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**INDEPENDENT
ENVIRONMENTAL AUDIT
REPORT**



700 Great Western Highway, Bungarribee, NSW
2767

Sydney Zoo
11 June 2024

AU123208 R1

Quality Management

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This report was prepared in accordance with the scope of services set out in the contract between Geosyntec Consultants Pty Ltd (ABN 23 154 745 525) and the client.

Executive Summary

Geosyntec Consultants Pty Ltd (Geosyntec) was engaged by Sydney Zoo (Zoo) to conduct an Independent Environmental Audit (IEA) of the development site, located on 700 Great Western Highway, Bungaribee, NSW 2767 ('the site'), which is also referred to as Sydney Zoo.

The boundary of the site covered by this IEA is provided in Appendix A and occupies an area of approx. 16 ha.

This audit is the first operational IEA of the operational phase for the project. The purpose of the IEA is to provide an independent and objective assessment of the environmental performance and compliance of the operation phase of the approved development at the site.

The overall objective of the Audit is to confirm compliance with Independent Environmental Audit Conditions D11 and D12 of the NSW Department of Planning and Environment (DP&E) ¹ State Significant Development Approval (SSD 7228) ('SSD Approval') issued 5 December 2023 (Mod 11).

The IEA was conducted in accordance with the NSW Government (May 2020) Independent Audit Post Approval Requirements. The site inspection was conducted on 17 April 2024.

A total of 175 items were assessed as part of SSD consent conditions. A summary of the findings is provided as follows:

- Number of compliances = 96 items
- Number of non-compliances = 3 items
- Number of non-triggered = 76 items

A total of 55 items were assessed in reviewing the implementation and compliance with Site's operational environmental management plans. A summary of the findings is provided as follows:

- Number of compliances = 40 items
- Number of non-compliances = 6 items
- Number of non-triggered = 9 items

A discussion of IEA findings is presented in this document. The Auditor also provides recommendations on opportunities for improvement.

¹ Now Department of Planning, Housing and Infrastructure (DPHI)

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Glossary

Term	Description
Audit	Systematic, independent and documented process for obtaining objective evidence and evaluating it objectively to determine the extent to which the audit criteria are fulfilled (ISO 19011:2018). For the purpose of this report, Audit refers to an Independent Environmental Audit in accordance with the NSW Government (May 2020) Independent Audit Post Approval Requirements
Audit criteria	Set of requirements used as a reference against which objective evidence is compared.
Audit evidence	Records, statements of fact or other information which are relevant to the audit criteria and verifiable.
Audit findings	Results of the evaluation of the collected audit evidence against audit criteria.
Audit conclusion	Outcome of an Audit after consideration of the Audit objectives and all audit findings.
Auditee	Organisation being audited.
Audit Program	Audit Schedule and Audit Table as defined in NSW Government (June 2020) prepared by Geosyntec prior to the commencement of the Audit.
Auditor	Person(s) who conduct(s) the Audit, as defined in this report. Lead Auditor and Auditor in Training
Audit Team	One or more persons conducting the Audit, supported if needed by technical experts.
Authorised Reporting Officer	A director, executive, employee or office of the proponent who is authorised by the proponent to submit formal reporting on the proponent's behalf.
Competence	Ability to apply knowledge and skills to achieve intended results.
Compliant	The Auditor has obtained sufficient evidence to demonstrate that the specific item being audited has been satisfied to the objective of the Audit.
CSSI	Critical State Significant Infrastructure
DoEE	The Commonwealth Department of the Environment and Energy administering the EPBC Act, and includes the Minister for the DoEE
DP&E	NSW Department of Planning and Environment (previously DPIE)
DPIE	NSW Department of Planning, Industry and Environment
DPHI	NSW Department of Planning, Housing and Infrastructure (previously DPIE and DP&E)
EIS	Environmental Impact Statement
Environmental Representative (ER)	A suitably qualified and experienced person independent of project design and construction personnel employed for the duration of Construction, who will be the principal point of advice in relation to all questions and complaints concerning environmental performance.
EP&A Act	NSW Environmental Planning and Assessment Act 1979
EPBC Act	Commonwealth Environment Protection and Biodiversity Conservation Act 1999
EPL	NSW Environment Protection Licence under the Protection of the Environment Operations Act 1997
Federal CoA	Federal DoEE Condition of Approval
Incident	An occurrence or set of circumstances that causes, or threatens to cause material harm and which may or may not be or cause a non-compliance.
Minister	Minister of DPHI or delegate.
NSW CoA	NSW DPHI Condition of Approval
Non-compliant	The Auditor has not obtained sufficient evidence to demonstrate that the specific item being audited has been satisfied to the objective of the Audit.
Not triggered	The specific item has not been activated at the time of the Audit and therefore, the Audit was not completed for the item.

Term	Description
Planning Secretary	The Planning secretary under the EP&A Act or nominee.
PoEO Act	NSW Protection of the Environment Operations Act 1997
Post approval document	A document required by conditions of consent, including Environmental Management Plans and Sub-plans.
Predicted impact	Predicted impacts described in the Environmental Impact Assessment documents that comprise the approved project (if available).
Project	As per definition in Section 1
Proponent	The person or entity that is referred to as the proponent in an approval or the applicant in a consent or any other person carrying out any part of the development to which the approval or consent applies.
Risk	Effect of uncertainty.
Site	As per definition in Section 1
State significant projects	Means any of the following in accordance with the EP&A Act: <ul style="list-style-type: none"> • State significant development projects • State significant infrastructure projects, including critical State significant infrastructure projects • Transitional Part 3A projects • Part 4 projects for which the Minister is the consent authority

1 Introduction

Geosyntec Consultants Pty Ltd (Geosyntec) was engaged by Sydney Zoo ('the Zoo') to conduct an Independent Environmental Audit (IEA) of the development site, located on 700 Great Western Highway, Bungarribee, NSW 2767 ('the site'). The development is also referred to as Sydney Zoo.

The boundary of the site covered by this IEA is provided in Appendix A and occupies an area of approximately 16 ha.

1.1 Background, Purpose and Objective of Audit

The site is located within Lot 11 DP 1247378 (previously Lot 11 in Lot 101 DP 1195067). The Sydney Zoo construction commenced in 2017 and completed in December 2019. The site now is a zoological facility located within the Western Sydney and houses over 4,000 animals and a ferris wheel.

The purpose of the IEA is to provide an independent and objective assessment of the environmental performance and compliance status of the operational phase of the approved development. This audit is the initial Operational Audit. Under the site SSD, the site is required to conduct IEA every three years from the previous IEA audit (February 2020).

The overall objective of the Audit is to confirm compliance with Independent Environmental Audit Conditions D11 to D12 of the NSW Department of Planning and Environment (DP&E)² State Significant Development Approval (SSD 7228) ('SSD Approval') issued on 5 December 2023 (Mod11), which state:

AUDITING

- D11.** Within two years of the date of this consent, and every three years thereafter, unless the [Planning Secretary](#) directs otherwise, the Applicant shall commission and pay the full cost of an Independent Environmental Audit of the Development. The audit shall:
- be conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the [Planning Secretary](#);
 - include consultation with the relevant agencies;
 - assess the environmental performance of the Development and assess whether it is complying with the requirements of this consent and any other relevant approvals (including any assessment, plan or program required under these approvals);
 - review the adequacy of any approved strategy, plan or program required under the abovementioned consents; and
 - recommend measures of actions to improve the environmental performance of the Development, and/pr strategy, plan or program required under these consents.

Note: This audit team shall be led by a suitably qualified auditor and include relevant experts in any other fields specified by the [Planning Secretary](#).

- D12.** Within three months of commissioning this audit, or as otherwise agreed by the [Planning Secretary](#), the Applicant shall submit a copy of the audit report to the [Planning Secretary](#), together with its response to any recommendations contained within the audit report.

This Independent Environment Audit was conducted in accordance with the requirements of the NSW Government (May 2020) Independent Audit Post Approval Requirements (IAPAR).

² Now Department of Planning, Housing and Infrastructure (DPHI)

1.2 Audit Team

The Audit team comprised the following Geosyntec personnel:

Table 1.1. Audit Team

Name	Role
Dr Cheryl Halim	Lead Auditor <ul style="list-style-type: none"> Exemplar Global Lead Auditor (Environmental Management Systems Auditor) (C-464022) NSW EPA Accredited Site Auditor (under Contaminated Land Management Act) (No. 2201) BE (Chemical) PhD (Chemical Engineering)
Lia Young	Auditor <ul style="list-style-type: none"> BE (Chemical) PhD (Chemical Engineering)

The Audit Team Declaration is provided in Appendix B.

1.3 Audit Scope

1.3.1 Audit Scope (Physical and Temporal Boundaries)

The physical and temporal boundaries of the current IEA are as follows:

- Physical boundary: The site is approximately 16 ha and located within Lot 11 DP 1247378. The boundary of this Audit is shown in the site plan included in Appendix A. The Audit also included observation of the general surrounding area.
- Temporal boundary of the audit is for the duration of the operation phase only (since the commencement of the operation).

1.3.2 Audit Criteria (Audit Works)

The Audit criteria are identified by the conditions for SSD 7228 and the requirements outlined in the NSW Government (May 2020) Independent Audit Post Approval Requirements.

The Audit Table (Appendix F) presents the requirements to evaluate during the Audit including:

- An assessment of compliance with the Conditions of Consent and other relevant approvals and licences
- An assessment of environmental performance of the site, including:
 - Assessment of actual impacts compared to predicted impacts documented in the Environmental Impact Statement (EIS) and Return to Submission (RTS) documents.
 - Assessment of any incidents, non-compliances and complaints that have occurred on the project.
 - Assessment of any feedback received by DPPI, other agencies and stakeholders (as appropriate)
 - Assessment of performance of the development having regard to agency policy and any particular environmental issues identified through consultation carried out when developing the Audit scope.

- A high-level assessment of the adequacy of the Project's operational environmental management plan (CEMP) and sub plans and their implementation.

1.4 Audit Period

This Audit comprises the initial operational IEA for the site and covers a review period from the commencement of the operation (5 December 2019), to the time of the site inspection/audit (17 April 2024), and the date this final report.

1.5 Environmental Representative

Peter Thiel from Sydney Zoo was the Environmental Representatives for this Audit, who assisted Geosyntec during this Audit process.

Other on duty, zoo staff also assisted Geosyntec during the Audit process.

2 Audit Methodology

2.1 Auditor Notification to DPHI

The Environmental Audit team was approved by DPHI in a letter attached in Appendix C.

2.2 Development of Audit Scope – Independent Audit Program

The Audit scope was prepared in general accordance with AS/NZS ISO 19011:2018 Guidelines for Auditing Management Systems, which is listed in Section 1.4 and documented in the Audit Table provided in Appendix F.

2.3 Site Audit Process

The Audit comprised:

1. Opening meeting
2. Review of evidence of consultation with identified stakeholders
3. Closing meeting
4. Issue of Draft Independent Environment Audit report
5. Review of additional information (if any)
6. Finalisation of Independent Environment Audit

2.3.1 Opening Meeting

The opening meeting was conducted onsite on 17 April 2024. The agenda for the meeting and the record of attendees is provided in Appendix D.

2.3.2 Sources of Information to Assess Compliance to Audit Program

Sources of information reviewed to assess compliance to the audit program included:

- Review of project records, documentation and reports.
- Interview with key project personnel (available during site inspection) and post site inspection follow up.
- Site walkover and inspection for implementation of environmental controls.
- Review of complaints registers for the project.

2.3.3 Closing Meeting

The closing meeting was held on 19 April 2024. It was agreed that the closing meeting could be conducted via email correspondence from Geosyntec, which provided an overview of key findings and timing for the Audit Report. The closing meeting email provided preliminary findings of the Audit.

2.3.4 Issue of Independent Environment Audit Report

The Draft Independent Environmental Audit Report was issued on 6 June 2024.

2.3.5 Finalisation of Independent Environment Audit Report

The IEA report was finalised on 11 June 2024.

2.4 Interviews

The following Zoo personnel were interviewed during the Audit onsite:

- Peter Thiel (The Zoo Chief Operating Officer)
- Other staff on duty around the zoo

2.5 Site Inspection

The site inspection was conducted by Cheryl Halim and Lia Young on 17 April 2024, accompanied by the Chief Operating Officer (Peter Thiel). The site inspection comprised a walkover of the site, including the perimeter of the site.

2.6 Consultation

Geosyntec conducted consultation with DPHI and Blacktown Council (Council) via email. Evidence of consultation is provided in Appendix C.

The outcome of the consultation is provided in Section 3.8.

2.7 Compliance Status Descriptors

The findings of the Audit have been divided into the following categories:

Table 2.1. Compliance Evaluation

Assessment	Criteria
Compliant	Sufficient verifiable evidence is available to demonstrate that all elements of the requirement have been met
Non-Compliant	One or more specific elements of the conditions or requirements have not been met
Not-Triggered	A requirement has an activation of timing trigger that has not been met at the time of the audit, therefore compliance is not relevant. Items not considered for Independent Environment Audit have also been recorded as "Non-Triggered."

3 Audit Findings

3.1 Approvals and Documents Audited

The following documents were audited:

Table 3.1. Audited Documents

SSD Reference	Document Details
Environmental Impact Statement (EIS)	JBA (December 2015) Sydney Zoo SSD 7228 Environmental Impact Statement. Sydney Zoo. Bungarribee Park (Western Sydney Parklands)
SSD 7228 Development Consent	SSD-7228-Mod-11 dated 5 December 2023
C5 Operational Traffic Management Plan	The Transport Planning Partnership Pty Ltd (TTPP) (21 March 2023) Operational Transport Management Plan (Rev F4)
C6 Work Place Travel Plan	Ethos Urban (29 November 2018) Work Place Travel Plan
C8 Community Engagement Plan	Ethos Urban (24 November 2017) Community Consultation and Engagement Plan (Rev 2)
C12 Water Quality Monitoring Program	Consulting Earth Scientist (18 December 2017) Proposed Water Quality Monitoring Programme. Sydney Zoo site, Bungarribee Super Park, Doonside NSW.
C15 Biodiversity Management Plan	ecological Australia (October 2017) Sydney Zoo – Bungarribee South Biodiversity Management Plan and Cumberland Plain Woodland Management Plan (Rev 3)
C16 Cumberland Plan Woodland Plan of Management	ecological Australia (October 2017) Sydney Zoo – Bungarribee South Biodiversity Management Plan and Cumberland Plain Woodland Management Plan (Rev 3)
C21 Aboriginal Cultural Experience Management Plan	Muru Mittigar (5 November 2018) Sydney Zoo. Aboriginal cultural experience strategy
C24 Heritage Interpretation Plan	artefact (26 November 2018) Sydney Zoo, Bungarribee Precinct. Heritage Interpretation Plan
C38 Waste Management Plan	SLR (3 December 2015) Western Zoo Waste Management Plan (Rev 1)
D4 Operational Environmental Management Plan (OEMP)	Ethos Urban (5 April 2019) Sydney Zoo Operational Environmental Management Plan (Rev E)
D5 Operational Air Quality Management Plan.	Not applicable in the absence of composting facility on site.

Other supporting documents reviewed are provided in the Audit Table in Appendix F.

3.2 Summary of Assessment of Compliance

A total of 175 items were assessed as part of SSD consent conditions. A summary of the findings is provided as follows:

- Number of compliances = 96 items
- Number of non-compliances = 3 items
- Number of non-triggered = 76 items

In addition, assessment of 55 items with regard to the implementation and compliance with the site's operational environmental management plans was conducted. A summary of the findings is provided as follows:

- Number of compliances = 40 items
- Number of non-compliances = 6 items
- Number of non-triggered = 9 items

3.3 Agency Notices, Orders, Penalty Notices or Prosecutions During Audit Period

The Zoo confirmed that no agency notices, orders, penalty notices or prosecutions were received during the Audit period.

3.4 Discussion of Non-Compliances

Details of the identified non-compliances to the SSD consent conditions is provided in Table 3.2 and the non-compliances to the OEMP, and sub-plans are provided in Table 3.3.

