression of the development from Stage 1 to Stage 2.	Determined to be completed in 2016, 2015 and 2010 audits. Determined to be not applicable in the 2018 audit as it relates to works that have been completed.	<ul style="list-style-type: none"> •2013-2015 3 Yearly Environmental compliance External Audit (2016), prepared by Ramboll Environ Australia Pty Ltd. •2015 Annual Environmental Compliance External Audit (2015), prepared by Golder Associates. •Environmental Compliance Audit - Uranquinty Power Station (2010), prepared by Golder Associates. •Uranquinty Power Station: 2016-2018 Environmental Compliance Audit (2018), Prepared by E2M Pty Ltd. 	N/A		Close - no longer applicable
1.5	General; Statutory Requirements	The Applicant shall ensure that all licences, permits and approvals are obtained and maintained as required throughout the life of the development. No condition of this consent removes the obligation for the Applicant to obtain, renew or comply with such licences, permits or approvals.	Licences, permits and approvals are maintained, as per requirements in the UPS EMP. Auditor advised that during the audit period, a revised EPA licence was issued following an EPA inspection of the premises. This has been reflected in the current EMP.	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. •Interview with Key personnel. •Notice of Variation of Licence No. 12490. 	Compliant		No change
1.6	General; Dispute Resolution	In the event that a dispute arises between the Applicant and Council or the Applicant and a public authority other than the Department, in relation to a specification or requirement applicable under this consent, the matter shall be referred by either party to the Director-General, or if not resolved, to the Minister, whose determination of the dispute shall be final and binding on all parties. For the purpose of this condition, "public authority" has the same meaning as provided under section 4 of the Act. Note: Section 121 of the Environmental Planning and Assessment Act 1979 provides mechanisms for resolution of disputes between the Department, the Director-General, councils and public authorities.	Advised by Community Liaison Advisor, Environmental Advisor and UPS Manager that no disputes have arisen in the audit period. No complaints or disputes recorded in OCIS. No complaints or disputes noted in annual reports.	<ul style="list-style-type: none"> •Interviews with key personnel. •OCIS extract for audit period. •Uranquinty Power Station 2019 Annual Environmental Management Report (2020), prepared by Origin Energy. •Uranquinty Power Station 2020 Annual Environmental Management Report (2021), prepared by Origin Energy. 	N/A		No change

2.1	Compliance	<p>Prior to each of the events listed from a) to e) below, or within such period otherwise agreed by the Director-General, the Applicant shall certify in writing to the satisfaction of the Director-General, that it has complied with all conditions of this consent applicable prior to that event. Where an event is to be undertaken in stages, the Applicant may, subject to the agreement of the Director-General, stage the submission of compliance certification consistent with the staging of activities relating to that event.</p> <p>a) commencement of any physical works on the site; b) commencement of construction of Stage 1 of the development; c) commencement of operation of Stage 1 of the development; d) commencement of construction of Stage 2 of the development; e) commencement of operation of Stage 2 of the development.</p>	<p>Determined to be completed in 2016, 2015 and 2010 audits.</p> <p>Determined to be not applicable in the 2018 audit as it relates to works that have been completed.</p>	<ul style="list-style-type: none"> •2013-2015 3 Yearly Environmental compliance External Audit (2016), prepared by Ramboll Environ Australia Pty Ltd. •2015 Annual Environmental Compliance External Audit (2015), prepared by Golder Associates. •Environmental Compliance Audit - Uranquinty Power Station (2010), prepared by Golder Associates. •Uranquinty Power Station: 2016-2018 Environmental Compliance Audit (2018), Prepared by E2M Pty Ltd. 	N/A		Close - no longer applicable
2.2	Compliance	Notwithstanding condition 2.1 of this consent, the Director-General may require an update report on compliance with all, or any part, of the conditions of this consent. Any such update shall meet the requirements of the Director-General and be submitted within such period as the Director-General may agree.	<p>Advised by Environmental Advisor and UPS Manager that no request has been made by the Department of Planning and Environment.</p> <p>Annual reports prepared.</p>	<ul style="list-style-type: none"> •Interviews with key personnel. •Uranquinty Power Station 2019 Annual Environmental Management Report (2020), prepared by Origin Energy. •Uranquinty Power Station 2020 Annual Environmental Management Report (2021), prepared by Origin Energy. 	N/A		No change
2.3	Compliance	The Applicant shall meet the requirements of the Director-General in respect of the implementation of any measure necessary to ensure compliance with the conditions of this consent, and general consistency with the documents listed under condition 1.1 of this consent. The Director-General may direct that such a measure be implemented in response to the information contained within any report, plan, correspondence or other document submitted in accordance with the conditions of this consent, within such time as the Director-General may agree.	As per condition 2.2, not applicable.	<ul style="list-style-type: none"> •Interviews with key personnel. •Uranquinty Power Station 2019 Annual Environmental Management Report (2020), prepared by Origin Energy. •Uranquinty Power Station 2020 Annual Environmental Management Report (2021), prepared by Origin Energy. 	N/A		No change
3.1	Environmental Performance; Air Quality Impacts	The Applicant shall design, construct, operate and maintain the development in a manner that minimises dust emissions from the site.	<p>The UPS EMP outlines dust minimisation measures and monitoring requirements in accordance with this condition.</p> <p>No complaints relating to dust were recorded in the Complaints Register (OCIS).</p> <p>Auditor advised by site personnel that the potential for dust emissions is limited - the site is entirely hardstand, gravel and bitumen to prevent ingress of dust in to turbines.</p>	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. •Origin's Collective Intelligence System (OCIS) extract for audit period. •Interview with key personnel. 	Compliant		No change
3.2	Environmental Performance; Air Quality Impacts	The Applicant shall not permit any offensive odour, as defined under section 129 of the Protection of the Environment Operations Act 1997, to be emitted beyond the boundary of the site.	<p>The UPS EMP outlines air quality (including odour) management and monitoring requirements in accordance with this condition.</p> <p>No complaints relating to odour were recorded in the complaints register.</p> <p>Auditor advised that general operation would not result in an odour. Odour was detected during the audit period but was attributed to offsite deceased fauna. OFI - ensure all environmental observations are recorded in OCIS.</p>	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. •Interview with key personnel. •UPS-SITE-INSP-ENV-01Y 	Opportunity for Improvement		No change
3.3	Environmental Performance; Limitations on Fuel	The Applicant shall only use natural gas for routine firing in the power station turbines.	The UPS EMP outlines that the UPS is fuelled by natural gas for routine firing. This was confirmed by Site personnel.	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. •Interview with key personnel. 	Compliant		No change

3.4	Environmental Performance; Limitations on Fuel	The Applicant shall only use low sulfur diesel (containing no greater than 0.05 wt% (500 ppm) sulfur) in the power station turbines during emergencies when the natural gas supply to the development has been disrupted. Operation of the power station turbines on low sulfur diesel shall not exceed a total of 70 hours per year.	Diesel is not used in gas turbines for emergencies - auditor advised that the units are not designed for diesel.	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. •Interviews with key personnel. 	N/A		No change
3.5	Environmental Performance; Discharge Limits	The Applicant shall design, construct, operate and maintain the development to ensure that for each turbine stack discharge point (four in total), the concentration of each pollutant listed in Table 1 is not exceeded when utilising the specified fuel.	The UPS EMP identifies that annual stack emission testing is required. Annual emission testing reports prepared for 2019 and 2020 did not identify any exceedances. 2021 monitoring has not yet been finalised. Advised that SAP is used to track emissions testing (Scheduled in SAP for last week of the year).	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. •Emission Testing Report (2020). Prepared by Ektimo. Doc Ref: R006913 •Emission Testing Report (2021), Prepared by Ektimo. Doc Ref: R009982 •Interviews with key personnel •Virtual site audit 	Compliant		No change
3.6	Environmental Performance; Meteorological Monitoring Station	<p>The Applicant shall install, operate and maintain a meteorological monitoring station to monitor weather conditions representative of those on the site, in accordance with:</p> <p>a) AM-1 Guide to Siting of Sampling Units;</p> <p>b) AM-2 Guide for Horizontal Measurement of Wind for Air Quality Applications; and</p> <p>c) AM-4 On-Site Meteorological Monitoring Program Guidance for Regulatory Modelling Applications.</p> <p>The Applicant shall use the meteorological monitoring station to undertake the monitoring required under condition 4.1 of this consent. This condition does not preclude the Applicant from reaching agreement with any other relevant party for the installation, operation and maintenance of a shared monitoring station, provided the outcomes of this condition are achieved.</p>	The UPS EMP identifies that a continuous meteorological monitoring system is installed on site, which was also advised during interviews with key personnel. Monitoring required by Condition 4.1 is undertaken by the meteorological monitoring station.	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. •Inspection Checklist. Doc Ref: UPS-Site-Insp-ENV-01Y •Virtual site audit 	Compliant		No change
3.7	Environmental Performance; Noise Impacts; Vibration Impacts	The Applicant shall ensure that the vibration resulting from construction and operation of the development does not exceed the evaluation criteria presented in British Standard BS6472 for low probability of adverse comment, at any affected residential dwelling.	Advised that the power station operations are unlikely to result in vibration. Auditor advises that no works during the audit period resulted in vibrations (blasting, rock breaking etc). The OCIS extract did not identify complaints relating to vibration.	<ul style="list-style-type: none"> •Interviews with key personnel. •OCIS extract for the audit period. 	Compliant		No change
3.8	Environmental Performance; Noise Impacts; Heavy Vehicles	Heavy vehicles shall only be permitted to enter or leave the site between 7:00 am and 7:00 pm on any day. This condition does not apply in the event of a direction from police or other relevant authority for safety reasons.	The UPS EMP identifies hours of access for heavy vehicles. Advised by site personnel that this is adhered to and addressed in site induction. Evidence of signage at gate identified.	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. •Interviews with key personnel •Virtual Site Audit 	Compliant		No change
3.9	Environmental Performance; Noise Impacts; Construction Noise	<p>The Applicant shall only undertake construction activities associated with the development that would generate an audible noise at any residential premises between the following hours:</p> <p>a) 7:00 am to 6:00 pm, Mondays to Fridays, inclusive;</p> <p>b) 7:00 am to 1:00 pm on Saturdays; and</p> <p>c) at no time on Sundays or public holidays.</p> <p>This condition does not apply in the event of a direction from police or other relevant authority for safety reasons.</p>	Construction activities have been completed.	2015 Annual Environmental Compliance External Audit (2015), prepared by Golder Associates. Environmental Compliance Audit - Uranquinty Power Station (2010), prepared by Golder Associates.	N/A		Close - no longer applicable