Table 3.2. Non-Compliances to SSD Consent Conditions

Geosyntec ID	SSD Condition No. / Management Plan Section	Requirement	Details of Non-Compliance	Recommendations
G71	C32B	Condition C32B(b) of the Consent requires that the Noise Verification Report for the Development must be prepared in consultation with the Council.	This item was considered as non-compliant by the Planning Secretary because consultation with Blacktown City Council did not occur until 14 July 2020, after submission of the initial Report to the department on 28 May 2020. This is non-compliant with Condition C32B(b) of the Consent, which requires that the report must be prepared in consultation with Council. The non-compliance has been assessed in accordance with the department's Compliance Policy. It is noted that DPHI had assessed this non-compliance and has deemed the non-compliance not to require further action.	No recommendation was made as DPHI has deemed that no further action was required.
G72	C32C	A Noise Verification Report must be submitted to the satisfaction of the Planning Secretary within three months of the conclusion of the first twilight concert event held at the site.	This item was considered non-compliant because Noise Verification Report was not conducted within three months of the first twilight concert. However, it is noted no complaint was recorded for the first twilight concern that that a noise verification had been conducted since then.	No recommendation was made based on the outcome of the RWDI (6 July 2022) noise verification report.
G106	D11	Within two years of the date of this consent, and every three years thereafter, unless the Planning Secretary directs otherwise, the Applicant shall commissions and pay the full cost of an Independent Environmental Audit of the Development.	This item is considered as non-compliant because the Audit was not completed within 3 years of previous audit. It is understood that Sydney Zoo has consulted with DPHI on the late commencement of the Audit.	The next operation Audit shall be completed within 3 years from the issue of this final report.

Table 3.3. Non-Compliances to OEMP and Sub-plans

Geosyntec ID	Document	Management Plan Section	Requirement	Details of Non-Compliance	Recommendations
G200	Work Place Travel Plan (WPTP)	Section 4 Table 6 Annual Survey	Conduct travel surveys via an online survey emailed to all workers to determine if the objectives of the Work Place Travel Plan are being met.	This item is considered as non-compliant as formal worker travel survey has not been conducted.	Workers travel surveys should be conducted to determine if the objectives of the Work Place Travel Plan are being met, or this requirement should be removed from the Work Place Travel Plan.
G214	Waste Management Plan (WMP)	Section 6.9.5	Waste pharmaceuticals, drugs and medicines and various waste chemicals, and cytotoxic wastes, identified by the EPA in Table 1 of their "Waste Tracking Fact Sheet – waste that must be tracked" must be tracked when transported within NSW or interstate, unless subject to certain exemptions.	This item is considered as non-compliant because clinical waste tracking documents could not be sighted., noting that tracking of clinical waste is required by the Protection of the Environment Operations (Waste) Regulation 2014. It is noted that a few Med-X service dockets for Flicks for clinical waste disposal were provided and the Zoo is in the process of changing waste contractor.	The Zoo should ensure that waste collector complies with the Environment Operations (Waste) Regulation 2014 and tracking document is retained for 4 years.
G219	Waste Management Plan (WMP)	Section 6.12	Records should be kept of all animal carcass disposals and cytotoxic waste movements.	This item is considered as non-compliant because disposal records of animal carcasses could not be sighted.	Disposal records for all waste (including animal carcasses) should be retained in file.
G220	Waste Management Plan (WMP)	Section 6.12.1	Clinical and related wastes will need to be tracked in accordance with EPA requirements, unless subject to certain exemptions. A consignment authority (CA) is required for waste tracking purposes and subject to approval by the EPA. A copy of each waste TC (transport certificate) must also be retained for a period of 4 years.	This item is considered as non-compliant because clinical waste tracking documents, consignment authority, and waste transport certificate could not be sighted. It is noted that the Zoo is in the process of changing waste contractor.	Consignment Authority and waste transport certificate must be retained for a period of 4 years. Waste collector must comply with the Environment Operations (Waste) Regulation 2014.
G227	Biodiversity Management Plan and Cumberland Plain Woodland Management Plan (BMP and CPWMP)	Section 6. Monitoring, reporting and review	The ER will undertake monitoring and provide monitoring reports and assessments against the performance criteria, with the Bush Regeneration contractor to provide progress reports describing works undertaken.	This item is considered non-compliant as the monitoring report required by the Biodiversity Management Plan and Cumberland Plain Woodland Management Plan has not been conducted. However, it is noted a correspondence by Western Sydney Parklands Trusts was sighted that confirms that the WSPT would take over the bushland management.	An Updated Biodiversity Management Plan and Cumberland Plain Woodland Management Plan should be prepared, which provides an updated management requirements and the responsibilities for Sydney Zoo and the WSPT.
G228	Aboriginal cultural	Summary of Aboriginal	Muru Mittigar will establish an Aboriginal	This condition is considered non-compliant because a few	The Aboriginal Cultural Experience Strategy

Geosyntec ID	Document	Management Plan Section	Requirement	Details of Non-Compliance	Recommendations
	experience strategy (ACES)	cultural experience commitments	Advisory Group for Sydney Zoo. This group will provide Muru Mittaggar and Sydney Zoo with expert advice on the Darug Cultural Experience, cultural tourism, Aboriginal pre-employment, traineeship and employment opportunities	items that need to be completed by Muru Mittaggar could not be completed as Muru Mittaggar were terminated because they were unable to continue to provide the required service of employing staff on zoo behalf.	should be reviewed to confirm the updated strategy and any revision must be submitted to the Planning Secretary.

3.5 Assessment from Previous Audits

There is no previous Operation Audit for the site. Details of recommendations from the previous Construction Audit considered relevant to the operational phase and how they were addressed are provided in Table 3.4.

Table 3.4. Assessment of Previous Audits

Recommendation from Previous Audit	How The Recommendations Have Been Addressed	Auditor's Assessment
<p>Documentations to satisfy SSD conditions and CEMP were not readily available for review during the Audit. The Auditor recommends that applicable documents to demonstrate the relevant SSD conditions and OEMP be collated to assess compliance during the operation phase. This should include (but not limited to):</p> <ul style="list-style-type: none"> documents relating to environmental management system of the zoo, any other documents to demonstrate compliance to OEMP (e.g. training records, induction records, complaints register, compliance records, corrective actions, incident records, equipment maintenance records, etc.). 	<p>The majority of documents required for the current audit were available to be sighted.</p>	<p>The Auditor considers that the Zoo generally has an adequate record keeping approach to demonstrate compliance to the audit. It is noted that the majority of the non-compliances were associated with the unavailability of waste documents, which are managed by third party contractors. Recommendations were made in Table 3.3 to ensure that the new waste disposal contractor will provide the records to the Zoo.</p>
<p>Demonstration of effectiveness of mulching as sediment and erosion control will be required at subsequent audits.</p>	<p>During the site audit, sediment fencing was observed to be installed on part the site fence at the back of the site. No unacceptable sediment runoff was observed, noting that the grass outside the fence was observed to be overgrown.</p>	<p>The Auditor considers this item has been addressed.</p>
<p>The unpaved surfaces in the north-eastern part of the site (near sedimentation pond) are to be sealed/paved.</p>	<p>Compacted dirt road was observed during the site audit but no notable dust observed given the movement in the area was minimal.</p>	<p>Sydney zoo should consider sealing the surface if excessive dust is observed during dry weather.</p>
<p>The sealing of the public pathways be maintained.</p>	<p>The sealing of the public pathways was observed to have been maintained</p>	<p>The Auditor considers this item has been addressed.</p>
<p>The Auditor makes the following recommendations of the CES (18 December 2017) Proposed Water Quality Monitoring Programme, which will be implemented for the operational phase:</p> <ul style="list-style-type: none"> The WQMP requires water to be compared against ANZECC (2000) trigger levels, which are appropriate for assessment of suitability for discharge. Should this water be reused onsite (such as for irrigation), the Auditor recommends that the water be compared against appropriate criteria dependent on the proposed uses as 	<p>Not assessed. The zoo considers that this item is not relevant to the Operational Audit scope because the Zoo no longer conducted water monitoring as EPA states that EPA does not have an ongoing regulatory role and EPA decided that they will not provide any further comments on the water quality program or assessment. Furthermore, the Zoo stated that the Zoo does not discharge water as water</p>	<p>Sydney Zoo should inform DPHI on the EPA's advice so that water monitoring is no longer required. The DPHI advice will be required on the cessation of this Water Quality Monitoring Program.</p>

Recommendation from Previous Audit	How The Recommendations Have Been Addressed	Auditor's Assessment
<p>determined by the appropriate environmental consultant.</p> <p>It is recommended that E. coli be added to the list of analytes.</p>	<p>is fully reticulated via dam and treatment pond. The only possible water discharged is during a heavy rain event, which has not occurred.</p>	
<p>As recommended by Toolijooa (November 2019), installation of additional nest boxes (to a total of 17) will be checked in future audit.</p>	<p>The zoo provided photographic evidence of 17 nest boxes.</p>	<p>The Auditor considers this item is has been addressed.</p>

3.6 OEMP, Sub-plans and Post Approval Documents

The Auditor considers that the OEMP and sub-plans are appropriate for the operational phase to minimise environmental impact, noting that:

- The incident form provided in OEMP Rev E Appendix P could be improved by also including:
 - Incident that causes or threatens material harm to the environment, including but not limited to chemical spills such as fuel, cleaning chemicals, or other chemical stored on site.
 - Incident that relates to the biophysical environment (soils, plants, and animals) such as but not limited to wastewater/dam/pond run-off to adjacent areas, rubbish overflow or carried over by wind/water.
 - Register of exceedance of the limits or performance criteria in site development consent (opening hours, number of community events per year, noise limit, unlawful disposal or importation of materials).
- The Community Consultation and Engagement Plan should be updated to reflect the requirement for the operational phase only.
- OEMP and sub-plans should be reviewed on a regular basis, or if there is change to the mitigation or management procedure, to ensure relevancy.

3.7 Discussion of Other Matters

The Auditor does not consider that there are other matters, based on regulatory requirements and legislation or the development's past performance, other than those covered in this IEA.

3.8 Outcomes of Consultation with Relevant Agencies and/or Stakeholders

Prior to conducting the site audit, Geosyntec consulted with DPHI and the Council. Consultation correspondence and responses from the Agencies are provided in Appendix C. The consultation indicated:

- DPHI did not have any additional concerns which needed to be included in the Audit. However, DPHI requested a focus on the following areas:
 - Implementation of the project's OEMP under Conditions D4-D6;
 - Operational transport and parking requirements under Conditions C4A;
 - Compliance with operation hours under Condition B10 and B10A-B10H; and
 - Compliance with the project's annual review (D7) and other reporting requirements.

The Auditor's assessment of these items is covered in the review of the above SSD consent conditions, as listed in Appendix F.

- No response was received from the Council.

3.9 Complaints and Management of Complaints

The Zoo provided a complaint register, which is also available online at the Project website (<https://sydneyzoo.com/about/government-approval/>). There was no complaint within the current Audit period.

3.10 Incidents and Management of Incidents

Based on information provided by the Zoo, there has been no known incident during the operation of the site.

3.11 Performance of Environmental Management Plans

The review of mitigation measures listed in the EIS³ and associated documents associated with the operational phase versus actual impact is assessed in the Audit Table (Appendix F) and is summarised in Table 3.5.

Table 3.5. Environmental Impact Assessment

Environmental Aspect	Requirement	Auditor's Review
Operational traffic impacts and Initial opening traffic impacts	<p>An operational transport management plan (OTMP) would be prepared which would investigate the potential of the following:</p> <ul style="list-style-type: none"> • online booking systems, with allocated visiting periods and staggered timing • implementation of peak period availability of additional accessible parking spaces • off-peak ticketing price reductions • promotion of access via the M7 Motorway • promotion of arrivals via public transport • promotion of car pooling • combined tour packages with other tourist destinations • potential for additional regular route bus services and direct shuttle bus services between Blacktown Railway Station and the site (subject to further consultation with TfNSW) 	<ul style="list-style-type: none"> • TTPP (2019, 2022, and 21 March 2023) Operational Transport Management Plan. • Planning Secretary has approved the earlier and latest version of Operational Transport Management Plan on 18 October 2019, 26 April 2022, and 27 March 2023. • The site operation was not observed to provide significant traffic impact during the Auditor's site visit, noting the site visit was conducted during school holiday busy hours. • No complaint or incident were present for traffic associated with the site.

³ Items listed in the EIS that are not considered environmental mitigation measures or items relating to the construction phase have not been included. Review of other EIS requirements are provided in the Audit Table in Appendix F.

Environmental Aspect	Requirement	Auditor's Review
	<ul style="list-style-type: none"> • promotion of school tours during off-peak periods • preparation of a Work Place Travel Plan to minimise staff travel by private car • preparation of a Transport Access Guide for visitors • extended opening hours, particularly during peak periods to flatten out the peak. <p>An initial opening period transport management plan will be prepared with considering for the peak opening period and specific opening events which would be expected to have different traffic generating impacts compared to normal operation.</p>	
Waste generation, disposal, and resource management	<p>Classify, handle and store all removed waste in the construction compounds/laydown areas in accordance with the NSW Waste Classification Guidelines 2009: Part 1 Classifying Waste (DECCW) and Storing and Handling liquids, Environmental Protection (DECC, 2007). Note that this guideline has been superseded with NSW EPA (2014) Waste Classification Guidelines."</p> <p>Prepare a waste and resource management plan (WRMP) as a sub-plan of the CEMP. As a minimum describe the measures for handling, storing and classifying waste when 'onsite' and its subsequent disposal offsite to the relevant licenced facility.</p> <p>Send all disposed materials to a suitably licenced waste management/landfill facility.</p>	<ul style="list-style-type: none"> • Based on information provided by the Zoo, there has been no soil waste during operation and no waste classification is required given that all waste that has been disposed of from the site is preclassified under the NSW EPA (2014) Waste Classification Guidelines. • Western Zoo Waste Management Plan (3 December 2015) is prepared and included in the OEMP as a sub-plan. • The Zoo waste is collected by Grasshopper. Grasshopper monthly waste reporting showed that: <ul style="list-style-type: none"> - General waste, mixed/comingled recycles, plastic, and dry waste was disposed to Cleanaway SRN. - Paper & Cardboard was disposed to Grima Recycling. - Organic waste was disposed to Organic Recycling Group. - Coffee Pods was transported back to Nespresso. - Drink bottles and cans were disposed to Return and Earn. - Clinical waste was disposed to Med-X (EPL 7434). • Landfill facilities utilised by Grasshopper included: Brandon (Hi-Quality Group) EPL 12618, Cleanaway at Lucas Heights EPL 12520, iTreat EPL 20884, Cleanaway - Kemps Creek EPL 4068, Soilco EPL 21174. • Animal carcasses were disposed to Cleanway Lucas Heights (EPL 12520) but disposal records could not be sighted. • Waste tracking for clinical waste could not be sighted. • Recommendations: <ul style="list-style-type: none"> - The Zoo should ensure that waste collector complies with the Environment Operations (Waste) Regulation 2014 and tracking document is recorded and filed. - Disposal records for all waste (including animal carcasses) should be retained in file. Consignment Authority and waste transport certificate must be retained for at least 4 years.
Waste handling, storage, littering and site tidiness	<p>Store and segregate all waste at source in accordance with its classification. This includes recycled and reusable materials.</p> <p>Monitor for waste accumulation, littering and general tidiness during routine site inspections.</p>	<ul style="list-style-type: none"> • Based on the observation during the audit, waste segregation was apparent within the food areas, in the waste areas (adjacent to the office building) and in the vicinity of the back of the houses. • Site was observed to be generally tidy, and bins were not overloaded. • Based on information provided by the Zoo, bins are monitored and cleared as required.

Environmental Aspect	Requirement	Auditor's Review
		<ul style="list-style-type: none"> The waste bins storage area adjacent to the administration building were accessible to public. Recommendation: Waste bins or storage area adjacent to the administration building should be kept inaccessible to public, e.g. through the use of bin locks or lockable gates.
Resource recovery	<p>Apply resource recovery principles:</p> <ul style="list-style-type: none"> Reuse proposal-generated waste materials onsite (e.g. topsoil, recycled aggregate) providing it meets with exemption and classification requirements Failing that, transfer the materials for use elsewhere on another site under a resource recovery exemption Employ waste segregation to allow paper, plastic, glass, metal and other material recycling. These materials could be either reused onsite or transferred to a recycling facility Consider composting general putrescible waste to allow recovery. Transfer these materials offsite to a composting facility. 	<ul style="list-style-type: none"> Based on the information provided by the zoo, some sand/clay material from the elephant enclosure is stockpiled onsite for reuse at a later stage. No composting has been conducted onsite.
Reducing primary resource demand	<p>Use recycled and low embodied energy products to reduce primary resource demand in instances where the materials are cost and performance competitive (e.g. where quality control specifications allow).</p>	<ul style="list-style-type: none"> Based on the information provided by the zoo, materials used on site are selected for their compatibility to the overall aesthetics of the site and for their functionality. Tassie Sticks, which comprise offcuts from a timber mill which would otherwise be disposed of, are used onsite.
Operational light spill impacts on adjacent properties	<p>Follow the lighting design specification that aims to ensure any the height and direction of any lighting pole would not introduce sky glow or impacts on neighbouring residential properties or road users of the Great Western Highway</p> <p>Use directional lighting fixtures with cut-offs and filters as required.</p>	<ul style="list-style-type: none"> There has been no complaint for lighting in this audit period. LAS (Lighting, Art + Science) (28 June 2022) Obtrusive Light Assessment Sydney Zoo, Bungarribee Ferris Wheel. The assessment was reviewed by the Planning Secretary in consultation with Blacktown City Council (Council). The Auditor also sighted the Lighting, Art and Science (2 November 2015) Western Sydney Zoo Masterplan Lighting Concept Report, which indicates lighting was designed as per AS4282.
Operational biodiversity management	<p>Prevention of runoff and wastewater from the zoo entering the adjacent watercourse through the implementation of a constructed wetlands and harvesting pond in the west of the site.</p> <p>Ongoing weed control should be undertaken along the length of the works to reduce the impacts of edge effects on adjacent vegetation.</p>	<ul style="list-style-type: none"> Dam, pond, and stormwater drains in the carpark and roof runoff were observed during the audit. From the information provided by the zoo, the stormwater at the site is directed to the dam onsite, which is then pumped to the pond at the eastern part and filtered, before recirculated around the site. Aquarium water also recycled on site. The dam has never overflow. No significant weed was observed.
Bushfire management - general	<p>Implement appropriate hazard reduction program in consultation with Western Sydney Parklands</p>	<p>Based on information provided by Sydney Zoo;</p> <ul style="list-style-type: none"> The zoo conducted bush trimming previously but was advised by Council to ceased.

Environmental Aspect	Requirement	Auditor's Review
	and Cumberland Zone Rural Fire Service where woodland vegetation is within or above threshold.	<ul style="list-style-type: none"> The Western Sydney Parklands Trusts (WSPT) states that WSPT to undertake bushland management throughout the Bushland Area. Sydney Zoo conducts hazard reduction regularly. Rural Fire Service was on site a couple of times but there was no discussion on hazard reduction program. Based on the observation during the audit, no excess fuel or mulch were observed. Access roads and tracks were adequately managed. No significant litter was observed. No noticeable overhanging of garden plantings was observed.
Bushfire management during operation	<p>Maintain access roads and tracks within the site and consider the following ongoing management of any buildings and landscaped areas:</p> <ul style="list-style-type: none"> Removal of combustible material, particularly litter in gutters, near buildings. Removing excess amounts of fuel from garden areas (including organic mulch). Ensuring garden plantings do not overhang any buildings, tree canopies are discontinuous, and shrubs are not positioned within two metres of buildings. 	<ul style="list-style-type: none"> Based on the observation during the audit, access roads and tracks appeared to be adequately managed, no significant litter was observed, rubbish bins were not overflowing although it was school holiday period. No noticeable overhanging of garden plantings was observed.
Operational Bushfire Management Plan	Prepare a Bushfire Emergency Management Plan outlining evacuation routes, firefighting protocols and hydrant locations.	<ul style="list-style-type: none"> Bushfire Risk Management Plan (15 May 2024).
Hazardous material and dangerous goods transportation and storage across the site during operation	<p>Handle, store and use dangerous goods and hazardous materials in accordance with: the NSW Occupational Health and Safety Act 2000; the Storage and Handling of Dangerous Goods Code of Practice (WorkCover NSW, 2005); NSW Road and Rail Transport (Dangerous Goods) (Road) Regulation 1998; and Australian Government's Code for the Transport of Dangerous Goods by Road and Rail (National Transport Commission, 2008).</p> <p>Hazardous materials and dangerous goods will be stored within a bunded and secure storage facility on-site.</p>	<ul style="list-style-type: none"> During the audit, some chemicals were observed to be stored in the cleaning room within the restaurant compound, accompanied with safety data sheets (SDS). Some fuel (gasoline) was observed to be stored in paved storage area. Chem Register provided by the zoo shows the quantities of dangerous goods stored and handled at the site are below the threshold quantities listed in the Department's Hazardous and Offensive Development Application Guidelines – Applying SEPP 33. Chem Register provided indicates no radiation materials were stored/used on site.
Driver safety across the proposal during operation	Incorporate car park signage to indicate direction of travel and traffic calming devices including speed humps and speed limits.	<ul style="list-style-type: none"> During audit, signage to the zoo and carpark and speed limits were observed.
Energy efficiency measures during operation	Investigate opportunities for alternate energy provision after an initial review period of operation	<ul style="list-style-type: none"> During site observation solar panels were noted at numbers of buildings across the zoo.

Environmental Aspect	Requirement	Auditor's Review
Building performance during operation	Prepare a Section J energy efficiency assessment of the main buildings during the detailed design stage to determine possible energy saving measures	<ul style="list-style-type: none"> • SLR (3 December 2015) Sydney Zoo Energy Efficiency & ESD Report.
Water Usage	Implement water efficient fittings and fixtures into building design	<ul style="list-style-type: none"> • Based on information provided by the Zoo, low flow shower hoses and taps were installed with motion sensor.
Transport during operation	Prepare an OTMP. Promote the use of public transport for patrons and staff	<ul style="list-style-type: none"> • The zoo has prepared OTMP, which was submitted and reviewed by the Planning Secretary. • The Zoo also has Travel Plan - How to Arrive at Sydney Zoo Safely brochure, which is also provided to staff during staff induction and displayed at staff information notice board. • Recommendation: Workers travel surveys should be conducted to determine if the objectives of the Work Place Travel Plan are being met, or this requirement should be removed from the Work Place Travel Plan.
Greenhouse gas emissions	Utilise energy efficient building design features such as natural ventilation and lighting, and insulation. Consider on-site renewable energy, such as solar power Investigate the feasibility of using electric powered mobile plant on site.	<ul style="list-style-type: none"> • During site observation solar panels were noted at numbers of buildings across the zoo. • Electric vehicles were observed to be used around the zoo. • SLR (3 December 2015) Sydney Zoo Energy Efficiency & ESD Report.

3.12 Evidence Collected through Site Inspection

The evidence collected during the site inspection is recorded in Appendix E and F and included:

- Observation of the new facility, heritage interpretive information, signage and site access.
- Observation of the carpark, traffic access and flow, pedestrian pathways signage.
- Observation of noise levels.
- Observation of sediment on the road (from unsealed surfaces).
- Observation of waste facility, segregation, litter and disposal practices.
- Observation of appropriate sediment and dust control and mitigation measures.
- Observation of chemical storage practices.
- Observation of landscaping areas.

3.13 Evidence to Support Compliance Assessment

Evidence provided during the Audit comprised the following:

- Various environmental records, reports, Annual reports, and management plans.
- Monthly waste disposal summaries.
- Site induction materials.
- Complaint records.
- Correspondences between the Zoo, utility provider, Planning, Council, and other stakeholders.

- Permits and licences
- Other documents required by the conditions of consent.

3.14 Environmental Management Improvement Opportunities

The Auditor's recommendations on improvement opportunities are provided in Section 4.

3.15 Key Strengths of the Project Environmental Management and Performance

The key strengths demonstrated in the project include:

- The Zoo has an organised system and robust record keeping, which greatly assisted our audit.
- The Zoo was well prepared for the audit and was able to demonstrate that they have appropriate processes in place.
- During the site audit, the Environmental Representative demonstrated a proactive approach to environmental management and was amenable to suggestions on improvement.

4 Recommendations and Opportunities for Improvements

The Auditor makes the following recommendations to improve record keeping and/or work practices onsite:

Administrative

- A copy of this IEA and the Zoo's response must be uploaded to the public website following completion of this IEA.
- The subsequent Independent Environmental Audit should be completed within three years of the completion of the current audit.
- The current induction material is considered to provide high level requirements for the implementation of the SSD conditions. It would be prudent to update the induction material to include the information as per SSD requirements (see the Appendix F G30 recommendation column for more details).

Reports and Annual report requirements

- Subsequent annual reports should include all the items listed in this condition and should be prepared in accordance with the Compliance Reporting Post Approval Requirements (Department 2020) (CRPAR) <https://www.planning.nsw.gov.au/assess-and-regulate/about-compliance/inspections-and-enforcements/compliance-reporting-post-approval-requirements>).
- The subsequent annual report should include items to address energy, water efficiency, electric vehicles travel distance and the annual stocktake of dangerous goods.

OEMP and sub-plans

- OEMP review be conducted biannually as per the OEMP requirements and considers guest comments, agency input or response from DPPI, maintenance, operational activity details, environmental monitoring outcomes, incidents and non-conformances, changes in organisation structure and responsibilities, changes in standards and legislation and changes in relevant sub-plans.
- Revised plans should be submitted to the Planning Secretary for approval.
- The Aboriginal Cultural Experience Strategy should be reviewed to confirm the updated strategy and any revision must be submitted to the Planning Secretary.
- The Waste Management Plan should be reviewed to ensure relevancy.
- The Bushfire Risk Management Plan should be updated include evacuation routes, firefighting protocols and hydrant locations, so the document can be a standalone document.
- The Community Consultation and Engagement Plan must be updated to reflect the requirement for the operational phase only.
- An Updated Biodiversity Management Plan and Cumberland Plain Woodland Management Plan should be prepared, which provides an updated management requirements and the responsibilities for Sydney Zoo and the Western Sydney Parklands Trust .

Implementation of OEMP & Subplans

- Sydney Zoo should inform DPPI on the EPA's advice that water monitoring is no longer required. The DPPI advice will be required on the cessation of the Water Quality Monitoring Program for the site.

- Observation of imported materials should be recorded on the potential presence of asbestos for future material importation. It may be prudent to also conduct asbestos testing to ensure the material does not contain asbestos.
- Should any soil material be imported for filling purpose, a register should be prepared to keep these records.
- Any sighting of threatened species should be reported to OEHS Atlas of NSW Wildlife.
- The Zoo should ensure that waste collector complies with the Environment Operations (Waste) Regulation 2014 and tracking document is recorded and filed.
- Disposal records for all waste (including animal carcasses) should be retained in file. Consignment Authority and waste transport certificate must be retained for at least 4 years.
- Waste bins or storage area adjacent to the administration building should be kept inaccessible to public, e.g. through the use of bin locks or lockable gates.
- The zoo should continue to increase the Aboriginal employment at the zoo in line with the Zoo OEMP target and consider including the relevant Aboriginal stakeholders in the annual review of Aboriginal Heritage Experience Strategy.
- Consignment Authority and waste transport certificate must be retained for a period of 4 years.
- Workers travel surveys should be conducted to determine if the objectives of the Work Place Travel Plan are being met, or this requirement should be removed from the Work Place Travel Plan.

5 Limitations

This report has been prepared by Geosyntec Consultants Pty Ltd (“Geosyntec”) for use by the Client who commissioned the works in accordance with the project brief only, and has been based in part on information obtained from the Client and other parties. The findings of this report are based on the scope of work outlined in Section 1. The report has been prepared specifically for the Client for the purposes of the commission, and use by any explicitly nominated third party in the agreement between Geosyntec and the Client. No warranties, express or implied, are offered to any third parties and no liability will be accepted for use or interpretation of this report by any third party (other than where specifically nominated in an agreement with the Client).

This report relates to only this project and all results, conclusions and recommendations made should be reviewed by a competent person with experience in environmental investigations, before being used for any other purpose. This report should not be reproduced without prior approval by the Client, or amended in any way without prior written approval by Geosyntec.

Geosyntec’s assessment was limited strictly to identifying environmental conditions associated with the subject property area as identified in the scope of work and does not include evaluation of any other issues.

Changes to the subsurface conditions may occur subsequent to the investigations described herein, through natural processes or through the intentional or accidental addition of contaminants. The conclusions and recommendations reached in this report are based on the information obtained at the time of the investigation.

This report does not comment on any regulatory obligations based on the findings. This report relates only to the objectives stated and does not relate to any other work conducted for the Client.

The absence of any identified hazardous or toxic materials on the site should not be interpreted as a guarantee that such materials do not exist on the site.

All conclusions regarding the site are the professional opinions of the Geosyntec personnel involved with the project, subject to the qualifications made above. While normal assessments of data reliability have been made, Geosyntec has not independently verified and assumes no responsibility or liability for errors in any data obtained from regulatory agencies, statements from sources outside of Geosyntec, or developments resulting from situations outside the scope of this project.

Geosyntec is not engaged in environmental assessment and reporting for the purpose of advertising sales promoting, or endorsement of any client interests, including raising investment capital, recommending investment decisions, or other publicity purposes. The Client acknowledges that this report is for its exclusive use.

Appendix A Figures



LEGEND

This product has been created to support the main report and is not suitable for other purposes. Image courtesy of SIXMaps.

Figure 1: Sydney Zoo

AU123208

Site Address: 700 Great Western Highway, Bungarribee, NSW 2767

Client: Sydney Zoo

Job Number: AU123208

Date: 8 April 2024

Not to SCALE

Appendix B Auditor Declaration

Independent Audit Declaration Form



Project Name	Sydney Zoo
Consent Number	SSD 7228
Description of Project	Operation of the Sydney Zoo
Project Address	700 Great Western Highway, Bungarribee, NSW 2767
Proponent	Sydney Zoo
Title of Audit	Independent Environmental Audit of the Sydney Zoo
Date	11 June 2024

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

- the audit has been undertaken in accordance with relevant condition(s) of consent and the *Independent Audit Post Approval Requirements (Department 2020)*;
- the findings of the audit are reported truthfully, accurately and completely;
- I have exercised due diligence and professional judgement in conducting the audit;
- I have acted professionally, objectively and in an unbiased manner;
- I am not related to any proponent, owner or operator of the project neither as an employer, business partner, employee, or by sharing a common employer, having a contractual arrangement outside the audit, or by relationship as spouse, partner, sibling, parent, or child;
- I do not have any pecuniary interest in the audited project, including where there is a reasonable likelihood or expectation of financial gain or loss to me or spouse, partner, sibling, parent, or child;
- neither I nor my employer have provided consultancy services for the audited project that were subject to this audit except as otherwise declared to the Department prior to the audit; and
- I have not accepted, nor intend to accept any inducement, commission, gift or any other benefit (apart from payment for auditing services) from any proponent, owner or operator of the project, their employees or any interested party. I have not knowingly allowed, nor intend to allow my colleagues to do so.