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3.10	Environmental Performance; Noise Impacts; Construction Noise	<p>The hours of construction activities specified under condition 3.9 of this consent may be varied with the prior written approval of the Director-General. Any request to alter the hours of construction specified under condition 3.9 shall be:</p> <p>a) considered on a case-by-case basis; b) accompanied by details of the nature and need for activities to be conducted during the varied construction hours; and c) accompanied by written evidence of the EPA's agreement with the proposed variation in construction times, after providing any information necessary for the EPA to reasonably determine that activities undertaken during the varied construction hours will not adversely impact on the acoustic amenity of receptors in the vicinity of the site.</p>	Construction activities have been completed.	<p>2015 Annual Environmental Compliance External Audit (2015), prepared by Golder Associates.</p> <p>Environmental Compliance Audit - Uranquinty Power Station (2010), prepared by Golder Associates.</p>	N/A		Close - no longer applicable
3.11	Environmental Performance; Noise Impacts; Operation Noise	<p>The Applicant shall design, construct, operate and maintain the development to ensure that the noise contributions from the development to the background acoustic environment do not exceed the maximum allowable noise contributions specified in Table 2, at those locations and during those periods indicated. The maximum allowable noise contributions apply under wind speeds up to 3 ms-1 (measured at 10 metres above ground level), or under temperature inversion conditions of up to 3°C/100 metres and under wind speeds up to 2 ms-1 (measured at 10 metres above ground level).</p> <p>For the purposes of Table 2, "any residence" is defined as:</p> <p>a) any residence in existence at the date that DA-31-2-2004-i MOD 7 was granted; or b) any residential dwelling that has not yet been constructed but which is authorised (by an approval or otherwise) under the Environmental Planning and Assessment Act 1979 by the date that DA-31-2-2004-i MOD 7 was granted; or c) any application for a residential dwelling, which is lodged with a relevant authority by the date that DA-31-2-2004-i MOD 7 was granted, and which is subsequently authorised (by an approval or otherwise) by that authority under the Environmental Planning and Assessment Act 1979.</p> <p>For the purposes of compliance, the noise limits apply in the case of b) and c) above only once the residential dwelling has been constructed.</p>	<p>Noise monitoring was conducted in 2019 to verify that operational noise levels are consistent with original noise modelling.</p> <p>Noise is monitored (qualitatively) in accordance with the UPS EMP. An Operational Noise Procedure is included in the UPS EMP.</p>	<p>•Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS.</p> <p>•Uranquinty Power Station Stack Noise Measurements Over Time. Prepared by Sonus (2019).</p>	Compliant		No change

3.12	Environmental Performance; Noise Impacts; Operation Noise	<p>For the purpose of assessment of noise contributions specified under condition 3.11 of this consent, noise from the development shall be:</p> <p>a) at any point within the residential boundary, or at any point within 30 metres of the dwelling where the dwelling is more than 30 metres from the boundary; and b) notwithstanding Table 2, where the noise contribution levels are subject to modification factors provided in Section 4 of the New South Wales Industrial Noise Policy (EPA, 2000), the noise contribution levels in Table 2A apply.</p> <p>For the purposes of Table 2A, "any other residence" is defined as: a) any residence in existence at the date that DA-31-2-2004-i MOD 7 was granted; or b) any residential dwelling that has not yet been constructed but which is authorised (by an approval or otherwise) under the Environmental Planning and Assessment Act 1979 by the date that DA-31-2-2004-i MOD 7 was granted; or c) any application for a residential dwelling, which is lodged with a relevant authority by the date that DA-31-2-2004-i MOD 7 was granted, and which is subsequently authorised (by an approval or otherwise) by that authority under the Environmental Planning and Assessment Act 1979.</p> <p>For the purposes of compliance, the noise limits apply in the case of b) and c) above only once the residential dwelling has been constructed.</p> <p>Should direct measurement of noise from the development be impractical, the Applicant may employ an alternative noise assessment method deemed acceptable by the EPA (refer to Section 11 of the New South Wales Industrial Noise Policy (EPA, 2000)). Details of such an alternative noise assessment method accepted by the EPA shall be submitted to the Director-General prior to the implementation of the assessment method.</p>	Administrative condition	N/A	N/A		No change
3.12a	Environmental Performance; Noise Impacts; Operation Noise	<p>In the event that noise complaints are received under adverse weather conditions from the residences described as "Pine Grove", "The Wardrobe" or "Wallace", the Applicant shall within one week of receiving the complaint undertake night-time operational noise monitoring at the affected residence for a period of two weeks to confirm the occurrence of operational noise levels greater than LAeq(15 minute) 35 dB(A) once the modification factors described in Section 4 of the New South Wales Industrial Noise Policy have been taken into account. Should such an exceedance exist, the Applicant shall employ a suitably qualified independent acoustic professional to prepare, in consultation with the landowner, a Noise Mitigation Design Report with the objective of providing a satisfactory level of internal noise amenity. The report is to be completed within two months of the completion of monitoring or as otherwise agreed by the landowner.</p>	Advised that no noise monitoring has been required for the listed properties during the audit period.	•Interviews with key personnel	N/A		No change
3.12b	Environmental Performance; Noise Impacts; Operation Noise	<p>Within one month of completing the report referred to in condition 3.12A, Applicant is to have entered into an agreement with the landowner to implement suitable feasible and reasonable noise mitigation measures. In the event of a dispute in reaching an agreement or over the agreement itself, either party may refer the matter to the Director-General for resolution. The Director-General's determination of any such dispute shall be final and binding on the parties. Any formal advice or further assessment required by the Director-General to resolve this matter shall be funded by the Applicant.</p>	Commitments and obligations completed in accordance with the noise easement. No monitoring required during the audit period.	•Interviews with key personnel	N/A		No change
3.12c	Environmental Performance; Noise Impacts; Operation Noise	<p>Within three months of this consent, the Applicant shall notify all applicable landowners that they are entitled to receive additional noise mitigation measures, per that described by conditions 3.12A and 3.12B.</p>	Determined to be compliant in 2010 audit.	•Environmental Compliance Audit - Uranquinty Power Station (2010), prepared by Golder Associates.	N/A		Close - no longer applicable

3.12d	Environmental Performance; Noise Impacts; Operation Noise	<p>Conditions 3.11, 3.12, 3.12A, 3.12B and 3.12C do not apply to any residence for which the owner is party to, or is otherwise subject to, an agreement or other legal instrument which permits noise at levels higher than those specified in conditions 3.11 and 3.12.</p> <p>The Applicant must notify the Director-General in writing within 14 days of such an agreement or instrument having been made, outlining the parties and property details the subject of the agreement or instrument. The parties and property details the subject of any agreement or instrument made prior to the date of DA-31-2-2004-i MOD 7 being granted shall be notified to the Director-General in writing within 14 days of that modification being granted.</p>	No additional noise easements agreed to during the audit period.	•Interviews with key personnel	Compliant		No change
3.12e	Environmental Performance; Noise Impacts; Operation Noise	<p>The operational noise limits specified under conditions 3.11 and 3.12 do not apply to the following situations, which are taken to be operations outside of normal operating conditions:</p> <p>a) emergency situations; and b) during periods of noise testing identified and implemented in accordance with an approved noise management procedure prepared in accordance with the requirements of condition 6.6 c) ix).</p>	Administrative condition	N/A	N/A		No change
3.13	Environmental Performance; Soil and Water Quality Impacts	Except as may be expressly permitted by an Environment Protection Licence for the development issued under the Protection of the Environment Operations Act 1997, the Applicant shall ensure that section 120 of that Act (prohibition of pollution of waters) is complied with in and in connection with the carrying out of the development.	<p>The UPS EMP outlines water quality and sediment control management strategies.</p> <p>Auditor advised that water quality monitoring as required by the EMP is implemented on site. Evidence of lab sampling results provided.</p> <p>Review of inspection checklist to confirm actions are implemented.</p>	<p>•Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS.</p> <p>•Inspection Checklist: UPS-Site-Insp-Env-01Y</p> <p>•Water quality monitoring records.</p> <p>•Water Quality lab results</p>	Compliant		No change
3.14	Environmental Performance; Soil and Water Quality Impacts	All water detention basins installed on the site for the management of surface water or stormwater shall be lined with an impermeable clay liner (or equivalent) of at least 300 millimetres thickness and with a permeability of no greater than 1 x10-9 mms-1. Livestock shall not be permitted to use these basins.	<p>The UPS EMP outlines water quality and sediment control management strategies.</p> <p>The stormwater detention basin is lined with a clay liner, observed during the virtual site audit. Auditor advised that livestock cannot access water detention basins.</p>	<p>•Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS.</p> <p>•Interviews with key personnel</p> <p>•Virtual site audit</p>	Compliant		No change
3.15	Environmental Performance; Hazards and Risk Impacts; Bunding and Spill Management	<p>The Applicant shall store and handle all liquid hazardous materials and liquid dangerous goods, as defined by the Australian Dangerous Goods Code, strictly in accordance with:</p> <p>a) all relevant Australian Standards; b) a minimum bund volume requirement of 110% of the volume of the largest single stored volume within the bund; and c) the EPA's Environment Protection Manual Technical Bulletin Bunding and Spill Management.</p> <p>In the event of an inconsistency between the requirements listed from a) to c) above, the most stringent requirement shall prevail to the extent of the inconsistency.</p>	<p>The UPS EMP outlines chemical and oil storage requirements, in accordance with this condition.</p> <p>The hazardous materials and dangerous goods storage viewed during the site audit was in accordance with this condition.</p> <p>Bunding across the site is appropriately designed to comply with this condition.</p> <p>High pressure vessels inspected and registered with NSW government.</p> <p>It was noted that there is limited liquid hazardous materials and dangerous goods stored on site.</p> <p>OFI - the emergency response cabinet holds information relating to SDS and typical storage volumes. This was last updated on 2017. Review is currently underway.</p>	<p>•Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS.</p> <p>•Virtual Site visit</p> <p>•Interviews with key personnel</p>	Opportunity for Improvement		No change