Notes:

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

Name of Lead Auditor	Cheryl Halim
Signature	
Qualifications	<ul style="list-style-type: none"> • Exemplar Global Lead Auditor (Environmental Management Systems Auditor) (C-464022) • NSW EPA Accredited Site Auditor (under Contaminated Land Management Act) (No. 2201) • BE (Chemical) • PhD (Chemical Engineering)
Name of Auditor	Lia Young
Signature	
Qualifications	<ul style="list-style-type: none"> • BE (Chemical)

-
- PhD (Chemical Engineering)

Company **Geosyntec Consultants Pty Ltd**

Company Address **Suite 3.04, 1 York St, Sydney NSW 2000**

Appendix C Correspondence

NSW Planning ref: SSD-7228-PA-13

Peter Thiel
Chief Operating Officer
Sydney Zoo Pty Ltd
ACN 168 970 090
PO Box 40
Doonside NSW 2767

25/03/2024

Sent via the Major Projects Portal only

Subject: The Sydney Zoo – Operational Independent Environmental Audit (2024) team endorsement

Dear Mr Thiel

I refer to your request submitted to the NSW Department of Planning, Housing and Infrastructure (**NSW Planning**) on 1 March 2024 for the Planning Secretary's endorsement of a suitably qualified, experienced and independent team to conduct the 2024 operational Independent Environmental Audit (**IEA**) for the Sydney Zoo, SSD 7228 as modified (**consent**).

NSW Planning has reviewed the independent auditor nominations and based on the information you have provided is satisfied that the proposed person/s are suitably qualified, experienced, and independent.

In accordance with Schedule 2, Condition D11 of the consent and the NSW Planning *Independent Audit Post Approval Requirements (2020)* (**IAPAR**), as nominee of the Planning Secretary, I endorse the following independent audit team from Geosyntec Consultants Pty Ltd:

- Cheryl Halim as lead auditor; and
- Cissillia Young as auditor.

Please ensure this correspondence is appended to the final IEA Report.

The IEA must be prepared, undertaken, and finalised in accordance with Schedule 2, Condition D11 of the consent and the IAPAR. Failure to meet these requirements will require revision and resubmission.

Please note that this approval is for the 2024 operational IEA only. Future operational IEAs will require a fresh approval of a new team or re-endorsement of the existing team, pursuant to Schedule 2, Condition D11(a) of the consent.

NSW Planning nevertheless reserves the right to request an alternate auditor or audit team for future audits, should this be appropriate in the circumstances.

Should you wish to discuss the matter further, please contact Samuel Condon, Senior Compliance Officer on (02) 8275 1169 or email compliance@planning.nsw.gov.au

Yours sincerely

A handwritten signature in blue ink, appearing to read "Julia Pope".

Julia Pope
Team Leader Compliance - Metro
Compliance

As nominee of the Planning Secretary

AU123208 L4 10Apr24 DPHI consultation

10 April 2024

Department of Planning, Housing & Infrastructure (DPHI)

Via email : compliance@planning.nsw.gov.au

Dear Samuel,

Re: Independent Environmental Audit, Sydney Zoo, 700 Great Western Highway, Bungarribee, NSW 2767.

Geosyntec Consultants Pty Ltd (Geosyntec) has been engaged by Sydney Zoo (the Zoo) to conduct the first Operational Independent Environmental Audit for the Zoo located at 700 Great Western Highway, Bungarribee, NSW 2767 ('the site'). The site is listed as Lot 11 DP 1247378 (previously Lot 11 in Lot 101 Deposited Plan 1195067).

The Independent Environmental Audit is conducted to meet Conditions D11 and D12 of State Significant Development (SSD) No. 7228.

The Independent Environmental Audit will be conducted in accordance with the NSW Government Independent Audit Post Approval May (June 2020) (IAPAR 2020).

The proposed audit team includes Cheryl Halim as Lead Auditor, assisted by Lia (Cissillia) Young as Auditors. The Audit Team has been approved by DPHI in a letter dated 25 March 2024 (attached in Attachment A).

As required by the IAPAR (2020), we need to conduct consultation with DPHI and other agencies. Please advise if DPHI has any comments/concerns regarding environmental issues relating to the project that you would like us to consider as part of the audit.

Should you have any queries or wish to discuss any points, please do not hesitate to contact the undersigned.

Yours sincerely,



Cheryl Halim
Independent Environmental Auditor/
Exemplar Global AU (ISO 19011:2018)
Geosyntec Consultants Pty Ltd

Attachments: Attachment A – Approval of Audit Team

Attachment A – Approval of Audit Team

NSW Planning ref: SSD-7228-PA-13

Peter Thiel
Chief Operating Officer
Sydney Zoo Pty Ltd
ACN 168 970 090
PO Box 40
Doonside NSW 2767

25/03/2024

Sent via the Major Projects Portal only

Subject: The Sydney Zoo – Operational Independent Environmental Audit (2024) team endorsement

Dear Mr Thiel

I refer to your request submitted to the NSW Department of Planning, Housing and Infrastructure (**NSW Planning**) on 1 March 2024 for the Planning Secretary's endorsement of a suitably qualified, experienced and independent team to conduct the 2024 operational Independent Environmental Audit (**IEA**) for the Sydney Zoo, SSD 7228 as modified (**consent**).

NSW Planning has reviewed the independent auditor nominations and based on the information you have provided is satisfied that the proposed person/s are suitably qualified, experienced, and independent.

In accordance with Schedule 2, Condition D11 of the consent and the NSW Planning *Independent Audit Post Approval Requirements (2020)* (**IAPAR**), as nominee of the Planning Secretary, I endorse the following independent audit team from Geosyntec Consultants Pty Ltd:

- Cheryl Halim as lead auditor; and
- Cissillia Young as auditor.

Please ensure this correspondence is appended to the final IEA Report.

The IEA must be prepared, undertaken, and finalised in accordance with Schedule 2, Condition D11 of the consent and the IAPAR. Failure to meet these requirements will require revision and resubmission.

Please note that this approval is for the 2024 operational IEA only. Future operational IEAs will require a fresh approval of a new team or re-endorsement of the existing team, pursuant to Schedule 2, Condition D11(a) of the consent.

NSW Planning nevertheless reserves the right to request an alternate auditor or audit team for future audits, should this be appropriate in the circumstances.

Should you wish to discuss the matter further, please contact Samuel Condon, Senior Compliance Officer on (02) 8275 1169 or email compliance@planning.nsw.gov.au

Yours sincerely

A handwritten signature in blue ink, appearing to read "Julia Pope".

Julia Pope
Team Leader Compliance - Metro
Compliance

As nominee of the Planning Secretary

Lia Young

From: Sam Condon <Samuel.Condon@planning.nsw.gov.au>
Sent: Thursday, 11 April 2024 10:46 AM
To: Lia Young
Subject: RE: Consultation - SSD 7228 - Independent Environmental Audit, Sydney Zoo, 700 Great Western Highway, Bungaribee, NSW 2767

You don't often get email from samuel.condon@planning.nsw.gov.au. [Learn why this is important](#)

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe. If you have any suspicion, please confirm with the sender verbally that this email is authentic. If you suspect fraud, click "Phish Alert Report."

Good morning Lia,

I confirm the Department has received your consultation request regarding the incoming Independent Environmental Audit report for the Sydney Zoo, SSD 7228.

In addition to the requirements under Conditions D11, D12 of the consent and the IAPAR, given the project is an operational zoo, please focus on the following areas:

- Implementation of the project's OEMP under Conditions D4-D6,
- Operational transport and parking requirements under Conditions C4A,
- Compliance with operation hours under Condition B10 and B10A-B10H; and
- Compliance with the project's annual review (D7) and other reporting requirements.

Please also consult with City of Blacktown Council, and include this (and any other responses received) as evidence of consultation in the final IEA report.

If you have any questions, please feel free to give me a call on (02) 8725 1169.

Regards

Samuel Condon

Senior Compliance Officer
Compliance

Department of Planning, Housing and Infrastructure

E samuel.condon@planning.nsw.gov.au

dphi.nsw.gov.au

4 Parramatta Square
12 Darcy Street
Parramatta NSW 2124

Working days Monday to Friday, 9:00am - 5:00pm



I acknowledge the traditional custodians of the land and pay respects to Elders past and present. I also acknowledge all the Aboriginal and Torres Strait Islander staff working with NSW Government at this time.

If you are submitting a compliance document or request as required under the conditions of consent or approval, please note that the Department is no longer accepting lodgement via compliance@planning.nsw.gov.au.

The Department has upgraded the Major Projects Website to improve the timeliness and transparency of its post approval and compliance functions. As part of this upgrade, proponents are now requested to submit all post approval and compliance documents online, via the Major Projects Website. To do this, please refer to the instructions available [here](#).

Please consider the environment before printing this email.

From: Lia Young <lia.young@geosyntec.com>
Sent: Wednesday, 10 April 2024 3:39 PM
To: DPE PSVC Compliance Mailbox <compliance@planning.nsw.gov.au>
Subject: Consultation - SSD 7228 - Independent Environmental Audit, Sydney Zoo, 700 Great Western Highway, Bungarribee, NSW 2767

Dear Samuel,

Geosyntec Consultants Pty Ltd (Geosyntec) has been engaged by Sydney Zoo (the Zoo) to conduct the first Operational Independent Environmental Audit for the Zoo. As such, please kindly refer to the attached for our consultation.

Should you have any queries or wish to discuss any points, please do not hesitate to contact us back.
Sent on behalf of the Lead Auditor (Cheryl Halim)

Kind Regards,

Lia Young
Environmental Engineer

Geosyntec Consultants Pty Ltd

A: Suite 3.04, Level 3, 1 York Street, Sydney NSW 2000
P: +61 (2) 9251 8070
M: +61 405 578 350



[geosyntec](#) | [SiREM](#) | [savron](#)

From: [Lia Young](#)
To: ["council@blacktown.nsw.gov.au"](mailto:council@blacktown.nsw.gov.au)
Subject: Sydney Zoo Operational IEA Consultation - SSD 7228
Date: Wednesday, 10 April 2024 3:40:00 PM

Dear Sir/Madam,

Geosyntec Consultants Pty Ltd (Geosyntec) has been engaged by Sydney Zoo (the Zoo) to conduct the first Operational Independent Environmental Audit for the Zoo located at 700 Great Western Highway, Bungaribee, NSW 2767.

The State Significant Development (SSD) (SSD No. 7228) consent issued by the Department of Planning, Housing, and Infrastructure (DPHI) requires the audit to be conducted.

In accordance with the requirements outlined in the Independent Audit Post Approval Requirements (2020), the Auditor is required to consult key stakeholders.

As such, please advise if **Council** has any comments/concerns regarding environmental issues relating to the project that you would like us to consider as part of this independent audit.

Please do not hesitate to contact us if you have any questions. We look forward to receiving your response. Thank you.

Sent on behalf of the Lead Auditor (Cheryl Halim).

Kind Regards,

Lia Young
Environmental Engineer

Geosyntec Consultants Pty Ltd

A: Suite 3.04, Level 3, 1 York Street, Sydney NSW 2000

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Appendix D Record of Meeting and Agenda

AU123208 L3 Opening meeting

Independent Environmental Audit – Opening Meeting Agenda

Site: Sydney Zoo, 700 Great Western Highway, Bungarribee, NSW 2767

SSD: 7228

Date & Time: Tuesday 17 April 2024 8.30 AM

Invitees:

Jake Burgess (Sydney Zoo)

Peter Thiel (Sydney Zoo)

Cheryl Halim (Geosyntec)

Lia Young (Geosyntec)

AGENDA

1. Introductions
 - a. Participants and Roles
 - b. Purpose and Objective of Audit
 - c. Scope of Audit (boundary, activities, processes)
 - d. Criteria for Audit (SSD Conditions, CEMP commitments)
2. Audit Methodology
 - a. Timing – site based/desktop based
 - b. Evidence based (record and observation)
 - c. Recording of observations (notes, photographs, discussions)
 - d. Any site limitation, cultural, religious or social sensitivities
 - e. Additional Audit requirements from Agency Consultation
 - f. Notification from DPHI or other agencies
 - g. Complaints
 - h. Incidents
3. Reporting
 - a. Method (at time of observation, closing meeting (recap, formal report)
 - b. Grading – Compliant, Non-Compliant, Not Triggered, Recommendations
 - c. Post Audit opportunity to respond prior to Final Report
4. Close out meeting – timing via Teams or email (TBC)

Lia Young

From: Cheryl Halim
Sent: Friday, 19 April 2024 1:31 PM
To: Peter Thiel
Cc: Lia Young
Subject: Closing meeting for IEA (1st operational audit) - Sydney Zoo (AU123208)
Attachments: Zoo App F. Audit Table.xlsx

Dear Peter,

Thank you for participating in the first Operation IEA audit conducted on 17 April 2024. We also appreciate receiving many of the project records prior to the Audit, which expedited the audit process.

1. Background and Objective of Email

During the site visit, we observed environmental management and conducted interviews with zoo representatives regarding on site practices. We also completed a review of the information provided against the IEA Audit Table.

Please treat this email as the Closing Meeting for the IEA.

As discussed, compliance is evaluated as follows:

- Compliant
- Non-compliant
- Non-triggered

The purpose of this email is to provide an overview of our findings, and outline any additional information required to address outstanding items.

2. Status of Review and Timing.

The status of our Audit Table is attached. Outstanding items are flagged in yellow, and we request additional information (if available).

The Draft Report will be provided to Sydney Zoo by the end of May 2024, subject to receiving the additional information.

Please use the opportunity to provide additional information and rectify any potential non-compliances by 6 June 2024, after which we will issue our final report.

3. Identified Strengths

Sydney Zoo has an organised system and robust record keeping, which greatly assisted our audit. Sydney Zoo was well prepared for the audit and was able to demonstrate that they have appropriate processes in place.

During the site audit, the Environmental Representative demonstrated a proactive approach to environmental management and was amenable to suggestions on improvement.

4. Potential non-compliances and opportunities for improvement

Geosyntec identified the following key items:

Item G71 - This item was considered as non-compliant by the Planning Secretary because consultation with Blacktown City Council did not occur during the preparation of the Noise Verification Report. The consultation was only conducted after submission of the initial Report to Planning.

Item G72 - This item was considered as non-compliant because Noise Verification Report was not conducted following the conclusion of the twilight concert event. However, no recommendation was made as Noise Verification Report has been prepared since then.

Item G106 - This item is considered as non-compliant because the operational Audit was not completed within 3 years of previous audit. It is understood that Sydney Zoo has consulted with DPHI on the late commencement of the Audit.

Several items will need additional records to be provided. These are outlined in the attached audit table.

Item G228 – Based on the discussion onsite, this item is likely to be non-compliant. Please see further explanation in cell K241 of the Audit Table. Should further information be able to be provided, we can review the compliance status.

5. Outstanding Items in Audit Table

See attached table. Please provide additional records as flagged in yellow before 16 May 2024 (preferably earlier).

Thank you for your time.

Please do not hesitate to contact Cheryl Halim or myself if you have any questions.