3.16	Environmental Performance; Hazards and Risk Impacts; Pre-Construction Hazards Studies	<p>Prior to the commencement of construction on the site, the Applicant shall prepare and submit for the approval of the Director-General, the following studies:</p> <p>a) a Fire Safety Study for the development, covering all aspects detailed in the Department's publication Hazardous Industry Planning Advisory Paper No. 2 - Fire Safety Guidelines and the New South Wales Government's Best Practice Guidelines for Contaminated Water Retention and Treatment Systems. The Study shall include a strict maintenance schedule for essential services and other safety measures. The Study shall be submitted for the approval of the Commissioner of the NSW Fire Brigades prior to submission to the Director-General;</p> <p>b) a Hazard and Operability Study (HAZOP) of the development chaired by an independent, qualified person or team. The independent person or team shall be approved by the Director-General. The Study shall be carried out in accordance with the Department's publication Hazardous Industry Planning Advisory Paper No. 8 - HAZOP Guidelines and shall, in particular, address the early shutdown procedures and systems in the event of a gas leak and recommended measures for early shutdown in the event of an incident. The HAZOP report shall be accompanied by a program for the implementation of all recommendations made in the HAZOP report;</p> <p>c) a Final Hazard Analysis prepared in accordance with the Department's Hazardous Industry Advisory Paper No.6 - Guidelines for Hazard Analysis; and</p> <p>d) a Construction Safety Study for the development, prepared in accordance with the Department's Hazardous Industry Planning Advisory Paper No. 7 - Construction Safety Study Guidelines. The commissioning portion of the Study may be submitted two months prior to commissioning the development.</p>	<p>Determined to be completed in 2016, 2015 and 2010 audits.</p> <p>Determined to be not applicable in the 2018 audit as it relates to works that have been completed.</p>	<ul style="list-style-type: none"> •2013-2015 3 Yearly Environmental compliance External Audit (2016), prepared by Ramboll Environ Australia Pty Ltd. •2015 Annual Environmental Compliance External Audit (2015), prepared by Golder Associates. •Environmental Compliance Audit - Uranquinty Power Station (2010), prepared by Golder Associates. •Uranquinty Power Station: 2016-2018 Environmental Compliance Audit (2018), Prepared by E2M Pty Ltd. 	N/A		Close - no longer applicable
3.16A	Environmental Performance; Hazards and Risk Impacts; Pre-Construction Hazards Studies	<p>A Project Work Method Statement shall be prepared prior to the commencement of construction for on-site refuelling of construction equipment required for the shed extension, as permitted by condition 1.1i), including provision for such re-fuelling to be conducted from a mobile contractor in a designated area and conducted in accordance with the Uranquinty Power Station Environmental Management Plan.</p>	<p>Determined to be completed in 2016, 2015 and 2010 audits.</p> <p>Determined to be not applicable in the 2018 audit as it relates to works that have been completed.</p>	<ul style="list-style-type: none"> •2013-2015 3 Yearly Environmental compliance External Audit (2016), prepared by Ramboll Environ Australia Pty Ltd. •2015 Annual Environmental Compliance External Audit (2015), prepared by Golder Associates. •Environmental Compliance Audit - Uranquinty Power Station (2010), prepared by Golder Associates. •Uranquinty Power Station: 2016-2018 Environmental Compliance Audit (2018), Prepared by E2M Pty Ltd. 	N/A		Close - no longer applicable
3.17	Environmental Performance; Hazards and Risk Impacts; Pre-Commissioning Hazards Studies	<p>Prior to the commencement of commissioning of the development the Applicant shall prepare and submit for the approval of the Director-General the following studies:</p> <p>a) an Emergency Plan for the development. The Plan shall be prepared in accordance with the Department's publication Hazardous Industry Planning Advisory Paper No. 1 - Industry Emergency Planning Guidelines; and</p> <p>b) a Safety Management System, covering all operations at the development and any associated transport activities involving hazardous materials. The System shall clearly specify all safety-related procedures, responsibilities and policies, along with details of mechanisms for ensuring adherence to safety procedures. The System shall be developed in accordance with the Department's publication Hazardous Industry Planning Advisory Paper No. 9 - Safety Management.</p>	<p>Determined to be completed in 2016, 2015 and 2010 audits.</p> <p>Determined to be not applicable in the 2018 audit as it relates to works that have been completed.</p>	<ul style="list-style-type: none"> •2013-2015 3 Yearly Environmental compliance External Audit (2016), prepared by Ramboll Environ Australia Pty Ltd. •2015 Annual Environmental Compliance External Audit (2015), prepared by Golder Associates. •Environmental Compliance Audit - Uranquinty Power Station (2010), prepared by Golder Associates. •Uranquinty Power Station: 2016-2018 Environmental Compliance Audit (2018), Prepared by E2M Pty Ltd. 	N/A		Close - no longer applicable

3.18	Environmental Performance; Waste Generation and Management	The Applicant shall not cause, permit or allow any waste generated by the development or from outside the site to be received at the site for storage, treatment, processing, reprocessing, or disposal on the site, except as expressly permitted by a licence issued by the EPA. This condition only applies to wastes for which a licence under the Protection of the Environment Operations Act or the Environmentally Hazardous Chemicals Act 1985 is required.	The UPS EMP outlines waste management actions and monitoring requirements. Waste storage and tracking was viewed to determine compliance with this condition. Clearly labelled waste receptacles were observed on site, waste is segregated prior to disposal. Auditor advised that no waste is received on site.	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. •Virtual site visit •Interviews with key personnel •Waste tracking records 	Compliant		No change
3.19	Environmental Performance; Flora, Fauna and Visual Amenity Impacts	Nothing in this consent permits the destruction, removal or damage of any tree in undertaking the development.	Determined to be completed in 2016, 2015 and 2010 audits. Determined to be not applicable in the 2018 audit as it relates to works that have been completed.	<ul style="list-style-type: none"> •2013-2015 3 Yearly Environmental compliance External Audit (2016), prepared by Ramboll Environ Australia Pty Ltd. •2015 Annual Environmental Compliance External Audit (2015), prepared by Golder Associates. •Environmental Compliance Audit - Uranquinty Power Station (2010), prepared by Golder Associates. •Uranquinty Power Station: 2016-2018 Environmental Compliance Audit (2018), Prepared by E2M Pty Ltd. 	N/A		Close - no longer applicable
3.20	Environmental Performance; Flora, Fauna and Visual Amenity Impacts	The Applicant shall take all practicable measures to prevent any off-site lighting impacts from the development. In particular the Applicant shall ensure that no lights are directed towards private residences or roads, and that lighting is consistent with Australian Standard AS4282(INT) 1995 - Control of Obtrusive Effects of Outdoor Lighting.	The UPS EMP provides management measures for visual amenity including measures to prevent off-site lighting impacts. As identified in the Annual Environment Management Report, lighting during major outage works was managed though continuous review. No complaints recorded in OCIS.	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. •Uranquinty Power Station 2019 Annual Environmental Management Report (2020), prepared by Origin Energy. •OCIS extract for audit period. 	Compliant		No change
3.21	Environmental Performance; Flora, Fauna and Visual Amenity Impacts; Off-Site Screening of Residual Visual Amenity Impacts	Any landowner with a residential property within three kilometres of the site (when measured from the facade of the property and the boundary of the site the subject of this consent), but excluding those properties to the east of the Olympic Highway, may, within five years of the commencement of construction of Stage 1 of the development, request that the Applicant undertake visual impact mitigation works on the landowner's property. Any such request made by a landowner must be in writing to the Applicant.	Visual mitigation works completed, as determined in the 2018 audit The 5 year period has been completed.	<ul style="list-style-type: none"> •Interviews with key personnel •Uranquinty Power Station: 2016-2018 Environmental Compliance Audit (2018), Prepared by E2M Pty Ltd. 	N/A		Close - no longer applicable
3.22	Environmental Performance; Flora, Fauna and Visual Amenity Impacts; Off-Site Screening of Residual Visual Amenity Impacts	Condition 3.21 of this consent only applies in relation to residential properties in existence at the date endorsed on this consent.	Administrative condition	N/A	N/A		Close - no longer applicable