Kind Regards,

Dr Cheryl Halim
Principal

Geosyntec Consultants Pty Ltd

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Appendix E Photographs

Photograph Log

Client Name:



Sydney Zoo

Site Location:

700 Great Western Highway,
Bungarabee, NSW 2767

Project Number:

AU123208

<p>Photo Number: G37, G196</p>	<p>Date: 17/04/24</p>	 
<p>Description:</p> <p>One coach was observed at the designated carpark area.</p> <p>The coach layover areas in the north western portion of the formal car park are not used by coach.</p>		

Photograph Log

Client Name:

Sydney Zoo

Site Location:

700 Great Western Highway,
Bungarabee, NSW 2767

Project Number:

AU123208

<p>Photo Number: G47, G155, G183, G205</p>	<p>Date: 17/04/24</p>		
<p>Description: Dam and pond observed. Also observed stormwater drains in the carpark area and roof runoff.</p>			

Photograph Log

Client Name:

Sydney Zoo

Site Location:

700 Great Western Highway,
Bungarabee, NSW 2767

Project Number:

AU123208

Photo Number:	Date:	
G54	17/04/24	
Description:		
<p>All areas of Cumberland Plain Woodland identified for retention in the EIS is protected by suitable fencing and signage.</p>		

Photo Number:	Date:	
G63	17/04/24	
Description:		<p>No obvious presence of anthropogenic material including asbestos was observed at the mulch during site visit.</p>

Photograph Log

Client Name:

Sydney Zoo

Site Location:

700 Great Western Highway,
Bungarabee, NSW 2767

Project Number:

AU123208

<p>Photo Number: G74, G75</p>	<p>Date: 17/04/24</p>		
<p>Description:</p> <p>The carpark was observed to be mostly paved, except for the carpark in the north-western part of the site.</p> <p>The carpark in the south-western part of the site is partly grassed and comprises compacted sand. Zoo (PT) stated there is honeycomb matrix beneath the sand to minimise dust. No dust issue has required mitigation to date.</p>			

Photograph Log

Client Name:



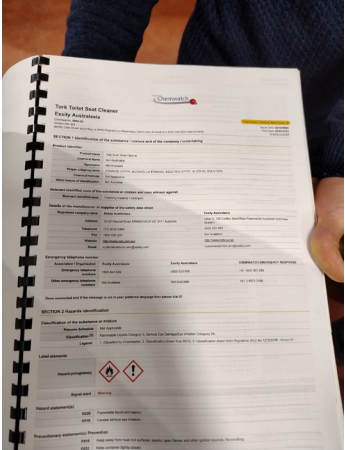

Sydney Zoo

Site Location:

700 Great Western Highway,
Bungarabee, NSW 2767

Project Number:

AU123208

<p>Photo Number: G77, G167, G168, G193</p>	<p>Date: 17/04/24</p>		
<p>Description:</p> <p>Some chemicals were observed to be stored in the cleaning room within the food area. SDS was observed.</p> <p>Some fuel (gasoline) was observed to be stored in paved storage area.</p>			
			

Photograph Log

Client Name:






Sydney Zoo

Site Location:

700 Great Western Highway,
Bungarribee, NSW 2767

Project Number:

AU123208

<p>Photo Number: G85, G141, G142, G143, G184, G209, G210.</p>	<p>Date: 17/04/24</p>	    
<p>Description:</p> <p>Waste segregation was observed within the food areas, in the waste areas (adjacent to the office building) and in the vicinity of the back of the houses.</p>		

Photograph Log

Client Name:


Sydney Zoo

Site Location:

700 Great Western Highway,
Bungarabee, NSW 2767

Project Number:

AU123208

<p>Photo Number: G157, G194</p>	<p>Date: 17/04/24</p>		
<p>Description:</p> <p>Access roads and tracks were adequately managed.</p> <p>No significant litter was observed.</p> <p>No noticeable overhanging of garden plantings were observed.</p>			

Photograph Log

Client Name:

Sydney Zoo

Site Location:

700 Great Western Highway,
Bungarabee, NSW 2767

Project Number:

AU123208

<p>Photo Number: G169, G196</p>	<p>Date: 17/04/24</p>	
<p>Description: Traffic calming devices (speed sign and limits) were observed.</p>		

Photograph Log

Client Name:


Sydney Zoo

Site Location:

700 Great Western Highway,
Bungarribee, NSW 2767

Project Number:

AU123208

<p>Photo Number: G170, 192</p>	<p>Date: 17/04/24</p>	
<p>Description: Solar panels were observed at a number of buildings.</p>		

Photograph Log

Client Name:

Sydney Zoo

Site Location:

700 Great Western Highway,
Bungaribee, NSW 2767

Project Number:

AU123208


Photo Number:	Date:	
G183, G213	17/04/24	
Description:		
Spill kit located near the garbage and fuel storage areas.		

Photo Number:	Date:	
G186	17/04/24	
Description:		
e-vehicles were observed.		

Photograph Log

Client Name:

Sydney Zoo

Site Location:

700 Great Western Highway,
Bungarabee, NSW 2767

Project Number:

AU123208

<p>Photo Number: G188</p>	<p>Date: 17/04/24</p>	
<p>Description:</p> <p>Ecologically sustainable soft toys and cards sold at the retail shop. The cards are aimed for conversation program as well.</p> <p>Conservation program banner observed at the chimpanzee area.</p>		

Photograph Log

Client Name:

Sydney Zoo


Site Location:

700 Great Western Highway,
Bungaribee, NSW 2767

Project Number:

AU123208

<p>Photo Number: G190, G191, G229</p>	<p>Date: 17/04/24</p>	
<p>Description: Heritage interpretive information observed near the entrance of the zoo.</p>		

<p>Photo Number: G197</p>	<p>Date: 17/04/24</p>	
<p>Description: Carpark was observed to be adequate, noting the audit was conducted during school holiday.</p>		

Photograph Log

Client Name:


Sydney Zoo

Site Location:

700 Great Western Highway,
Bungarabee, NSW 2767


Project Number:

AU123208

<p>Photo Number: G221, G222, G223.</p>	<p>Date: 17/04/24</p>	
<p>Description:</p> <p>Vegetation was in good condition.</p> <p>No significant weeds were observed.</p> <p>Nest boxes were observed.</p>		

Appendix F Audit Table

Gosy ntec Ref.	Document	SSD Condition / CEMP Section	Item	water	Evidence Collected / Observations	Comments on Independent Audit Findings and Recommendations.	Compliance Status		
							Compliant	Non-Compliant	Not Triggered
SCHEDULE B. ADMINISTRATIVE CONDITIONS									
G1	SSD 7228 Mod11	B1	Obligation to Minimise Harm to the Environment	In addition to meeting the specific performance criteria established under this consent, the Applicant shall implement all reasonable and feasible measures to prevent and/or minimise any harm to the environment that may result from the Development	The Auditor has reviewed the performance measures and criteria in this consent and consider that reasonable and feasible measures have been implemented to prevent or minimise any material harm to the environment. Individual findings are reported in each condition below.				
G2	SSD 7228 Mod11	B2	Obligation to Minimise Harm to the Environment	The Applicant shall carry out the Development in accordance with the: a. EIS, RTS and Supplementary Information and Additional Information; b. development layout plans and drawings in the EIS, RTS and Supplementary Information; and c. the Management and Mitigation Measures (see Appendix B). (d) the modification application SSD 7228 MOD 1 and supporting documentation; (e) the modification application SSD 7228 MOD 2 and supporting documentation; (f) the modification application SSD 7228 MOD 3 and supporting documentation; (g) the modification application SSD 7228 MOD 4 and supporting documentation; (h) the modification application SSD 7228 MOD 6 and supporting documentation; (i) the modification application SSD 7228 MOD 7 and supporting documentation; (j) the modification application SSD 7228 MOD 8 and supporting documentation; (k) the modification application SSD 7228 MOD 9 and supporting documentation; (l) the modification application SSD 7228 MOD 10 and supporting documentation; and (m) the modification application SSD 7228 MOD 11 and supporting documentation.	The development is carried out in general accordance with the SSD, EIS and RTS. Any non-conformance is indicated in the respective Condition below.				
G3	SSD 7228 Mod11	B3	Obligation to Minimise Harm to the Environment	If there is any inconsistency between the above documents, the most recent document shall prevail to the extent of the inconsistency. However, the conditions of this consent shall prevail to the extent of any inconsistency.	Condition noted.				
G4	SSD 7228 Mod11	B4	Obligation to Minimise Harm to the Environment	The Applicant shall comply with any reasonable requirement(s) of the Secretary arising from the Department's assessment of: a. any reports, plans or correspondence that are submitted in accordance with this consent; and b. the implementation of any actions or measures contained within these reports, plans or correspondence.	Interview: - The Zoo (PT) stated that there has been no written direction from the Planning Secretary				
G5	SSD 7228 Mod11	B5	Limits of Consent	This consent lapses five years after the date from which it operates, unless the Development has physically commenced on the land to which the consent applies before the date on which the consent would otherwise lapse under section 95 of the EP&A Act.	SSD 7228 MOD11 was dated 5 December 2023				

Gosy ntec Ref.	Document	SSD Condition / CEMP Section	Item	water	Evidence Collected / Observations	Comments on Independent Audit Findings and Recommendations.	Compliance Status		
							Compliant	Non-Compliant	Not Triggered
G6	SSD 7228 Mod11	B6	Limits of Consent	<p>The display of Australian native animals shall comprise less than 1.6 hectares of the overall exhibited animal collection and shall be displayed as part of an Aboriginal Cultural Experience (See Condition C21). This area is to be in accordance with the area designated for Australian animals presented within the Site Plan (see APPENDIX A) and must include from the commencement of opening to the public an Aquarium, Reptile House and Insectarium and Nocturnal House. Any additional Australian native animals can be displayed as part of educational sessions or 'micro displays' within the commercial facilities across the site (i.e. restaurants, cafes and shops)</p> <p style="text-align: center;">APPENDIX A SITE PLAN (MOD 10)</p> 	<p>Record Sighted:</p> <ul style="list-style-type: none"> - Drawing AU124 Rev L (As Constructed) 4/5/2020 shows that the total area for Australian native animals occupy 4,275m². - From Nearmap aerial photo, the estimated total for Australian native animals with the Aquarium, Reptile House and Insectarium and Nocturnal House is 1.4ha. - Previously, SharePoint Item 17. Concept Plan: A site plan showing Australian Native Animal Enclosure Areas prepared by Harrison Friedmann & Associates (dated 3 October 2019) indicates the Australian native animal enclosure areas comprised 12883m² (less than 1.6ha). 				
G7	SSD 7228 Mod11	B7	Limits of Consent	<p>For the commencement of opening to the public the Development must have for display to the public at least two-thirds of the exotic species nominated in the Additional Information.</p>	<p>Record sighted:</p> <ul style="list-style-type: none"> - Enclosure Report for Pisces/Fish within Sydney Zoo 3/4/2024. - Sydney Zoo - Current Species List 3/4/24. - 190815 Exotic Species Compliance V3, which indicated that out of the original list, Sydney Zoo had 79% of the exotic species out of the original list at the time of the opening. Additionally, the Zoo also additional exotic species out of the original list, which provided 105% out of the original list. - Email from Sydney Zoo to Department of Planning (4 December 2019) confirming this condition has been met. <p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated there are about 15 Australian species out of 240 species total at the zoo, indicating there are more than 90% exotic species at the zoo. This has not changed since the last audit. 				
G8	SSD 7228 Mod11	B8	Limits of Consent	<p>For the first three years after opening to the public, the Applicant is prohibited from having Interactive Programs that involve touching a koala except as part of demonstrations in the educational amphitheatre or provided in the context of education of school groups.</p>	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that there is no Interactive Programs that involve touching a koala, as it is illegal in NSW. <p>Observation:</p> <ul style="list-style-type: none"> - No exhibition that involves touching of a koala was observed. 				

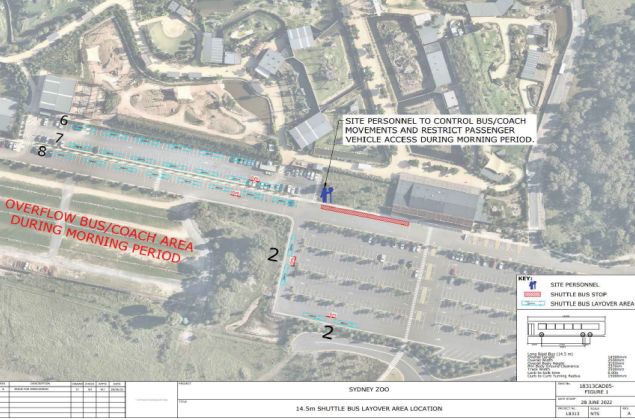
Gosy ntec Ref.	Document	SSD Condition / CEMP Section	Item	water	Evidence Collected / Observations	Comments on Independent Audit Findings and Recommendations.	Compliance Status																			
							Compliant	Non-Compliant	Not Triggered																	
G9	SSD 7228 Mod11	B9	Limits of Consent	The exhibition of birds at the Development is limited to ratites (flightless birds) and penguins only.	Condition deleted.																					
G10	SSD 7228 Mod11	B10	Limits of Consent	<p>The hours of operation for the Development are restricted, on any day, to:</p> <p>Month December and January February to November</p> <p>The hours of operation for the Development are restricted, on any day, to the hours specified in Table 1 below:</p> <p>Table 1: Hours of Operation</p> <p>Note: The operational noise limits specified in Condition C32 apply to all activities</p> <table border="1"> <thead> <tr> <th>Activity Description</th> <th>Hours of Operation</th> </tr> </thead> <tbody> <tr> <td>Public opening hours</td> <td>9am – 11pm</td> </tr> <tr> <td>Maintenance activities conducted by staff of the Development including cleaning, animal curation, feeding and general maintenance activities</td> <td>5:30am – 11pm</td> </tr> <tr> <td>Emergency activities (including animal medical events)</td> <td>24 hours, 7 days a week</td> </tr> <tr> <td>Use of the site as a function centre</td> <td>7am – 11pm</td> </tr> <tr> <td>Temporary and community events</td> <td>7am – 11pm</td> </tr> <tr> <td>Delivery of goods, waste collection and specimen related services including animal and food delivery</td> <td>7am – 11pm</td> </tr> <tr> <td>Private zoo experiences / small group tours</td> <td>7:30am – 11pm</td> </tr> <tr> <td>Use of the permanent ferris wheel</td> <td>9am – 11pm</td> </tr> </tbody> </table>	Activity Description	Hours of Operation	Public opening hours	9am – 11pm	Maintenance activities conducted by staff of the Development including cleaning, animal curation, feeding and general maintenance activities	5:30am – 11pm	Emergency activities (including animal medical events)	24 hours, 7 days a week	Use of the site as a function centre	7am – 11pm	Temporary and community events	7am – 11pm	Delivery of goods, waste collection and specimen related services including animal and food delivery	7am – 11pm	Private zoo experiences / small group tours	7:30am – 11pm	Use of the permanent ferris wheel	9am – 11pm	<p>Record sighted:</p> <ul style="list-style-type: none"> - Zoo website access on 15 April 2024 (https://sydneyzoo.com) indicates that opening hours are 9AM to 5PM (all seasons). "Glow 2024" event is offered between 5.30PM to 10PM. - Employee (MC) timesheet for 18 March 2024 to 31 March 2024 indicated that staff starts work between 6.30-7am to 3.30am. <p>For private function use:</p> <ul style="list-style-type: none"> - Sydney Zoo Event Order /booking form for 19th October 2023 Greater Blacktown Business After 5's on. The form states that the expected number of guest was 110, access: 2PM -8PM, event commenced at 5.30PM. - Sydney Zoo Event Order /booking form for 29th November 2023 Invocare Christmas Party. The form states that the expected number of guest was 185, access: 6PM -9PM - Sydney Zoo Event Order /booking form for 9th December 2023 Toshiba Christmas Dinner. The form states that the expected number of guest was 158, access: 6PM to 10PM. - Confirmation email that waste bin is collected at 9AM. <p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that the zoo operates as per the approved hours under the SSD. - The earliest start time for staff is 6.30am. Zoo closes at 5pm any season. - Ferris wheel is inside the zoo gate, and only operates when the zoo is open to public. - Waste collector do not have access to the site unless the site is open. Staff arrived around 6.30-7AM, the earliest. - Twilight concert was only offered up until 7pm. <p>Observation:</p> <ul style="list-style-type: none"> - Ferris wheel is inside the zoo gate. 			
Activity Description	Hours of Operation																									
Public opening hours	9am – 11pm																									
Maintenance activities conducted by staff of the Development including cleaning, animal curation, feeding and general maintenance activities	5:30am – 11pm																									
Emergency activities (including animal medical events)	24 hours, 7 days a week																									
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Delivery of goods, waste collection and specimen related services including animal and food delivery	7am – 11pm																									
Private zoo experiences / small group tours	7:30am – 11pm																									
Use of the permanent ferris wheel	9am – 11pm																									
G11	SSD 7228 Mod12	B10A	Limits of Consent	Temporary and community events are limited to a maximum of eight events per calendar year, until such time the Planning Secretary is satisfied that the requirements of Condition C5D and C32C have been met.	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that the zoo has not exceeded the maximum of 8 community events in a year. - Zoo (PT) stated in 2023 included Christmas, Emma Memma, the Wiggles and Glow. - Zoo (PT) stated in 2022 included Glow, the Wiggles. 																					
G12	SSD 7228 Mod12	B10B	Limits of Consent	Private zoo experiences / guided tours that take place outside of general public opening hours are limited to a maximum patronage of 60 persons per tour.	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that the zoo conducted private zoo experiences for less than 60 persons per tour (for Taylor Swift). 																					
G13	SSD 7228 Mod12	B10C	Limits of Consent	The maximum number of visitors permitted on site for private zoo experiences / small group tours commencing between the hours of 7:30 am and 9 am is limited to a maximum total of 1,500 visitors.	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that the zoo has not offered any private zoo experience. Small group tours consist of International Travel groups and to date have not exceeded 100 pax between 7.30-9am. 																					

Gosyntec Ref.	Document	SSD Condition / CEMP Section	Item	water	Evidence Collected / Observations	Comments on Independent Audit Findings and Recommendations.	Compliance Status		
							Compliant	Non-Compliant	Not Triggered
G14	SSD 7228 Mod12	B10D	Limits of Consent	The use of the site as a function centre for the holding of corporate events and function style events between the hours of 6pm and 11pm is limited to a maximum total patronage of 350 persons.	<p>Record sighted:</p> <ul style="list-style-type: none"> - Sydney Zoo Event Order /booking form for 19th October 2023 Greater Blacktown Business After 5's. The form states that the expected number of guests is 110, access: 2PM -8PM, event commenced at 5.30PM. Use of site as function centre according to SSD7228 Condition B10 is between 7AM to 11PM. - Sydney Zoo Event Order /booking form for 29th November 2023 Invocare Christmas Party. The form states that the expected number of guests is 185, access: 6PM -9PM - Sydney Zoo Event Order /booking form for 9th December 2023 Toshiba Christmas Dinner. The form states that the expected number of guests is 158, access: 6PM to 10PM. <p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that the maximum number of people in corporate events and function style events between the hours of 6pm and 11pm has not exceeded the maximum total of 350 persons. 				
G15	SSD 7228 Mod12	B10E	Limits of Consent	The maximum number of visitors permitted on site between the hours of 6pm and 11pm is limited to a maximum total of 3,850 visitors, unless otherwise agreed by the Planning Secretary.	<p>Record sighted:</p> <ul style="list-style-type: none"> - Sydney Zoo Event Order /booking form for 19th October 2023 Greater Blacktown Business After 5's. The form states that the expected number of guests is 110, access: 2PM -8PM, event commenced at 5.30PM. Use of site as function centre according to SSD7228 Condition B10 is between 7AM to 11PM. - Sydney Zoo Event Order /booking form for 29th November 2023 Invocare Christmas Party. The form states that the expected number of guests is 185, access: 6PM -9PM. - Sydney Zoo Event Order /booking form for 9th December 2023 Toshiba Christmas Dinner. The form states that the expected number of guests is 158, access: 6PM to 10PM. - Tickets sold for Glow from 12/5/2023-17/6/2024 indicated the number of tickets sold were <3850. <p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that the maximum number of visitors permitted on site between the hours of 6pm and 11pm has not exceeded a total of 3,850 visitors. The zoo closes at 5PM in all seasons (sometimes at 4pm in winter). Events takes place from 5PM. Maximum number of attendees shown in the event booking forms are less than 350 persons. 				
G16	SSD 7228 Mod12	B10F	Limits of Consent	Events that are not permitted to occur on site include: (a) Fireworks; (b) Loud concerts (that is, not a 'low impact' concert); (c) Events past 11pm on any given day (including the use of amplified loudspeakers); and (d) Events that will exceed the noise limits specified in Conditions C32 and C32A.	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that no events have been held on site which have the listed items. <p>Record sighted:</p> <ul style="list-style-type: none"> - Zoo website on 15 April 2024 showed Bluey Interactive Experience and Glow event, but there is no indication that there will be fireworks or loud concert. - Complaint record did not indicate any complaints associated with the listed items. 				
G17	SSD 7228 Mod12	B10G	Limits of Consent	This consent does not approve the erection of temporary structures and signages associated with the carrying out of any activities on the site.	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that no such structures listed in Condition B10G have been used on the site. <p>Observation:</p> <ul style="list-style-type: none"> - No temporary structures or signages were observed. 				
G18	SSD 7228 Mod12	B10H	Limits of Consent	Notwithstanding the hours of operation for the permanent ferris wheel specified in Condition B10: (a) use of the ferris wheel is restricted to zoo patrons only at all times; and (b) use of the ferris wheel during temporary and community events may only occur if the zoo is open to the general public during the event.	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that no members of the public are permitted on site without a ticket so no members of the public can access the Ferris Wheel without having a zoo ticket. Ferris Wheel access is only provided for temporary or community events which are open to the general public. 				

Gosy ntec Ref.	Document	SSD Condition / CEMP Section	Item	water	Evidence Collected / Observations	Comments on Independent Audit Findings and Recommendations.	Compliance Status		
							Compliant	Non-Compliant	Not Triggered
G19	SSD 7228 Mod11	B11	Staged Submission of Plans or Programs	With the approval of the Planning Secretary, the Applicant may: a. submit any strategy, plan or program required by this consent on a progressive basis; and/or b. combine any strategy, plan or program required by this consent.	Interview: - The Zoo (PT) stated that the project has not been staged.				
G20	SSD 7228 Mod11	B12	Staged Submission of Plans or Programs	If the submission of any strategy, plan or program is to be staged, then the relevant strategy, plan or program shall clearly describe the specific stage to which the strategy, plan or program applies, the relationship of the stage to any future stages and the trigger for updating the strategy, plan or program. A clear relationship between the strategy, plan or program that is to be combined shall be demonstrated.	Interview: - The Zoo (PT) stated that the project is not staged. Condition is considered not triggered				
G21	SSD 7228 Mod11	B13	Evidence of Consultation	Where consultation with any public authority is required by the conditions of this consent, the Applicant shall: a. consult with the relevant public authority prior to submitting the required documentation to the Planning Secretary or the PCA for approval, where required; b. submit evidence of this consultation as part of the relevant documentation required by the conditions of this consent; and c. include the details of any outstanding issues raised by the relevant public authority and an explanation of the disagreement between any public authority and the Applicant or any person acting on this consent.	Consultation required by the Condition of this Consent is assessed in G39, G43, G45, G46, G49, G52, G53, G57, G59, G61, G71, and G73. Non-compliance is indicated in the respective Conditions.				
G22	SSD 7228 Mod11	B14	Dispute Resolution	In the event that a dispute arises between the Applicant and either Council or a public authority, in relation to an applicable requirement in this consent or relevant matter relating to the Development, either party may refer the matter to the Planning Secretary for resolution. The Planning Secretary's determination of any such dispute shall be final and binding on the parties.	Condition noted. Interview: - The Zoo (PT) stated that there has been no disputes.				
G23	SSD 7228 Mod11	B15	Statutory Requirements	The Applicant shall ensure that all licences, permits and approval/consents are obtained as required by law 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 approval/consents. Note – This is to include relevant license/approval from Council under section 68 of the Local Government Act 1993 for all domestic effluent disposal and management systems on-site.	Record sighted: - Sydney Water Division 9 Section 73 of the Sydney Water Act 1994 (9 July 2018) case No. 151303. - DPI (1 July 2023) Exhibited Animals Establishment (i.e. zoo licence).				
G24	SSD 7228 Mod11	B15A	Statutory Requirements	The Applicant must ensure that all licences, permits and approval/consents are obtained for the carrying out of temporary and community events on the site as required by law and maintained as required throughout the life of the Development.	Interview: - Zoo (PT) stated that no licences/permits have been required for temporary and community events.				
G25	SSD 7228 Mod11	B16	Structural Adequacy and Certification	The Applicant shall ensure all new buildings and structures are constructed in accordance with the relevant requirements of the BCA. Note – Under Part 4A of the EP&A Act, the Applicant is required to obtain construction and occupation certificates for the proposed building works. Part 8 of the EP&A Regulation sets out the requirements for the certification of the Development.	This Condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				
G26	SSD 7228 Mod11	B17	Utilities and Services	Prior to the construction of any utility works associated with the Development, the Applicant shall obtain relevant approvals from service providers.	This Condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				
G27	SSD 7228 Mod11	B18	Utilities and Services	Prior to operation of the Development, the Applicant shall obtain a Compliance Certificate for water and sewerage infrastructure servicing of the site from Sydney Water Corporation under Section 73 of the Sydney Water Act 1994.	Record sighted: - Western Sydney Parklands Trust (13 July 2018), Bungarribee Park Sydney Zoo – Notice of Completion of Water Lead-in Works. Letter states "the Trust hereby confirms that the provision of water services up to the premises boundary has been completed. The water service has been constructed in accordance with the approved plan by nwsurveys dated 24/3/2017 and as per the agreed Services Works Plan." - Sydney Water Division 9 Section 73 of the Sydney Water Act 1994 (9 July 2018) case No. 151303.				
G28	SSD 7228 Mod11	B19	Protection of Public Infrastructure	Prior to the commencement of earthworks, the Applicant shall: a. prepare a dilapidation report identifying the condition of all public infrastructure in the vicinity of the site (including roads, gutters and footpaths); and b. submit a copy of this report to the Planning Secretary and Council.	This Condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				

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G29	SSD 7228 Mod11	B20	Protection of Public Infrastructure	The Applicant shall: a. repair, or pay the full costs associated with repairing any public infrastructure that is damaged by the Development; and b. relocate, or pay the full costs associated with relocating any infrastructure that needs to be relocated as a result of the Development.	This Condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				
G30	SSD 7228 Mod11	B21	Compliance	The Applicant shall ensure that employees, contractors and sub-contractors are aware of, and comply with, the conditions of this consent relevant to their respective activities.	<p>Interview: - Zoo (PT) stated employees have to go through induction and sign off of procedures through the Bamboo Management System.</p> <p>Record sighted: - A record for employee onboarding information.</p>	<p>The induction material is considered to provide high level requirements only.</p> <p>Recommendation: It would be prudent to update the induction material to include the following information as per SSD requirements:</p>			
					<p>1.A link to a copy of site SSD and the conditions that apply to staff.</p> <p>2.Show the practical site boundary excluding the RMS area or noting that there should be no work conducted in RMS area (refer to SSD Condition C1).</p> <p>3.Show the site tree protection zone, opening and approved hours for various activities (refer to SSD Condition B10).</p> <p>4.The limits of number of visitors for guided tour, small group tour, functions and corporate events, coach parking arrangement, and coach maximum numbers (refer to Conditions B10, B10B, B10C, B10D, C4A).</p> <p>5.Requirement to maintain and operate plant & equipment in a proper and efficient manner (refer to Condition B23).</p> <p>6.Requirement to record complaints received from the nominated email and hotline (refer to Condition C7). Provide a clear mechanism of complaint recording and the requirement to upload it to the Zoo website.</p> <p>7.Requirement to ensure exceptional standards for animal welfare are met and maintained throughout the life of the Development (refer to Conditions C18, C19).</p> <p>8.Requirement to report unexpected finds (refer to Conditions C23-C25).</p> <p>9.Any importation or exportation of material to and from site must follow the requirements stipulated in the SSD and must be made known to the manager, and recorded (refer to Conditions C26, C27, C40)</p> <p>10.All staff shall implement all reasonable and feasible measures to minimise dust and odour emissions (refer to Condition C33).</p> <p>11.Quantities of dangerous goods stored and handled at the site shall be below the threshold quantities listed in the Department's Hazardous and Offensive Development Application Guidelines – Applying SEPP 33 at all times (refer to Condition C35)</p> <p>12.All chemicals, fuels and oils used on-site shall be appropriately banded areas in accordance with the requirements of all relevant Australian Standards, and/or the EPA's Storing and Handling of Liquids: Environmental Protection – Participants Handbook. (refer to Condition C36)</p> <p>13.The Applicant is to consult with the EPA regarding any regulated materials including radiation materials and obtain appropriate permits in accordance with the Radiation Control Act 1990. (refer to Condition C37)</p> <p>14.Incident reporting requirement for incident involving bodily harm as well as incident that has the potential of causing or threatening material harm to the environment, such as fuel, cleaning chemicals, or other chemical spill, wastewater/dam/pond run-off to adjacent areas, notable rubbish overflow or carried over the adjacent property.</p> <p>15.Waste segregation requirement and disposal of all materials to a suitably licenced waste management/landfill facility. (refer to SSD Appendix B)</p> <p>16.Waste collection requirement (acceptable pick-up time, handling and daily collection requirement from the back of the house). The collection of waste generated during the operation of the Development does not occur after 6:00pm on any day. (refer to Condition C42)</p> <p>17.Requirement to ensure the lighting shall comply with the latest version of AS 4282 (INT) and does not create a nuisance to surrounding properties or the public road network (refer to Condition C47)</p> <p>18.Ferris wheel light is only operated when the Ferris wheel is in use after sunset (refer to Condition C47C).</p> <p>19.Site shall be routinely monitored for waste accumulation, littering and general tidiness. (refer to SSD Appendix B)</p> <p>20.Maintain access roads and tracks within the site and consider the following ongoing management of any buildings and landscaped areas: a. Removal of combustible material, particularly litter in gutters, near buildings. b. Removing excess amounts of fuel from garden areas (including organic mulch). c. Ensuring garden plantings do not overhang any buildings, tree canopies are discontinuous, and shrubs are not positioned within two metres of buildings.</p> <p>21.Implement appropriate hazard reduction program in consultation with Western Sydney Parklands and Cumberland Zone Rural Fire Service where woodland vegetation is within or above threshold. (refer to SSD Appendix B)</p> <p>22.Requirement for ongoing weed control to reduce the impacts of edge effects on adjacent vegetation. (refer to SSD Appendix B)</p> <p>23. Bushfire Emergency evacuation routes. (refer to SSD Appendix B)</p> <p>24.A clear reference to site OEMP and its sub-plans (providing a link to OEMP and sub-plans).</p> <p>25.Summarise the key requirements stipulated in OEMP and sub-plans such as those s in OEMP Section 6.1.1 to 6.1.11.</p> <p>26. Report siting of Threatened Species to OEH Atlas of NSW Wildlife.</p>				

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G31	SSD 7228 Mod11	B22	Compliance	The Applicant shall be responsible for environmental impacts resulting from the actions of all persons that it invites onto the site, including contractors, sub-contractors and visitors.	Condition noted.				
G32	SSD 7228 Mod11	B23	Operation of Plant and Equipment	The Applicant shall ensure that all plant and equipment used for the Development is: <ol style="list-style-type: none"> maintained in a proper and efficient condition; and operated in a proper and efficient manner. 	Interview: - Zoo (PT) stated that plant and equipment such as green machine and mowers are maintained regularly. Record sighted: - Zoo (DB) internal email to Zoo account (AF) on 22/03/2024 to generate PO for Kubota ride-on lawn mower Annual service to Australian Hammer Supplies Pty Ltd. Zoo (PT) stated that the Kubota is serviced every six months, or if there is any issue. - Zoo (RW) internal email from Operations Manager to a few Zoo staff pertaining Green machine servicing that took place on 6 December 2023. - Zoo (DB) internal email to Zoo account (AF) on 17/01/2024 to generate PO for Honda push mower service to Western Mowers and Chainsaws Pty Ltd. - Email from Westshell Pty Ltd (1/12/2022), who operates the Ferris wheel, which provides a process of maintenance and maintenance recording. Samples of daily, weekly and monthly maintenance records and work order were provided and sighted. - Penrith Toyota Tax Invoice for 18 months/30,000km service and/or repairs for Van with rego No. YLX31C, YLX14M in April and May 2023 noting that unit is still under warranty. - Avant Equipment maintenance (30 November 2021, 8 October 2021, 26 May 2022, 10 June 2022, 12 December 2023) for Avant528, Avant745 - Golf cart buggy (electric car) repair (26 February 2024)				
SCHEDULE C. ENVIRONMENTAL PERFORMANCE AND MANAGEMENT									
G33	SSD 7228 Mod11	C1	Traffic and Access	No work associated with the Development shall be carried out on land owned by RMS without consent of RMS.	Interview: - Zoo (PT) stated that there is no development work has been carried out at RMS land. Observation: - No development was observed outside the boundary of the approved plan.				
G34	SSD 7228 Mod11	C2	Parking	The Applicant shall provide sufficient parking facilities on the site during both construction and operation, including for heavy vehicles and for site personnel, to ensure that traffic associated with the Development does not utilise public and residential streets or public parking facilities. Where there is an overflow, the Applicant must implement reasonable and feasible measures to minimise queuing on the surrounding road network. Detail of these measures shall be presented within the Operational Traffic Management Plan (see Condition C5).	Record sighted: - TTPP (21 March 2023) Operational Transport Management Plan: - Section 5.3, 6.2, 6.3, and 6.4 addressed this condition. The has approximately 1,000 car parking spaces with Sydney Motorsport Park has been undertaken to coordinate the overflow parking arrangement. Observation: - Sufficient parking facilities were observed.				
G35	SSD 7228 Mod11	C3	Construction Traffic Management Plan	The Applicant shall prepare a Construction Traffic Management Plan for the Development which will form part of the CEMP in Condition D1 of this consent. The plan shall: <ol style="list-style-type: none"> be prepared by a suitably qualified and experienced person, in consultation with TfNSW, RMS and Council; detail the measures that would be implemented to ensure road safety and network efficiency during earthworks and construction; detail heavy vehicle routes, access and parking arrangements; include a Driver Code of Conduct to: <ul style="list-style-type: none"> minimise the impacts of construction on the local and regional road network; minimise conflicts with other road users; ensure truck drivers use specified routes; include a program to monitor the effectiveness of these measures; and if necessary, detail procedures for notifying residents and the community (including local schools), of any potential disruptions to routes. 	This Condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this Audit as this Audit is for operation stage.				