3.23	Environmental Performance; Flora, Fauna and Visual Amenity Impacts; Off-Site Screening of Residual Visual Amenity Impacts	Seven days prior to the commencement of construction of Stage 1 of the development, the Applicant shall notify in writing all residential landowners meeting the requirements of conditions 3.21 and 3.22 of the Applicant's intention to commence construction works.	Determined to be completed in 2016, 2015 and 2010 audits. Determined to be not applicable in the 2018 audit as it relates to works that have been completed.	<ul style="list-style-type: none"> •2013-2015 3 Yearly Environmental compliance External Audit (2016), prepared by Ramboll Environ Australia Pty Ltd. •2015 Annual Environmental Compliance External Audit (2015), prepared by Golder Associates. •Environmental Compliance Audit - Uranquinty Power Station (2010), prepared by Golder Associates. •Uranquinty Power Station: 2016-2018 Environmental Compliance Audit (2018), Prepared by E2M Pty Ltd. 	N/A		Close - no longer applicable
3.24	Environmental Performance; Flora, Fauna and Visual Amenity Impacts; Off-Site Screening of Residual Visual Amenity Impacts	<p>Should the Applicant receive a request under condition 3.21 of this consent, it shall make arrangements within 14 days of receipt of the request, or within such further time as may be agreed with the landowner, to meet with the landowner or its representative to negotiate the scale, nature and timing of visual impact mitigation works on the landowner's property. The meeting(s) between the Applicant and the landowner shall establish, but not necessarily be limited to:</p> <p>a) the line(s) of sight between the residential premises and the development site; b) the nature of the visual amenity impact, having regard to the distance of the residential property from the development site and the nature of the line of sight (for example, from a bedroom, recreation area or common residential space); c) the means to mitigate the visual amenity impact, whether vegetative or of other form, including the type and location of the screening treatment; and d) such other matters as the parties may agree.</p>	Visual mitigation works completed, as determined in the 2018 audit The 5 year period has been completed.	<ul style="list-style-type: none"> •Interviews with key personnel •Uranquinty Power Station: 2016-2018 Environmental Compliance Audit (2018), Prepared by E2M Pty Ltd. 	N/A		Close - no longer applicable
3.25	Environmental Performance; Flora, Fauna and Visual Amenity Impacts; Off-Site Screening of Residual Visual Amenity Impacts	Where an agreement in relation to visual impact mitigation works is established between the parties under condition 3.24, the Applicant shall fully fund and be responsible for the completion of installation of the mitigation works within six months of the agreement, unless otherwise agreed between the Applicant and the landowner. The Applicant may, with the agreement of the landowner, provide funding for the works to be undertaken by the landowner or another party on the Applicant's behalf.	Visual mitigation works completed, as determined in the 2018 audit The 5 year period has been completed.	<ul style="list-style-type: none"> •Interviews with key personnel •Uranquinty Power Station: 2016-2018 Environmental Compliance Audit (2018), Prepared by E2M Pty Ltd. 	N/A		Close - no longer applicable
3.26	Environmental Performance; Flora, Fauna and Visual Amenity Impacts; Off-Site Screening of Residual Visual Amenity Impacts	Should the Applicant and the landowner agree to the installation of a vegetative barrier as a visual mitigation work, the Applicant shall be responsible for funding maintenance measures for the vegetative barrier, including watering, pruning and replacement of dead vegetation for a period of five years from the installation of the barrier, unless otherwise agreed with the landowner.	Visual mitigation works completed, as determined in the 2018 audit The 5 year period has been completed.	<ul style="list-style-type: none"> •Interviews with key personnel •Uranquinty Power Station: 2016-2018 Environmental Compliance Audit (2018), Prepared by E2M Pty Ltd. 	N/A		Close - no longer applicable

3.27	Environmental Performance; Flora, Fauna and Visual Amenity Impacts; Off-Site Screening of Residual Visual Amenity Impacts	If agreement is not reached between the landowner and the Applicant under condition 3.24 of this consent within three months of the receipt of a request from a landowner under condition 3.21, either party may refer the matter to the Director-General for resolution. The Director-General's determination of the matter shall be final and binding on the parties. In resolving the matter, the Director-General may appoint an independent, qualified person or team, to be funded by the Applicant, to assess the particular visual amenity issues at the subject residential property and to provide expert advice on the scale, nature and location of the visual mitigation screening.	Visual mitigation works completed, as determined in the 2018 audit The 5 year period has been completed.	<ul style="list-style-type: none"> Interviews with key personnel Uranquinty Power Station: 2016-2018 Environmental Compliance Audit (2018), Prepared by E2M Pty Ltd. 	N/A		Close - no longer applicable
3.28	Environmental Performance; Heritage Impacts	In the event that any item with identified or suspected heritage value is discovered/located during the development, the Applicant shall cease all activities that may adversely impact on the item and contact the NSW Heritage Office (in relation to items of non-indigenous heritage significance) or the Department of Environment and Conservation (in relation to items of indigenous heritage significance). The Applicant shall comply with the requirements of the NSW Heritage Office and/ or the National Parks and Wildlife Service in relation to the management of the discovered/ located item.	The UPS EMP provides a Heritage Management Plan. Advised that no items of suspected heritage value have been identified during the audit period.	<ul style="list-style-type: none"> Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. Interviews with key personnel. 	Compliant		No change
3.29	Environmental Performance; Aviation Impacts	Prior to the commencement of construction, the Applicant shall consult with the Civil Aviation Safety Authority in relation to any modifications to instruments or procedures required at Wagga Wagga aerodrome as a result of the development. At the request of the Civil Aviation Safety Authority, the Applicant shall fund any such modifications to the satisfaction of the Director-General.	Determined to be completed in 2016, 2015 and 2010 audits. Determined to be not applicable in the 2018 audit as it relates to works that have been completed.	<ul style="list-style-type: none"> 2013-2015 3 Yearly Environmental compliance External Audit (2016), prepared by Ramboll Environ Australia Pty Ltd. 2015 Annual Environmental Compliance External Audit (2015), prepared by Golder Associates. Environmental Compliance Audit - Uranquinty Power Station (2010), prepared by Golder Associates. Uranquinty Power Station: 2016-2018 Environmental Compliance Audit (2018), Prepared by E2M Pty Ltd. 	N/A		Close - no longer applicable
3.30	Environmental Performance; Traffic and Transport Impacts	Vehicular access to the site within the road reserve shall be constructed in accordance with Council's standards and requirements.	Determined to be completed in 2016, 2015 and 2010 audits. Determined to be not applicable in the 2018 audit as it relates to works that have been completed.	<ul style="list-style-type: none"> 2013-2015 3 Yearly Environmental compliance External Audit (2016), prepared by Ramboll Environ Australia Pty Ltd. 2015 Annual Environmental Compliance External Audit (2015), prepared by Golder Associates. Environmental Compliance Audit - Uranquinty Power Station (2010), prepared by Golder Associates. Uranquinty Power Station: 2016-2018 Environmental Compliance Audit (2018), Prepared by E2M Pty Ltd. 	N/A		Close - no longer applicable
3.31	Environmental Performance; Traffic and Transport	Vehicles shall enter and leave the site in a forward direction. Landscaping shall not impede driver site distances for vehicles entering and leaving the site.	Auditor advised that this is adhered to on site. Most heavy vehicles are escorted when on site. Advised that landscaping does not impede driver site	<ul style="list-style-type: none"> Virtual site audit Interviews with key personnel 	Compliant		No change

3.32	Environmental Performance; Traffic and Transport Impacts	Prior to the commencement of operations, the Applicant shall pay \$40,000 to Council as a contribution to the resurfacing of the Uranquinty Cross Road.	Determined to be completed in 2016, 2015 and 2010 audits. Determined to be not applicable in the 2018 audit as it relates to works that have been completed.	<ul style="list-style-type: none"> •2013-2015 3 Yearly Environmental compliance External Audit (2016), prepared by Ramboll Environ Australia Pty Ltd. •2015 Annual Environmental Compliance External Audit (2015), prepared by Golder Associates. •Environmental Compliance Audit - Uranquinty Power Station (2010), prepared by Golder Associates. •Uranquinty Power Station: 2016-2018 Environmental Compliance Audit (2018), Prepared by E2M Pty Ltd. 	N/A		Close - no longer applicable
3.33	Environmental Performance; Surface Instruction Impacts	Prior to the commencement of construction of the shed extension, as permitted by condition 1.1i), barricading shall be installed between the work zone and the above ground gas pipeline that is located in the south-west of the site, as illustrated in Uranquinty Power Station Proposed Storage Shed Extension Modification Report: Figure 3. All construction work shall be undertaken in a manner that prevents disturbance of this above ground gas pipeline.	Construction completed prior to audit period.	Interviews with key personnel	N/A		Close - no longer applicable
4.1	Environmental Monitoring and Auditing; Meteorological Monitoring	From the commencement of any works on the site, the Applicant shall continuously monitor, utilising the meteorological monitoring station referred to under condition 3.6 of this consent, each of the parameters listed in Table 3, utilising the sampling method indicated and applying a 15-minute average period to all results, and recording data in units specified in the Table.	The UPS EMP identifies that a continuous meteorological monitoring system is installed on site. The UPS EMP identifies that parameters identified in Table 3 are continuously monitored. Monitoring system and data analysis tools viewed during virtual site audit.	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. •Interviews with key personnel. 	Compliant		No change
4.2	Environmental Monitoring and Auditing; Air Quality Monitoring	The Applicant shall determine the pollutant concentrations and emission parameters specified in Table 4 below, at each of the turbine stack discharge points (established in strict accordance with the requirements of test method TM-1 as specified in Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales (EPA, 2001). Monitoring shall be undertaken during operation of the development, at the frequency indicated in the Table, unless otherwise agreed by the EPA.	The UPS EMP identifies air quality monitoring requirements consistent with this condition. Stack testing reports provided.	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. •Results of annual monitoring reviewed. •Emission Testing Report (2020). Prepared by Ektimo. Doc Ref: R006913 •Emission Testing Report (2021), Prepared by Ektimo. Doc Ref: R009982 	Compliant		No change

4.3	Environmental Monitoring and Auditing; Air Quality Performance Verification	<p>Within 90 days of the commencement of operation of both Stage 1 and Stage 2 of the development, or as may be agreed by the Director-General, and during a period in which the development is operating under design loads and normal operating conditions, the Applicant shall undertake a program to confirm the air emission performance of the development. The program shall include, but not necessarily be limited to:</p> <p>a) point source emission sampling and analysis subject to the requirements listed under condition 4.2; b) a comprehensive air quality impact assessment, using actual air emission data collected under a). The assessment shall be undertaken strictly in accordance with the methods outlined in Approved Methods and Guidance for the Modelling and Assessment of Air Pollutants in New South Wales (EPA, 2001); c) a comparison of the results of the air quality impact assessment required under b) above, and the predicted air quality impacts detailed in the documents listed under condition 1.1 of this consent; d) a comparison of the results of the air quality impact assessment required under b) above, and the impact assessment criteria detailed in Approved Methods and Guidance for the Sampling and Analysis of Air Pollutants in New South Wales (EPA, 2001); and e) details of any entries in the Complaints Register (condition 5.3 of this consent) relating to air quality impacts.</p> <p>A report providing the results of the program shall be submitted to the Director-General and the DEC with 28 days of completion of the testing required under a).</p>	Determined to be completed in 2016 and 2010 audits.	<ul style="list-style-type: none"> •2013-2015 3 Yearly Environmental compliance External Audit (2016), prepared by Ramboll Environ Australia Pty Ltd. •Environmental Compliance Audit - Uranquinty Power Station (2010), prepared by Golder Associates. 	N/A		Close - no longer applicable
4.4	Environmental Monitoring and Auditing; Air Quality Performance Verification	<p>In the event that the program undertaken to satisfy condition 4.3 of the consent indicates that the operation of the development, under design loads and normal operating conditions, will lead to:</p> <p>a) greater point source emissions or ground-level concentrations of air pollutants than predicted in the documents listed under condition 1.1 of this consent; or b) greater point source emissions or ground-level concentrations of air pollutants than the impact assessment criteria detailed in Approved Methods and Guidance for the Sampling and Analysis of Air Pollutants in New South Wales (EPA, 2001);</p> <p>then the Applicant shall provide details of remedial measures to be implemented to reduce point source emissions or ground-level concentrations of air pollutants to no greater than that predicted in the documents listed under conditions 1.1 of this consent and to meet the impact assessment criteria detailed in Approved Methods and Guidance for the Sampling and Analysis of Air Pollutants in New South Wales (EPA, 2001). Details of the remedial measures and a timetable for implementation shall be submitted to the Director-General for approval within such period as the Director- General may require, and be accompanied by evidence that the DEC is satisfied that the remedial measures are acceptable.</p>	Determined to be completed in 2016 and 2010 audits.	<ul style="list-style-type: none"> •2013-2015 3 Yearly Environmental compliance External Audit (2016), prepared by Ramboll Environ Australia Pty Ltd. •Environmental Compliance Audit - Uranquinty Power Station (2010), prepared by Golder Associates. 	N/A		Close - no longer applicable