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G36	SSD 7228 Mod11	C4	Operating Conditions	<p>The Applicant shall ensure:</p> <ol style="list-style-type: none"> internal roads, driveways and parking (including grades, turn paths, sight distance requirements, aisle widths, aisle lengths and parking bay dimensions) associated with the Development are constructed and maintained in accordance with the latest version of AS 2890.1 and AS 2890.2; the swept path of the longest vehicle entering and exiting the site, as well as manoeuvrability through the site, is in accordance with the relevant AUSTROADS guidelines; heavy vehicles and bins associated with the Development are not parked on local roads or footpaths in the vicinity of the site; all loading and unloading of materials is carried out on-site; all trucks entering or leaving the site with loads have their loads covered and do not track dirt onto the public road network; and the proposed turning areas in the car park are kept clear of any obstacles, including parked cars, at all times. 	<p>Record sighted:</p> <ul style="list-style-type: none"> - TTPP (21 March 2023) Operational Transport Management Plan. Appendix D (App I) addressed condition C4 (b). <p>Observation:</p> <ul style="list-style-type: none"> - No trucks were observed entering or exiting the site. - There was adequate room for large vehicles onsite. - No unloading of material was observed onsite. - Turning areas in the car park were kept clear of obstacles. - No heavy vehicles or bins were parked on local roads or footpaths. 				
G37	SSD 7228 Mod11	C4A	Coach Layover Areas	<p>The Applicant must ensure:</p> <ol style="list-style-type: none"> the total number of coaches to be parked within the car park (including both formal and informal car park areas) before 9 am is limited to a maximum of 25 coaches; all coaches arriving and departing the Development before 9 am are restricted to parking in the designated layover areas specified in Drawing No. 18313CAD05-Figure 1 dated 28 June 2022 Revision A, titled 'Sydney Zoo 14.5m Shuttle Bus Layover Area Location' prepared by The Transport Planning Partnership (Appendix E of this consent); the 21 spaces within the coach layover areas in the north western portion of the formal car park, identified on Drawing No. 18313CAD05-Figure 1 dated 28 June 2022 Revision A, titled 'Sydney Zoo 14.5m Shuttle Bus Layover Area Location' prepared by The Transport Planning Partnership, are not used after 9 am <p style="text-align: center;">APPENDIX E COACH LAYOVER PLAN</p> 	<p>Record sighted:</p> <ul style="list-style-type: none"> - TTPP (21 March 2023) Operational Transport Management Plan: - App H Section 3 & 4.1 addressed condition 4A (a) - App H (Section 3.5 & App B) and Section 1.3 and App A addressed condition 4A(b) and 4©. <p>Observation:</p> <ul style="list-style-type: none"> - No coaches were observed before 9am. - Coaches were not observed to park in the general parking area. One coach was observed at the designated carpark area. 				
G38	SSD 7228 Mod11	C5	Operational Traffic Management Plan	<p>The Applicant shall prepare an Operational Traffic Management Plan for the Development which will form part of the OEMP in Condition D4. The plan shall:</p> <ol style="list-style-type: none"> be prepared by a suitably qualified and experienced person, in consultation with TfNSW, RMS and Council; include detail of specific management measures to be implemented during the initial year of operations to address potentially higher than anticipated visitation; include detail of management measures for parking, traffic and transport during high visitation periods (particularly under any operating times considered under the 'peak' scenario in the EIS) including allocated arrival times, off-peak ticketing and the promotion of public transport); include details and analysis of how the largest vehicle can enter and exit the site access, site carpark and loading areas; and include detail of management measures to be implemented to minimise impacts offsite, including impacts upon the local road network, public transport services and pedestrian access. 	<p>Record sighted:</p> <ul style="list-style-type: none"> - TTPP (21 March 2023) Operational Transport Management Plan: - Section 2, Appendix A & H (App I) addressed condition 5 (a). - Appendix H (Section 4) addressed condition 5(b), 5(c) and 5(e). - Appendix H (Section 3.1 and App C) addressed condition 5(d) 				

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G39	SSD 7228 Mod11	C5A	Operational Traffic Management Plan	The Applicant must update the Operational Traffic Management Plan for the Development prior to the commencement of any activities approved under MOD 3 and MOD 9 to the consent. The updated plan must: a) be prepared by suitably qualified and experienced person; b) be prepared to the satisfaction of the Planning Secretary; c) include details of specific management measures for parking, traffic and transport to facilitate the private zoo experiences / guided tours that are carried out between 7:30 am and 9 am at the site; and d) incorporate the restrictions identified in Condition C4A regarding the use of the coach layover areas.	Record sighted: - TTPP (21 March 2023) Operational Transport Management Plan: - Appendix H (App I) addressed condition 5A(a). - Appendix H (Section 4) addressed condition 5A(c). - Appendix H (Section 3.1 and 4) addressed condition 5A(d) Evidence of the satisfaction from the Planning Secretary: - Planning Secretary letter (18 October 2019) Sydney Zoo (SSD 7228) Approval of Operational Environmental Management Plan. It is noted that this approval is for OEMP and Operational Transport Management Plan dated 2019, Work Place Travel Plan, Heritage Interpretation Plan, and Aboriginal Cultural Experience Strategy dated 2018. - Planning Secretary letter (26 April 2022) The Sydney Zoo (SSD-7228-Mod-7) Updated Operational Transport Management Plan. - Planning Secretary letter (27 March 2023) Updated Operational Transport Management Plan – Sydney Zoo (SSD-7228, as modified).				
G40	SSD 7228 Mod11	C5B	Operational Traffic Management Plan	The Applicant must update the Operational Traffic Management Plan for the Development prior to the commencement of any activities approved under MOD 7 to the consent. The updated plan must: a) be prepared by suitably qualified and experienced person; b) be prepared to the satisfaction of the Planning Secretary; and c) include details of specific management measures for parking, traffic and transport to facilitate the undertaking of <u>temporary and community events and use of the site as a function centre.</u>	Record sighted: - TTPP (21 March 2023) Operational Transport Management Plan: - Appendix H (App I) addressed condition 5B(a). - Appendix G (Section 3.2-3.4 and 4) addressed condition 5B© Evidence of the satisfaction from the Planning Secretary: - Planning Secretary letter (18 October 2019) Sydney Zoo (SSD 7228) Approval of Operational Environmental Management Plan. It is noted that this approval is for OEMP and Operational Transport Management Plan dated 2019, Work Place Travel Plan, Heritage Interpretation Plan, and Aboriginal Cultural Experience Strategy dated 2018. - Planning Secretary letter (26 April 2022) The Sydney Zoo (SSD-7228-Mod-7) Updated Operational Transport Management Plan. - Planning Secretary letter (27 March 2023) Updated Operational Transport Management Plan – Sydney Zoo (SSD-7228, as modified).				
G41	SSD 7228 Mod11	C5C	Traffic Verification Report	Within six months of the commencement of activities approved under MOD 3 and MOD 9, the Applicant must prepare and submit a Traffic Verification Report to the <u>satisfaction of the Planning Secretary</u> . The Report must: a) be prepared by a suitably qualified traffic consultant; b) <u>quantify the mode share between coach and private vehicles</u> for the private zoo experiences / small group tours commencing between the hours of 7:30 am and 9 am; c) verify the total traffic impacts of the private zoo experiences / small group tours commencing during the hours of 7:30 am and 9 am on the capacity, efficiency and safety of the road network using SIDRA or similar traffic modelling; and d) provide details of any management of mitigation measures required, including any upgrades or changes in services required for the Development, and a timetable for the implementation of any required actions.	Record sighted: - TTPP (28 March 2024) Request for Extension for Traffic Verification Report. Director of TTPP states that "approximately 100 tourists per day between January 2024 and March 2024 prior to 9am. These visitation numbers are well less than the 1,500 person limit permitted as part of Mod 9. As such, there are no traffic impacts between 7.30am and 9am, and no management or mitigation measures are required at this stage. Given this, it is proposed that a Traffic Verification Report be prepared and provided to the Planning Secretary when visitation prior to 9am increases substantially to enable the relevant data to be obtained and verified." - DPHI email (8 April 2024) requesting the Traffic Verification Report to be provided. - Sydney Zoo (11 April 2024) email to the Traffic consultant to prepare Traffic Verification Report.	This item has been considered as non-compliant as the Traffic Verification Report has not been prepared within 6 months of the commencement of MOD 3 and MOD 6, however the Auditor notes that Sydney Zoo had attempted to request for an extension of this timing and has now engaged a consultant to prepare the Traffic Verification Report. Therefore, no further recommendation was made.			
G42	SSD 7228 Mod11	C5D	Traffic Verification Report	Within three months of the conclusion of the Sydney Zoo Light Festival 2021 event held at the site in July and August 2021 or an equivalent temporary and community event agreed to by the Planning Secretary, the Applicant must prepare and submit a Traffic Verification Report. The Report must: a) be prepared by a suitably qualified traffic consultant to the satisfaction of the Planning Secretary; b) quantify the mode share for any event being held between the hours of 4 pm and 11 pm; c) verify the total traffic impacts of all activities commencing, or being undertaken, during the hours of 4 pm and 11 pm throughout the duration of the Sydney Zoo Light Festival 2021 event (or equivalent approved event) on the capacity, efficiency and safety of the road network using SIDRA or similar traffic modelling; and d) provide details of any management of mitigation measures required, including any upgrades or changes in services required for the Development, and a timetable for the implementation of any required actions.	Record sighted: - TTPP (10 June 2022) Sydney Zoo – MOD 7 – Extension of Night-time Events Traffic Verification Report. Section 3, 4, and 5 address this condition. It is noted that "the results demonstrate that additional mitigation measures are not required by the Sydney Zoo to hold night-time events and festivals." - DPE (16 December 2022) Traffic Verification Report – Sydney Zoo Glow Festival (SSD-7228, as modified). Letter states "The Department has reviewed the Traffic Verification Report and additional information submitted on 14 September 2022 and 3 November 2022 in consultation with Transport for NSW (TfNSW) and is satisfied the Traffic Verification Report and additional information satisfies the requirements of condition C5D of the consent."				

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G43	SSD 7228 Mod11	C6	Work Place Travel Plan	Prior to the commencement of operation of any part of the Development, the Applicant shall prepare and implement a Work Place Travel Plan as part of the Operational Traffic Management Plan detailed in Condition C5, in consultation with TfNSW. The Work Place Travel Plan shall: a. outline <u>facilities and measures to promote public transport</u> usage, such as <u>car share</u> schemes and <u>employee incentives</u> that would achieve a public transport mode share of 25%; b. describe pedestrian and bicycle linkages and end of trip facilities available on-site; and c. be implemented for the life of the Development.	Record sighted: - Ethos Urban (29 November 2018 updated 8 March 2021) Work Place Travel Plan address this condition. Work Place Travel Plan is part of Operational Traffic Management Plan. - Blacktown Council email correspondence (4 November 2022) confirming review of Operational Traffic Management Plan.				
G44	SSD 7228 Mod11	C7	Socio-Economic	Prior to the commencement of construction, the Applicant shall provide a dedicated Community Hotline phone number and email address for the provision of information relating to the Development and to make any complaints. This Community Hotline is to be monitored during construction and operation of the Development. The details of these services are to be provided to the residents of Bungarribee, made available on the main website of the Development and placed on any public communications commissioned by the Applicant in relation to the Development.	Record sighted: - https://sydneyzoo.com/about/contact-us/ provided phone number (02 7202 2560) and feedback form. Auditor has contacted the number on 19 March 2024 around 10.40AM. The process is in place to address complaint, operator (Harry) stated that he can help escalate the complaint or we can write to info@sydneyzoo.com . - Complaint record is available in Sydney Zoo website (https://sydneyzoo.com/about/government-approval/). - REVIEW OF ENVIRONMENTAL PERFORMANCE OF SYDNEY ZOO (December 2022) and Annual Review January 2023 - December 2023. The annual reviews state "Since the opening of the Zoo, there have been no complaints received regarding the environmental performance of the zoo" and "No complaints have been received during the period of this Annual Review." (2023). Previously it was noted that Ethos Urban Consultation Outcomes Report (25 September 2019) includes letterbox drop for surrounding residents and landowners for meeting at Community Town Hall.				
G45	SSD 7228 Mod11	C8	Socio-Economic	Prior to the commencement of construction the Applicant shall prepare, in consultation with the Planning Secretary, a Community Engagement Plan for the construction and operation of the Development to the satisfaction of the Planning Secretary. The plan shall: a. include a profile of the surrounding community and identify key stakeholders and community members and groups; b. include detail of procedures and mechanisms used to consult the community and stakeholders on the Development's progress and other issues; c. include detail of the opportunities for the community of Bungarribee to be involved with the Development during construction and operation (i.e. as part of decision-making, employment or as visitors through an alternate pricing structure); d. (include detail of how the Community Hotline and email address (as required by Condition C7) will be managed and monitored; e. detail the methods for ongoing engagement with identified key stakeholders and community members and groups (including a commitment to face-to-face meetings at least four times per year); and f. include adaptive management strategies that may be implemented to address any anticipated or unanticipated social issues that may arise.	Record sighted: - Planning Secretary letter (18 October 2019) Sydney Zoo (SSD 7228) Approval of Operational Environmental Management Plan (5 April 2019). Community Consultation and Engagement Plan is attached as Appendix I in 2019 OEMP.				
G46	SSD 7228 Mod11	C9	Development of Regional Tourism	Prior to the commencement of operations, the Applicant shall submit a report to the satisfaction of the Planning Secretary demonstrating it has made genuine and reasonable attempts to consult with local recreational facilities and businesses (including Featherdale Wildlife Park) to enhance regional tourism in conjunction with the Development. The report shall include: a. details of how the operation of the Development will differ from the existing recreational facilities and businesses; b. detail consultation undertaken with local recreational facilities and businesses; c. outline initiatives implemented to encourage and enhance continued operation in conjunction with local recreational facilities and businesses; d. detail the success or otherwise of these initiatives using recognised social indicators; and e. include detail of the additional activities that will be undertaken for the duration of the Development. The Planning Secretary may request updates on these initiatives at any time.	Record sighted: - Planning Industry and Environment (18 October 2019) letter to Sydney Zoo Managing Director states "Report on Initiatives to Enhance Regional Tourism dated 31 May 2019 meets the requirements of Condition C9 and is approved." - Sydney Zoo (31 May 2019) Report on Initiatives to Enhance Regional Tourism.				