4.5	Environmental Monitoring and Auditing; Noise Monitoring	<p>Within 90 days of the commencement of operation of both Stage 1 and Stage 2 of the development, or as may be agreed by the Director-General, and during a period in which the development is operating under design loads and normal operating conditions, the Applicant shall undertake a program to confirm the noise emission performance of the development. The program shall meet the requirements of the DEC, and shall include, but not necessarily be limited to:</p> <p>a) noise monitoring, consistent with the guidelines provided in the New South Wales Industrial Noise Policy (EPA, 2000), to assess compliance with condition 3.11 of this consent;</p> <p>b) methodologies for noise monitoring;</p> <p>c) location of noise monitoring;</p> <p>d) frequency of noise monitoring;</p> <p>e) identification of monitoring sites at which pre- and post-development noise levels can be ascertained; and</p> <p>f) details of any entries in the Complaints Register (condition 5.3 of this consent) relating to noise impacts.</p> <p>A report providing the results of the program shall be submitted to the Director-General and the DEC with 28 days of completion of the testing required under a).</p>	Advised that noise monitoring has not been requested.	•Interviews with key personnel	N/A		No change
4.6	Environmental Monitoring and Auditing; Noise Monitoring	In the event that the program undertaken to satisfy condition 4.5 of the consent indicates that the operation of the development, under design loads and normal operating conditions, will lead to greater noise impacts than permitted under condition 3.11 of this consent, then the Applicant shall provide details of remedial measures to be implemented to reduce noise impacts to levels required by that condition. Details of the remedial measures and a timetable for implementation shall be submitted to the Director-General for approval within such period as the Director-General may require, and be accompanied by evidence that the DEC is satisfied that the remedial measures are acceptable.	Advised that noise monitoring has not been requested.	•Interviews with key personnel	N/A		No change
4.7	Environmental Monitoring and Auditing; Water Quality Monitoring	The Applicant shall undertaking monitoring of discharge water quality from the stormwater retention pond and the evaporation pond for each of the pollutants and parameters listed in Table 7. Monitoring shall be at the frequency indicated in the Table, and employing the sampling method and units of measure specified.	<p>The UPS EMP identifies water quality monitoring requirements consistent with this condition. Monitoring in accordance with the UPS EMP results provided.</p> <p>Advised that in-situ water quality monitoring is conducted prior to blending events and as per the EMP, sent off-site to a NATA lab monthly. If overflowing stormwater, water is sampled daily (for lab assessments).</p> <p>Where the evaporation pond requires waste to be removed, advised that testing occurs prior to and waste is treated according to results.</p>	<p>•Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS.</p> <p>•Water Quality results (on site and lab)</p> <p>•Inspection Checklist. Doc Ref: UPS-SITE-INSP-ENV.</p>	Compliant		No change
4.8	Environmental Monitoring and Auditing; Auditing	Twelve months after the commencement of operation of Stage 1 of the development, or within such period otherwise agreed by the Director-General, the Applicant shall commission an independent, qualified person or team to undertake a Hazard Audit of the development. The independent person or team shall be approved by the Director- General prior to the commencement of the Audit. A Hazard Audit Report shall be submitted for the approval of the Director-General no later than one month after the completion of the Audit. Further Hazard Audits shall be undertaken every three years, or as otherwise agreed or required by the Director-General. Hazard Audits shall be carried out in accordance with the Department's publication Hazardous Industry Planning Advisory Paper No. 5 - Hazard Audit Guidelines.	A Hazard Audit Report was conducted in April 2019, complying with this condition.	•Sherpa Consulting (2019). Hazard Audit - Uranquinty Power Station. Doc Ref: 21320-RP-001.	Compliant		No change

4.9	Environmental Monitoring and Auditing; Auditing	<p>Twelve months after the commencement of operation of Stage 1 of the development, and every three years thereafter, or as otherwise agreed or required by the Director-General, the Applicant shall commission an independent, qualified person or team to undertake an Environmental Audit of the development. The independent person or team shall be approved by the Director-General prior to the commencement of the Audit. An Environmental Audit Report shall be submitted for the approval of the Director-General within one month of the completion of the Audit. The Audit shall:</p> <p>a) be carried out in accordance with ISO 19011:2002 - Guidelines for Quality and/ or Environmental Management Systems Auditing; b) assess compliance with the requirements of this consent, and other licences and approvals that apply to the development; c) assess the environmental performance of the development against the predictions made and conclusions drawn in the documents referred to under condition 1.1 of this consent; and d) review the effectiveness of the environmental management of the development, including any environmental impact mitigation works.</p> <p>The Director-General may require the Applicant to undertake works to address the findings or recommendations presented in the Report. Any such works shall be completed within such time as the Director-General may require.</p> <p>Note: if the preparation and submission of a Hazard Audit Report and an Environmental Audit Report are required at the same time, the requirements of condition 4.8 and 4.9 of this consent may be satisfied with a single report prepared by a single independent person or team approved by the Director-General.</p>	An audit report for the January 2016 - December 2018 audit period was provided to the Department of Planning and Environment in January 2019. This audit and associated audit report address the January 2019 - December 2021 audit period.	<ul style="list-style-type: none"> •Correspondence between Origin Energy and Department of Planning and Environment (January 2019). •Uranquinty Power Station: 2016-2018 Environmental Compliance Audit (2018), Prepared by E2M Pty Ltd. 	Compliant		No change
5.1	Community Information, Consultation and Involvement	Subject to confidentiality, the Applicant shall make all documents required under this consent available for public inspection on request. This shall include provision of all documents at the site for inspection by visitors, and in an appropriate electronic format on the Applicant's internet site, should one exist.	<p>Folders for public inspection containing documents required under this consent are available in digital format, hard copies can be made available to visitors upon request.</p> <p>All original documentation available in folders, but transitioning to electronic filing and availability on request.</p>	<ul style="list-style-type: none"> •https://www.originenergy.com.au/about/ •Interview with key personnel. 	Compliant		No change
5.2	Community Information, Consultation and Involvement; Complaints Procedure	<p>Prior to the commencement of construction of the development, the Applicant shall ensure that the following are available for community complaints:</p> <p>a) a 24-hour, toll-free telephone number on which complaints about the development may be registered; b) a postal address to which written complaints may be sent; and c) an email address to which electronic complaints may be transmitted.</p> <p>The telephone number, the postal address and the email address shall be advertised in a newspaper circulating in the local government area on at least one occasion prior to the commencement of construction of the development, through such other medium as may be approved by the Director-General. These details shall also be provided on the Applicant's internet site, should one exist.</p>	The UPS EMP provides complaint contact details and is available online. Verified contact details are up to date.	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2 (2021). Doc Ref: GEN-HSE-EMP-UPS. •https://www.originenergy.com.au/about/who-we-are/what-we-do/generation.html 	Compliant		No change

5.3	Community Information, Consultation and Involvement; Complaints Procedure	<p>The Applicant shall record details of all complaints received through the means listed under condition 5.2 of this consent in an up-to-date Complaints Register. The Register shall record, but not necessarily be limited to:</p> <p>a) the date and time, where relevant, of the complaint; b) the means by which the complaint was made (telephone, mail or email); c) any personal details of the complainant that were provided, or if no details were provided, a note to that effect; d) the nature of the complaint; e) any action(s) taken by the Applicant in relation to the complaint, including any follow-up contact with the complainant; and f) if no action was taken by the Applicant in relation to the complaint, the reason(s) why no action was taken.</p> <p>The Complaints Register shall be made available for inspection by the EPA and the Director-General upon request. The Applicant shall also make summaries of the Register, without details of the complainants, available to the public for inspection upon request.</p>	<p>Complaints are recorded in central database (OCIS). All information required by this condition is captured. The Complaints Register can be made available upon request. A Complaints Handling Procedure is followed by Origin.</p>	<ul style="list-style-type: none"> •Review of OCIS. •Interview with key personnel. •Generation Complaints Handling Procedure. Doc Ref: GEN-HSE-PRC-001 	Compliant		No change
5.4	Community Information, Consultation and Involvement; Community Participation Program	<p>Prior to the commencement of construction of Stage 1 of the development, or within such period otherwise agreed by the Director-General, the Applicant shall establish a Community Reference Panel to be consulted during the preparation of the Community Participation Program referred to under condition 5.5 of this consent. The Panel shall be formed to provide input into the Community Participation Program and to provide suggestions and advice to the Applicant on how to tailor its community consultation activities to meet the needs and interests of the local community. In establishing the Community Reference Panel, the Applicant shall:</p> <p>a) place an advertisement in a newspaper circulating in the local government area and covering readers surrounding the site. The advertisement shall invite interested members of the community to be nominated to form part of the Community Reference Panel. A period of no less than 14 days shall be allowed from the date of the advertisement to the close of nominations. The advertisement shall clearly indicate the purpose of the Panel and the role/ responsibilities of the Panel members; b) select suitable nominees to act on the Panel, having regard to the purpose of the Panel and the requirement to represent the broader interests of the local community, particularly: i) landowners and occupiers in the vicinity of the site, with particular reference to the landowners identified in Figure 9.1 of the document referred to under condition 1.1b) of this consent; ii) relevant socio-economic and ethnic groups contributing to the community; and iii) relevant environment, business and community interest groups. c) provide details of those nominees selected for the approval of the Director-General, indicating how the requirements of b) have been satisfied; The Community Reference Panel shall be chaired by an independent person approved by the Director-General.</p>	<p>Determined as compliant in previous audit reports. Advised that the UPS Community Committee meets twice annually, with casual observers welcome to attend, as per UPS EMP. The frequency was modified during the audit period from quarterly to twice annually following feedback from the Community Committee. These changes were documented in the Community Committee Charter.</p>	<ul style="list-style-type: none"> •Interviews with key personnel. •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2 (2021). Doc Ref: GEN-HSE-EMP-UPS. •2013-2015 3 Yearly Environmental compliance External Audit (2016), prepared by Ramboll Environ Australia Pty Ltd. •UPS community Committee Charter (21/3/21). 	Compliant		No change

5.5	Community Information, Consultation and Involvement; Community Participation Program	<p>Prior to the commencement of construction of Stage 1 of the development, or within such period otherwise agreed by the Director-General, the Applicant shall prepare and implement Community Participation Program, on an on-going basis through the construction and operation development, in consultation with the Community Participation Panel established under condition 5.4 of this consent. The Program shall include, but not necessarily be limited to:</p> <p>a) the general types of information about the environmental management and impacts of the development that the community would receive;</p> <p>b) the means by which the information referred to under a) would be provided to the community (for example, presented at regular meetings, published in regular newsletters etc);</p> <p>c) a mechanism through which the community can provide feedback to the Applicant in relation to the environmental management and impacts of the development;</p> <p>d) a system and procedures to address community complaints.</p> <p>The Program shall be submitted for the approval of the Director-General, prior to the commencement of construction of Stage 1 of the development. In submitting the Program, the Applicant shall specifically highlight where input from the Community Reference Panel has been included in the Program, and where input has been excluded, with justification for the exclusion.</p>	<p>Determined as compliant in previous audit reports.</p> <p>Advised that the UPS Community Committee meets twice annually, with casual observers welcome to attend, as per UPS EMP and community Committee Charter.</p>	<ul style="list-style-type: none"> Interviews with key personnel. Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2 (2021). Doc Ref: GEN-HSE-EMP-UPS. 2013-2015 3 Yearly Environmental compliance External Audit (2016), prepared by Ramboll Environ Australia Pty Ltd. UPS community Committee Charter (21/3/21). 	Compliant		No change
6.1	Environmental Management; Environmental Representative	<p>Prior to the commencement of construction of Stage 1 of the development, the Applicant shall nominate a suitably qualified and experienced Environmental Representative(s), for the approval of the Director-General. The Applicant shall employ the Environmental Representative(s) on a full-time basis during the life of the development. The Environmental Representative shall be:</p> <p>a) the primary contact point in relation to the environmental performance of the development;</p> <p>b) the primary interface with the Community Reference Panel required under condition 5.4 of this consent;</p> <p>c) responsible for all Management Plans and Monitoring Programs required under this consent;</p> <p>d) responsible for considering and advising on matters specified in the conditions of this consent, and all other licences and approvals related to the environmental performance and impacts of the development;</p> <p>e) responsible for the management of procedures and practices for receiving and responding to complaints in accordance with condition 5.3 of this consent; and</p> <p>f) given the authority and independence to require reasonable and feasible steps be taken to avoid or minimise unintended or adverse environmental impacts, and failing the effectiveness of such steps, to direct that relevant actions be ceased immediately should an adverse impact on the environment be likely to occur.</p> <p>The Applicant shall notify the Director-General, the EPA, Council and the Community Reference Panel of the name and contact details of the Environmental Representative upon appointment, and any changes to that appointment that may occur from time to time.</p>	<p>An Environmental Representative has been in place throughout the audit period.</p>	<ul style="list-style-type: none"> Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2 (2021). Doc Ref: GEN-HSE-EMP-UPS. Interviews with key personnel. 	Compliant		No change

6.2	Environmental Management; Construction Environmental Management Plan	<p>The Applicant shall prepare and implement a Construction Environmental Management Plan to outline environmental management practices and procedures to be followed during construction of the development. The Plan shall include, but not necessarily be limited to:</p> <ul style="list-style-type: none"> a) a description of all activities to be undertaken on the site during construction including an indication of stages of construction, where relevant; b) statutory and other obligations that the Applicant is required to fulfil during construction including all approvals, consultations and agreements required from authorities and other stakeholders, and key legislation and policies; c) details of how the environmental performance of the construction works will be monitored, and what actions will be taken to address identified adverse environmental impacts. In particular, the following environmental performance issues shall be addressed in the Plan: <ul style="list-style-type: none"> i) measures to monitor and manage dust emissions; ii) measures to monitor and minimise soil erosion and the discharge of sediment and other pollutants to lands and/ or waters during construction activities; iii) measures to monitor and control noise emissions during construction works; iv) measures to monitor and control air emissions during construction to ensure that air emissions are both minimised and in compliance with the requirements of this consent and the Environment Protection Licence for the site; d) a description of the roles and responsibilities for all relevant employees involved in the construction of the development; e) the Management Plans listed under condition 6.3 of this consent; and f) complaints handling procedures during construction. <p>The Plan shall be submitted for the approval of the Director-General no later than onemonth prior to the commencement of any construction works associated with Stage 1 of the development, or within such period otherwise agreed by the Director-General.</p>	This condition was noted as completed in the 2010 audit and is no longer applicable to operations.	2015 Annual Environmental Compliance External Audit (2015), prepared by Golder Associates.	N/A		Close - no longer applicable
6.3	Environmental Management; Construction Environmental Management Plan	<p>As part of the Construction Environmental Management Plan for the development, required under condition 6.2 of this consent, the Applicant shall prepare and implement the following Management Plans:</p> <ul style="list-style-type: none"> a) an Erosion and Sedimentation Management Protocol to ensure that all erosion and sediment controls associated with the development are consistent with Managing Urban Stormwater: Soils and Construction (Landform, 2004). The Plan shall address the requirements of the Department and the EPA shall include, but not necessarily be limited to: <ul style="list-style-type: none"> i) results of investigations into soils associated with the site, in particular the stability of the soil and its susceptibility to erosion; ii) details of erosion, sediment and pollution control measures and practices to be implemented during construction of the development; iii) demonstration that erosion and sediment control measures will conform with, or exceed, the relevant requirements of the Regional Erosion and Sediment Control Policy and Code of Practice adopted by Council; iv) design specifications for diversionary works, banks and sediment basins; v) an erosion monitoring program during construction works associated with the development; and vi) measures to address erosion, should it occur, and to rehabilitate/ stabilise disturbed areas of the site. b) a Noise Management Protocol to detail measures to mitigate and manage noise during construction works. The Protocol shall include, but not necessarily be limited to: <ul style="list-style-type: none"> i) procedures to ensure that all reasonable noise mitigation measures are applied during construction works; ii) construction noise objectives for each relevant receiver commensurate with the noise limits and noise goals specified under this consent; 	This condition was noted as completed in the 2010 audit and is no longer applicable to operations.	2015 Annual Environmental Compliance External Audit (2015), prepared by Golder Associates.	N/A		Close - no longer applicable

6.4	Environmental Management; Construction Environmental Management Plan	Prior to the commencement of construction of Stage 2 of the development, the Applicant shall update the Construction Environmental Management Plan referred to under condition 6.2 of this consent, to reflect any changes to environmental management practice between Stage 1 and Stage 2. The updated Plan shall be submitted for the approval of the Director-General prior to the commencement of construction of Stage 2.	This condition was noted as completed in the 2010 audit and is no longer applicable to operations.	2015 Annual Environmental Compliance External Audit (2015), prepared by Golder Associates.	N/A		Close - no longer applicable
6.5	Environmental Management; Operation Environmental Management Plan	<p>The Applicant shall prepare and implement an Operation Environmental Management Plan to detail an environmental management framework, practices and procedures to be followed during operation of the development. The Plan shall include, but not necessarily be limited to:</p> <p>a) identification of all statutory and other obligations that the Applicant is required to fulfil in relation to operation of the development, including all consents, licences, approvals and consultations;</p> <p>b) a description of the roles and responsibilities for all relevant employees involved in the operation of the development;</p> <p>c) overall environmental policies and principles to be applied to the operation of the development;</p> <p>d) standards and performance measures to be applied to the development, and a means by which environmental performance can be periodically reviewed and improved, where appropriate;</p> <p>e) management policies to ensure that environmental performance goals are met and to comply with the conditions of this consent;</p> <p>f) the Management Plans listed under condition 6.6 of this consent;</p> <p>g) the environmental monitoring requirements outlined under conditions 4.1 to 4.9 of this consent, inclusive.</p> <p>The Plan shall be submitted for the approval of the Director-General no later than one month prior to the commencement of operation of the development, or within such period otherwise agreed by the Director-General. Operation shall not commence until written approval has been received from the Director-General.</p>	<p>This condition was noted as compliant in the 2010, 2015, 2016 and 2018 audits. The Environmental Management Plan, approved by the Department of Planning and Environment in 2018 was prepared to address this condition. This EMP has been recently updated but is yet to be approved by the Department of Planning and Environment.</p> <p>OFI - seek approval from Department</p>	<ul style="list-style-type: none"> •2013-2015 3 Yearly Environmental compliance External Audit (2016), prepared by Ramboll Environ Australia Pty Ltd. •2015 Annual Environmental Compliance External Audit (2015), prepared by Golder Associates. •Environmental Compliance Audit - Uranquinty Power Station (2010), prepared by Golder Associates. •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. •Uranquinty Power Station: 2016-2018 Environmental Compliance Audit (2018), Prepared by E2M Pty Ltd. •Environmental Management Plan (UPS EMP), Rev 11 (2018), Doc Ref: GEN-HSE-EMP-UPS. 	Opportunity for Improvement		No change

6.6	Environmental Management; Operation Environmental Management Plan	<p>As part of the Operation Environmental Management Plan for the development required under condition 6.5 of this consent, the Applicant shall prepare and implement the following Management Plans:</p> <p>a) an Air Quality Management Plan to outline measures to minimise impacts from the development on local and regional air quality. The Plan shall include, but not necessarily be limited to:</p> <p>i) identification of all major sources of particulate and gaseous air pollutants that may be emitted from the development, being both point-source and diffuse emissions, including identification of the major components and quantities of these emissions;</p> <p>ii) monitoring for gaseous and particulate emissions from the development, in accordance with any requirements of the DEC;</p> <p>iii) procedures for the minimisation of gaseous and particulate emissions from the development;</p> <p>iv) pro-active and reactive management and response mechanisms for particulates and gaseous emissions, with specific reference to measures to be implement and actions to be taken to minimise and prevent potential elevated air quality impacts on surrounding land uses as a consequence of meteorological conditions, upsets within the development, or the mode of operation of the development at any time;</p> <p>v) specific procedures for the management of generating efficiency and the minimisation of greenhouse gas emissions per unit of electricity generated;</p> <p>vi) procedures aimed at maximising the efficiency of the start-up and shut-down cycles for the development;</p> <p>vii) provision for regular review of air quality monitoring data, with comparison of monitoring data with that assumed and predicted in the documents listed under condition 1.1 of this consent, including verification of air quality modelling and predictions, as may be relevant;</p>	The UPS EMP has been prepared and implemented to meet this condition and is regularly updated.	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. •Interviews with key personnel 	Compliant		No change
6.7	Environmental Management; Operation Environmental Management Plan	<p>At least one month prior to the operation of Stage 2 of the development, the Applicant shall update and submit for the approval of the Director-General, the Operation Environmental Management Plan referred to under condition 6.5 of this consent. Operation of Stage 2 of the development, shall not commence until the Director-General has approved the updated Plan.</p>	This condition was noted as compliant in the 2010, 2015 and 2016 audit reports.	<ul style="list-style-type: none"> •2013-2015 3 Yearly Environmental compliance External Audit (2016), prepared by Ramboll Environ Australia Pty Ltd. •2015 Annual Environmental Compliance External Audit (2015), prepared by Golder Associates. •Environmental Compliance Audit - Uranquinty Power Station (2010), prepared by Golder Associates. 	Compliant		Close - no longer applicable
7.1	Environmental Reporting; Incident Reporting	The Applicant shall notify the EPA and the Director-General of any incident with actual or potential significant off-site impacts on people or the biophysical environment within 12 hours of becoming aware of the incident. The Applicant shall provide full written details of the incident to the EPA and the Director-General within seven days of the date on which the incident occurred.	Advised that no off-site impacts have occurred within the audit period.	<ul style="list-style-type: none"> •Interview with key personnel. •Review of OCIS extract. 	N/A		No change
7.2	Environmental Reporting; Incident Reporting	<p>The Applicant shall meet the requirements of the Director-General to address the cause or impact of any incident, as it relates to this consent, reported in accordance with condition 7.1 of this consent, within such period as the Director-General may require.</p> <p>Note: Condition 7.2 of this consent does not limit or preclude the EPA from requiring any action to address the cause or impact of any incident, in the context of the EPA's statutory role in relation to the development.</p>	As above.	<ul style="list-style-type: none"> •Interview with key personnel. •Review of OCIS extract. 	N/A		No change

7.3	Environmental Reporting; Annual Performance Reporting	<p>The Applicant shall, throughout the life of the development, prepare and submit for the approval of the Director-General, an Annual Environmental Management Report (AEMR). The AEMR shall review the performance of the development against the Operation Environmental Management Plan (refer to condition 6.5 of this consent), the conditions of this consent and other licences and approvals relating to the development. The AEMR shall include, but not necessarily be limited to:</p> <p>a) details of compliance with the conditions of this consent;</p> <p>b) a copy of the Complaints Register (refer to condition 5.3 of this consent) for the preceding twelve-month period (exclusive of personal details), and details of how these complaints were address and resolved;</p> <p>c) identification of any circumstances in which the environmental impacts and performance of the development during the year have not been generally consistent with the environmental impacts and performance predicted in the documents listed under condition 1.1 of this consent, with details of additional mitigation measures applied to the development to address recurrence of these circumstances;</p> <p>d) results of all environmental monitoring required under this consent and other approvals, including interpretations and discussion by a suitably qualified person; and</p> <p>e) a list of all occasions in the preceding twelve-month period when environmental performance goals for the development have not been achieved, indicating the reason for failure to meet the goals and the action taken to prevent recurrence of that type of incident. The Applicant shall submit a copy of the AEMR to the Director-General every year, with the first AEMR to be submitted no later than twelve months after the commencement of operation of the development. The Director-General may require the Applicant to address certain matters in relation to the environmental performance of the development in response to review of the Annual Environmental Report. Any action required to be undertaken shall be completed within such period as the Director General may require. The Applicant shall make copies of each AEMR available for</p>	The 2019 and 2020 Annual Reports comply with this condition.	<ul style="list-style-type: none"> •Uranquinty Power Station 2019 Annual Environmental Management Report (2020), prepared by Origin Energy. •Uranquinty Power Station 2020 Annual Environmental Management Report (2021), prepared by Origin Energy. 	Compliant		No change
Environmental Protection Licence (EPL)							
A1	Administrative Conditions; What the licence authorises and regulates	A1.1 This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation. Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition.	As per DA 1.1	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. •Interviews with key personnel. •Virtual site audit. 	Compliant		No change
A2	Administrative Conditions; Premises or plant to which this licence applies	A2.1 The licence applies to the following premises: Origin Energy Power Limited. 280 Uranquinty Cross Road, Uranquinty, NSW 2652. Lot 781 DP 878179, Lot 1 DP 1098910. Parish of Yarragundry.	Administrative condition	N/A	N/A		No change
A3	Administrative Conditions; Information supplied to the EPA	A3.1 Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence. In this condition the reference to "the licence application" includes a reference to: <p>a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and</p> <p>b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.</p>	As per DA 1.1	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. •Interviews with key personnel. •Virtual site audit. 	Compliant		No change

P1	Discharges to Air and Water and Applications to Land; Location of monitoring/discharge points and areas	<p>P1.1 The following points referred to in the table below are identified in this licence for the purposes of monitoring and/or the setting of limits for the emission of pollutants to the air from the point.</p> <p>P1.2 The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.</p> <p>P1.3 The following utilisation areas referred to in the table below are identified in this license for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.</p>	The points are identified in the UPS EMP	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. •Interviews with key personnel. •Virtual site audit. 	Compliant		No change
L1	Limit Conditions; Pollution of waters	L1.1 Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997	As per DC 4.7	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. •Water Quality results (on site and lab) •Inspection Checklist. Doc Ref: UPS-SITE-INSP-ENV. 	Compliant		No change
L2	Limit Conditions; Load limits	<p>L2.1 The actual load of an assessable pollutant discharged from the premises during the reporting period must not exceed the load limit specified for the assessable pollutant in the table below.</p> <p>L2.2 The actual load of an assessable pollutant must be calculated in accordance with the relevant load calculation protocol. Note: An assessable pollutant is a pollutant which affects the licence fee payable for the licence.</p>	Results of water quality monitoring reviewed during site audit. UPS EMP outlines load limits.	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. •Water quality results provided (on site sampling and lab analysis). 	Compliant		No change
L3	Limit Conditions; Concentration Limits	<p>L3.1 For each monitoring/discharge point or utilisation area specified in the table\s below (by a point number), the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table.</p> <p>L3.2 Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.</p> <p>L3.3 To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the table\s.</p> <p>L3.4 Air Concentration Limits</p> <p>L3.5 Water and/or Land Concentration Limits</p>	As per DA 3.5	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. •Emission Testing Report (2020). Prepared by Ektimo. Doc Ref: R006913 •Emission Testing Report (2021), Prepared by Ektimo. Doc Ref: R009982 •Interviews with key personnel •Virtual site audit 	Compliant		No change

L4	Limit Conditions; Noise Limits	<p>L4.1 Noise from the premises must not exceed the sound pressure level (noise) limits presented in the Table below.</p> <p>Note: For the purposes of Condition L4.1, the noise limits do not apply during the testing operations undertaken in accordance with the Operational Environmental Management Plan Short Term Noise Measurement Procedure April to October 2011, approved by the EPA.</p> <p>Note: • The noise limits represent the sound pressure level (noise) contribution, at the nominated receiver locations in the table, as a result of activities on the premises.</p> <ul style="list-style-type: none"> • The noise limits in the table do not apply to “any residence” for which the owner is party to, or otherwise subject to, an agreement or other legal instrument which permits noise levels higher than those specified (a negotiated agreement). • Location names correspond with the properties identified by these names in the Environmental Impact Statement, Proposed Wagga Wagga Gas Fired Power Station, 2004. • Day is defined as the period from 7am to 6pm Monday to Saturday and 8am to 6pm Sundays and Public Holidays. • Evening is defined as the period from 6pm to 10pm. • Night is defined as the period from 10pm to 7am Monday to Saturday and 10pm to 8am Sundays and Public Holidays. <p>Noise levels in the above table apply at any point within the residential boundary, or at any point within 30 metres of the dwelling where the dwelling is more than 30 metres from the boundary. Where it can be demonstrated that direct measurement of noise from the premises is impractical, the EPA may accept alternative means of determining compliance. See Chapter 11 of the NSW Industrial Noise Policy.</p> <p>The modification factors presented in Fact Sheet C of the Noise Policy for Industry (EPA 2017) shall also be applied to the measured noise levels where applicable.</p> <p>The noise emission limits identified in the table apply under meteorological conditions of wind speed up to 3 metres per second (measured at 10 metres above ground level), or</p>	As per DA, 3.10, DA3.11 and DA 3.7.	<p>•Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS.</p> <p>•Virtual site audit</p> <p>•Interview with key personnel</p>	Compliant		No change
L5	Limit Conditions; Potentially offensive odour	<p>The licensee must not cause or permit the emission of offensive odour beyond the boundary of the premises.</p> <p>Note: Section 129 of the Protection of the Environment Operations Act 1997, provides that the licensee must not cause or permit the emission of any offensive odour from the premises but provides a defence if the emission is identified in the relevant environment protection licence as a potentially offensive odour and the odour was emitted in accordance with the conditions of a licence directed at minimising odour.</p>	As per DA 3.2	<p>•Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS.</p> <p>•Interview with key personnel.</p> <p>•UPS-SITE-INSP-ENV-01Y</p>	Compliant		No change
L6	Limit Conditions; Other limit conditions	<p>L6.1 Natural gas is the only fuel approved for routine firing of the power station turbines.</p> <p>L6.2 Low sulphur diesel is approved for firing the power station turbines in emergencies when the natural gas supply has been disrupted.</p> <p>L6.3 Operation of the turbines on diesel fuel must not exceed a total of 70 hours per year.</p>	As per DA 3.4	<p>•Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS.</p> <p>•Interviews with key personnel.</p>	N/A		No change
O1	Operating Conditions; Activities must be carried out in a competent manner	<p>O1.1Licensed activities must be carried out in a competent manner. This includes:</p> <p>a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and</p> <p>b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.</p>	As per DA 6.5, DA 6.6	<p>•Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS.</p> <p>•Interviews with key personnel</p>	Compliant		No change
O2	Operating Conditions; Maintenance of plant and equipment	<p>O2.1All plant and equipment installed at the premises or used in connection with the licensed activity:</p> <p>a) must be maintained in a proper and efficient condition; and</p> <p>b) must be operated in a proper and efficient manner.</p>	As per DA 6.5, DA 6.6	<p>•Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS.</p> <p>•Interviews with key personnel</p>	Compliant		No change

O3	Operating Conditions; Effluent application to land	O3.1 Waste water utilisation areas must effectively utilise the waste water applied to those areas. This includes the use for pasture or crop production, as well as ensuring the soil is able to absorb the nutrients, salts, hydraulic load and organic materials in the solids or liquids. Monitoring of land and receiving waters to determine the impact of waste water application may be required by the EPA.	Irrigation as per UPS EMP. Irrigation area viewed during the virtual site visit. Visual monitoring for irrigation. General maintenance occurred during the audit period (Sprinkler head replacement etc).	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. •Virtual site audit •Water quality results 	Compliant		No change
O4	Operating Conditions; Processes and management	O4.1A Stormwater Management Scheme must be prepared for the development and must be implemented. Implementation of the Scheme must mitigate the impacts of stormwater runoff from and within the premises following the completion of construction activities. The Scheme should be consistent with the Stormwater Management Plan for the catchment. If a Stormwater Management Plan has not yet been prepared the Scheme should be consistent with the guidance contained in Managing Urban Stormwater: Council Handbook (available from the EPA).	Stormwater management included in the UPS EMP.	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. 	Compliant		No change
M1	Monitoring and Recording Conditions; Monitoring records	<p>M1.1 The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.</p> <p>M1.2 All records required to be kept by this licence must be:</p> <p>a) in a legible form, or in a form that can readily be reduced to a legible form;</p> <p>b) kept for at least 4 years after the monitoring or event to which they relate took place; and</p> <p>c) produced in a legible form to any authorised officer of the EPA who asks to see them</p> <p>M1.3 The following records must be kept in respect of any samples required to be collected for the purposes of this licence:</p> <p>a) the date(s) on which the sample was taken;</p> <p>b) the time(s) at which the sample was collected;</p> <p>c) the point at which the sample was taken; and</p> <p>d) the name of the person who collected the sample</p>	The UPS EMP outlines records management. Hard copy records are available on site, all records are kept electronically.	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. •Evidence of results •Interviews with key personnel 	Compliant		No change
M2	Monitoring and Recording Conditions; Requirement to monitor concentration of pollutants	M2.1 For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:	As per DA 6.6	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. •Evidence of results •Interviews with key personnel 	Compliant		No change
M3	Monitoring and Recording Conditions; Testing methods - concentration limits	<p>M3.1 Monitoring for the concentration of a pollutant emitted to the air required to be conducted by this licence must be done in accordance with:</p> <p>a) any methodology which is required by or under the Act to be used for the testing of the concentration of the pollutant; or</p> <p>b) if no such requirement is imposed by or under the Act, any methodology which a condition of this licence requires to be used for that testing; or</p> <p>c) if no such requirement is imposed by or under the Act or by a condition of this licence, any methodology approved in writing by the EPA for the purposes of that testing prior to the testing taking place.</p> <p>M3.2 Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted.</p> <p>Note: The Protection of the Environment Operations (Clean Air) Regulation 2021 requires testing for certain purposes to be conducted in accordance with test methods contained in the publication "Approved Methods for the Sampling and Analysis of Air Pollutants in NSW".</p>	As per DA 4.2	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. •Emission Testing Report (2020). Prepared by Ektimo. Doc Ref: R006913 •Emission Testing Report (2021), Prepared by Ektimo. Doc Ref: R009982 	Compliant		No change

M4	Monitoring and Recording Conditions; Testing Methods - Load Limits	Note: Division 3 of the Protection of the Environment Operations (General) Regulation 2021 requires that monitoring of actual loads of assessable pollutants listed in L2.2 must be carried out in accordance with the relevant load calculation protocol set out for the fee-based activity classification listed in the Administrative Conditions of this licence.	NA	Administrative condition	N/A		No change
M5	Monitoring and Recording Conditions; Weather monitoring	M5.1 Equipment must be installed for the purpose of collecting and analysing meteorological data at the premises as specified in the table below. Monitoring (by sampling and obtaining results by analysis) must be carried out for the parameters specified in Column 1 using the sampling method, units of measure, averaging period and sampling at the frequency specified opposite in the other columns.	As per DA 3.6	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2. (2021), Doc Ref: GEN-HSE-EMP-UPS. •Inspection Checklist. Doc Ref: UPS-Site-Insp-ENV-01Y •Virtual site audit 	Compliant		No change
M6	Monitoring and Recording Conditions; Recording of pollution complaints	<p>M6.1 The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.</p> <p>M6.2 The record must include details of the following:</p> <p>a) the date and time of the complaint;</p> <p>b) the method by which the complaint was made;</p> <p>c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;</p> <p>d) the nature of the complaint;</p> <p>e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and</p> <p>f) if no action was taken by the licensee, the reasons why no action was taken.</p> <p>M6.3 The record of a complaint must be kept for at least 4 years after the complaint was made.</p> <p>M6.4 The record must be produced to any authorised officer of the EPA who asks to see them</p>	As per DA 5.3	<p>Review of OCIS.</p> <p>Interview with key personnel.</p> <ul style="list-style-type: none"> •Generation Complaints Handling Procedure. Doc Ref: GEN-HSE-PRC-001 	Compliant		No change
M7	Monitoring and Recording Conditions; Telephone complaints line	<p>M7.1 The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.</p> <p>M7.2 The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.</p> <p>M7.3 The preceding two conditions do not apply until 3 months after:</p> <p>a) the date of the issue of this licence or</p> <p>b) if this licence is a replacement licence within the meaning of the Protection of the Environment Operations (Savings and Transitional) Regulation 1998, the date on which a copy of the licence was served on the licensee under clause 10 of that regulation.</p>	As per DA 5.2	<ul style="list-style-type: none"> •Uranquinty Power Station Environmental Management Plan (UPS EMP), Rev 11.2 (2021). Doc Ref: GEN-HSE-EMP-UPS. •https://www.originenergy.com.au/about/who-we-are/what-we-do/generation.html 	Compliant		No change

R1	Reporting Conditions; Annual return documents	<p>R1.1 The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:</p> <p>1. a Statement of Compliance,</p> <p>2. a Monitoring and Complaints Summary,</p> <p>3. a Statement of Compliance - Licence Conditions,</p> <p>4. a Statement of Compliance - Load based Fee,</p> <p>5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan,</p> <p>6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and</p> <p>7. a Statement of Compliance - Environmental Management Systems and Practices.</p> <p>At the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.</p> <p>R1.2 An Annual Return must be prepared in respect of each reporting period, except as provided below.</p> <p>R1.3 Where this licence is transferred from the licensee to a new licensee:</p> <p>a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and</p> <p>b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.</p> <p>R1.4 Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on:</p> <p>a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or</p> <p>b) in relation to the revocation of the licence - the date from which notice revoking the</p>	As per DA 7.3	<ul style="list-style-type: none">•Uranquinty Power Station 2019 Annual Environmental Management Report (2020), prepared by Origin Energy.•Uranquinty Power Station 2020 Annual Environmental Management Report (2021), prepared by Origin Energy.	Compliant		No change
R2	Reporting Conditions; Notification of environmental harm	<p>R2.1 Notifications must be made by telephoning the Environment Line service on 131 555</p> <p>R2.2 The licensee must provide written details of the notification to the EPA within 7 days of the date on which they became aware of the incident.</p> <p>Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.</p>	As per DA 7.1	<ul style="list-style-type: none">•Interview with key personnel.•Review of OCIS extract.	N/A		No change

R3	Reporting Conditions; Written report	<p>R3.1 Where an authorised officer of the EPA suspects on reasonable grounds that:</p> <p>a) where this licence applies to premises, an event has occurred at the premises; or</p> <p>b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence, and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.</p> <p>R3.2 The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.</p> <p>R3.3 The request may require a report which includes any or all of the following information:</p> <p>a) the cause, time and duration of the event;</p> <p>b) the type, volume and concentration of every pollutant discharged as a result of the event;</p> <p>c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event;</p> <p>d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort;</p> <p>e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants;</p> <p>f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and</p> <p>g) any other relevant matters.</p> <p>R3.4 The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.</p>	Advised no request issued.	•Interviews with key personnel.	N/A		No change
G1	General Conditions; Copy of licence kept at the premises or plant	<p>G1.1 A copy of this licence must be kept at the premises to which the licence applies.</p> <p>G1.2 The licence must be produced to any authorised officer of the EPA who asks to see it.</p> <p>G1.3 The licence must be available for inspection by any employee or agent of the licensee working at the premises.</p>	As per DA 5.1	<p>https://www.originenergy.com.au/about/who-we-are/what-we-do/generation.html.</p> <p>Interview with key personnel</p>	Compliant		No change