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G47	SSD 7228 Mod11	C10	Stormwater and Drainage - Discharge Limits	The Development shall comply with section 120 of the POEO Act, which prohibits the pollution of waters	<p>Record sighted:</p> <ul style="list-style-type: none"> - Consulting Earth Scientist (18 December 2017) Proposed Water Quality Monitoring Programme. Sydney Zoo site, Bungarribee Super Park, Doonside NSW. WQMP (18 December 2017) was approved by the Planning Secretary in a letter dated 20 December 2017. The same WQMP (18 December 2017) is attached to the OEMP dated 5 April 2019. - EPA email dated 24 November 2020 to the Zoo Managing Director states that EPA does not have an ongoing regulatory role and EPA decided that they will not provide any further comments on the water quality program or assessment. <p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that given the correspondence from EPA, they no longer conducted water monitoring. Sydney Zoo noted that no discharge has occurred as water is fully reticulated. The only reason water would be discharged is during a heavy rain event, which has not occurred. - Zoo (PT) stated that stormwater at the site is directed to the dam onsite, which is then pumped to the pond at the eastern part and filtered, before recirculated around the site. <p>Observation:</p> <ul style="list-style-type: none"> - Dam and pond observed. Also observed stormwater drains in the carpark area and roof runoff. - No evidence of water pollution exiting the site observed. 				
G48	SSD 7228 Mod11	C11	Stormwater Drainage	The Applicant shall prepare a final Stormwater Drainage Plan for the Development in consultation with Council and in accordance with the Blacktown Development Control Plan 2015. The final Stormwater Drainage Plan shall form part of the application for a construction certificate.	This Condition is only applicable to construction stage. Hence this Condition is considered as non-triggered in this Audit as this operational Audit.				
G49	SSD 7228 Mod11	C12	Water Quality Monitoring Program	<p>Prior to the commencement of construction, the Applicant shall prepare, in consultation with EPA, a Water Quality Monitoring Program for the construction and operation of the Development to the satisfaction of the Planning Secretary. The plan shall:</p> <ol style="list-style-type: none"> be generally in accordance with the information provided within the Supplementary Information; detail of additional monitoring information that is to be collected to validate all of the assumptions made within the EIS. Water quality monitoring is to be in accordance with the EPA's guideline 'Approved Methods for the Sampling and Analysis of Water Pollutants in NSW'; include sampling of analytes presented within the Supplementary Information, in addition to oxides of nitrogen (as nitrogen), filterable reactive phosphorus (as phosphorus) and dissolved oxygen (% saturation); include a sampling frequency schedule that is to include sampling at every discharge point at least twice per month until the performance of the system has been validated by the EPA; and include a protocol detailing the remedial action/s that will be undertaken in the event that satisfactory treatment performance in accordance with ANZECC (2000) has not been achieved including when each triggered remedial action would be completed. 	<p>Record sighted:</p> <ul style="list-style-type: none"> - Consulting Earth Scientist (18 December 2017) Proposed Water Quality Monitoring Programme. Sydney Zoo site, Bungarribee Super Park, Doonside NSW. WQMP (18 December 2017) was approved by the Planning Secretary in a letter dated 20 December 2017. The same WQMP (18 December 2017) is attached to the OEMP dated 5 April 2019. - EPA email dated 24 November 2020 to the Zoo Managing Director states that EPA does not have an ongoing regulatory role and EPA decided that they will not provide any further comments on the water quality program or assessment. 	<p>Recommendation: Sydney Zoo should inform DPHI on the EPA's advice that water monitoring is no longer required. The DPHI advice will be required on the cessation of the Water Quality Monitoring Program for the site.</p>			
G50	SSD 7228 Mod11	C13	Biodiversity	Prior to undertaking any clearing of 'Grey Box – Forest Red Gum grassy woodland on flats of the Cumberland Plain, Sydney Basin Bioregion (HN 528)', or activities that have the potential to impact upon the endangered ecological community 'Grey Box – Forest Red Gum grassy woodland on flats of the Cumberland Plain, Sydney Basin Bioregion (HN 528)' the Applicant shall purchase and retire FIVE ecosystem credits to offset the impacts of the Development upon this endangered ecological community. The ecosystem credits shall be determined in consultation with OEH and in accordance with the assessment presented within the EIS and RTS	This Condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this Audit as this Audit is for operation stage.				
G51	SSD 7228 Mod11	C14	Biodiversity	No development is to occur in areas indicated as 'Existing Vegetation to retain' within Appendix D.	The Auditor's review of Nearmap 13 March 2024 indicates vegetation remained in the area of "Existing Vegetation to retain" in Appendix D of the consent.				

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G52	SSD 7228 Mod11	C15	Biodiversity Management Plan	The Applicant shall prepare and implement a Biodiversity Management Plan for the Development to the satisfaction of the Planning Secretary. The plan shall: a. be prepared by a qualified ecologist in consultation with the OEH, RFS, Council and Western Sydney Parklands Trust; b. be approved by the Planning Secretary prior to the commencement of any works on the site; c. include measures to be taken to minimise impacts upon flora and fauna; and d. include a Cumberland Plain Woodland Plan of Management (see Condition C16).	Record sighted: - ecoLogical Australia (October 2017) Sydney Zoo – Bungarribee South Biodiversity Management Plan and Cumberland Plain Woodland Management Plan. Document addresses this Condition. Previous audit has identified that the approval obtained in Planning Secretary letter dated 29 November 2019.				
G53	SSD 7228 Mod11	C16	Cumberland Plain Woodland Plan of Management	The Applicant shall prepare and implement a Cumberland Plain Woodland Plan of Management for the Development to protect, manage and enhance the Cumberland Plain Woodland on the site and in the immediate surrounds. This plan will form part of the Biodiversity Management Plan in Condition C15 and shall: a. be prepared by a qualified ecologist in consultation with the OEH, RFS, RMS, TfNSW and Western Sydney Parklands Trust; b. include detail of the plant species, management zones, vegetation monitoring, weed control measures, planting methodology and regeneration monitoring; c. include detail of all Cumberland Plain Woodland areas on the site of the Development and detail how these areas shall be suitably fenced and environmental qualities recognised (e.g. signage); and d. shall be implemented as part of the landscaping works and shall be maintained by or on behalf of the Applicant in perpetuity of the Development.	Record sighted: - ecoLogical Australia (October 2017) Sydney Zoo – Bungarribee South Biodiversity Management Plan and Cumberland Plain Woodland Management Plan. Document address this Condition. Previous audit has identified that the approval obtained in Planning Secretary letter dated 29 November 2019.				
G54	SSD 7228 Mod11	C17	Fencing	All areas of Cumberland Plain Woodland identified for retention in the EIS shall be protected by suitable, fencing and signage during construction and operation. The fencing is to be constructed prior to the commencement of works.	Observation: - Fencing around the Cumberland Plain Woodland observed.				
G55	SSD 7228 Mod11	C18	Animal Welfare and Best Practice	The Applicant shall implement best practices and comply with all relevant guidelines, including but not limited to the National Zoo Biosecurity Manual, 2011, to ensure exceptional standards for animal welfare are met and maintained throughout the life of the Development.	Record sighted: - Zoo Aquarium Association Australasia (July 2023) Accreditation Online Assessment Report. - Zoo Aquarium Association Australasia (15 August 2023) Site Visit Assessment Report. "The site review for Sydney Zoo aligned with the findings of the online review. There were no major concerns raised from the site review, and in general other species viewed that were not selected for the online review, and facilities of the park, were also in keeping with the outcomes of the online review." The review scope includes: "To confirm all on-site observations aligned with outcomes detailed in the Online review report; • Observing species that were sampled for online review • Observing animals listed in members Declaration Form • Observing AVI animals • Observing general grounds and other species in general • Observing Policy and Procedures • Observing Conservation Activities • Confirming no other items relevant to accreditation assessment were omitted (Welfare, Safety, Biosecurity, Sustainability & Conservation related)" - Zoo Aquarium Association Australasia Accreditation Final Report states that next accreditation renewal is 30 June 2026. - Email from Zoo and Aquarium Association (ZAA) dated 3 April 2024 (Cc-ed the ZAA Director Accreditation and Animal Welfare Assessment) states that "ZAA Audit requires members to be familiar with the National Zoo Biosecurity Manual, so that if a biosecurity incident occurs there is familiarity with the Tool, and the process and the management practices required to appropriately manage a situation." " ZAA Audit measures a members' ability to provide positive experiences for the animals in their care, versus the Protection Act/ Regulations which measures an organisation's ability to provide animal care i.e. ZAA measures outputs (positive welfare) and the NSW EAP Act/Regulations speak to inputs and minimum requirements of care. If a member is able to demonstrate capacity for their animals' positive experiences, these measures are considered to be a higher benchmark versus minimum provisions for animal care."				

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G56	SSD 7228 Mod11	C19	Animal Welfare and Best Practice	The Development shall comply with the NSW Exhibited Animals Protection Act 1986, the NSW Exhibited Animals Protection Regulation 2010 and the NSW Biosecurity Act 2015.	Record sighted: - Zoo Aquarium Association Australasia (July 2023) Accreditation Online Assessment Report. - Zoo Aquarium Association Australasia (15 August 2023) Site Visit Assessment Report. "The site review for Sydney Zoo aligned with the findings of the online review. There were no major concerns raised from the site review, and in general other species viewed that were not selected for the online review, and facilities of the park, were also in keeping with the outcomes of the online review." The review scope includes: "To confirm all on-site observations aligned with outcomes detailed in the Online review report; • Observing species that were sampled for online review • Observing animals listed in members Declaration Form • Observing AVI animals • Observing general grounds and other species in general • Observing Policy and Procedures • Observing Conservation Activities • Confirming no other items relevant to accreditation assessment were omitted (Welfare, Safety, Biosecurity, Sustainability & Conservation related)" - Zoo Aquarium Association Australasia Accreditation Final Report states that next accreditation renewal is 30 June 2026. - Email from Zoo and Aquarium Association (ZAA) dated 3 April 2024 (Cc-ed the ZAA Director Accreditation and Animal Welfare Assessment) states that "ZAA Audit requires members to be familiar with the National Zoo Biosecurity Manual, so that if a biosecurity incident occurs there is familiarity with the Tool, and the process and the management practices required to appropriately manage a situation." " ZAA Audit measures a members' ability to provide positive experiences for the animals in their care, versus the Protection Act/ Regulations which measures an organisation's ability to provide animal care i.e. ZAA measures outputs (positive welfare) and the NSW EAP Act/Regulations speak to inputs and minimum requirements of care. If a member is able to demonstrate capacity for their animals' positive experiences, these measures are considered to be a higher benchmark versus minimum provisions for animal care."				
G57	SSD 7228 Mod11	C20	Animal Welfare and Best Practice	The Applicant shall obtain all relevant approvals and design all exhibits in consultation with the Department of Primary Industries – Animal Welfare Unit.	Record sighted: - Department of Primary Industries (22 December 2023) Form G – Approval Letter and IOD – Emperor Tamarin and Cotton-top Tamarin Alteration (Exhibit 2). Appendix 1 - Instrument of Decision dated 20 December 2023- Department of - Primary Industries (28 March 2024) Form G – Approval Letter and IOD – Squirrel Monkey (Exhibit 3). Appendix 1 - Instrument of Decision dated 24 March 2023.				
G58	SSD 7228 Mod11	C21	Aboriginal Heritage Aboriginal - Cultural Experience	The Applicant is to collaborate with Muru Mittigar and Registered Aboriginal Parties consulted within the EIS to the satisfaction of the Planning Secretary to establish a detailed Aboriginal Heritage Experience Strategy in conjunction with the display of Australian native animals, to the satisfaction of the Planning Secretary. This strategy will form part of the OEMP in Condition D4 and shall: a. be prepared by a suitably qualified and experienced heritage consultant; b. include detail of infrastructure, signage and various other materials to ensure the Australian native animal exhibits of the Development are fully integrated with the presentation of Aboriginal heritage; c. outline how the experience will increase awareness and education in relation to Aboriginal heritage; d. demonstrate how direct contact with Australian native animals will enhance the education of Aboriginal culture; and e. demonstrate how Aboriginal people will have an ongoing participatory role in the experience.	Record sighted: - Muru Mittigar (5 November 2018) Sydney Zoo. Aboriginal Cultural Experience Strategy. - Planning Secretary letter (18 October 2019) Sydney Zoo (SSD 7228) Approval of Operational Environmental Management Plan (5 April 2019). Community Consultation and Engagement Plan is attached as Appendix I in 2019 OEMP.				

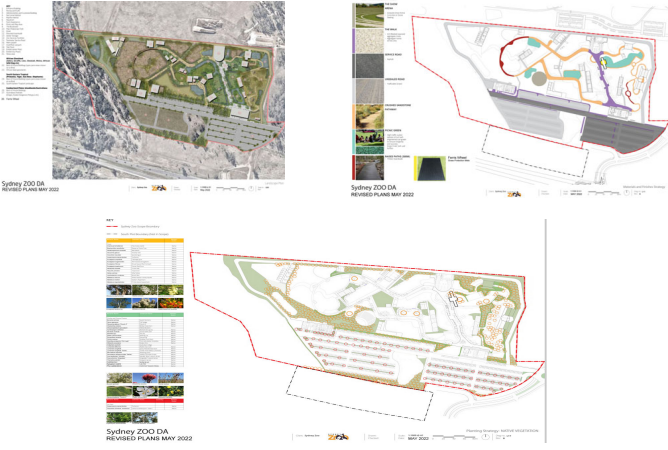
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G59	SSD 7228 Mod11	C22	Aboriginal Cultural Heritage Management Plan (ACHMP)	Prior to the commencement of construction, the Applicant shall prepare an ACHMP for PAD1 and PAD 2 (as identified within the EIS) outlining how these sites will be managed to the satisfaction of the Planning Secretary. The plan shall: a. be prepared by a suitably qualified and experienced expert in consultation with the Registered Aboriginal Parties; b. describe the procedures for reburial or management of artefacts retrieved during site investigations, if required; c. describe the measures to manage and/or protect any relics identified during construction and operation of the Development; d. ensure the legal protections under Section 86 of the National Parks and Wildlife Act 1974 are incorporated into any other relevant management plan of this consent, including the landscape plans; and e. describe the interpretive materials to be installed at the site.	Record sighted: - Muru Mittigar (5 November 2018) Sydney Zoo. Aboriginal Cultural Experience Strategy. - Planning Secretary letter (18 October 2019) Sydney Zoo (SSD 7228) Approval of Operational Environmental Management Plan. It is noted that this approval is for OEMP as well as Aboriginal Cultural Experience Strategy dated 2018.				
G60	SSD 7228 Mod11	C23	Unexpected Finds Protocol	If Aboriginal objects not identified within the EIS are uncovered during earthworks, excavation or disturbance, work in the immediate area must stop immediately and the Regional Operations Group of the OEH and the Registered Aboriginal Parties are to be consulted.	This Condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this Audit as this operational Audit.				
G61	SSD 7228 Mod11	C24	Heritage - Heritage Interpretation Plan	The Applicant shall prepare a Heritage Interpretation Plan to acknowledge the non-indigenous heritage of the site. The plan will form part of the OEMP in Condition D4 and shall: a. be prepared by a suitably qualified and experienced expert in consultation with the NSW Heritage Division and Council; b. include provision for naming elements within the Development that acknowledges the site's heritage, such as the name of the roadways within the estate; and c. incorporate interpretive information on any identified sites.	Record sighted: - artefact (26 November 2018) Sydney Zoo, Bungarribee Precinct. Heritage Interpretation Plan. The plan is an Appendix to OEMP (2019) and approved by the Planning Secretary on 18 October 2019.				
G62	SSD 7228 Mod11	C25	Heritage - Unexpected Finds Protocol	If any previously unidentified archaeological relics previously unidentified within the EIS are uncovered during the course of the construction of the Development, then all works shall stop immediately in that area and the OEH NSW Heritage Division contacted. Depending on the possible significance of the relics, an archaeological assessment may be required before further work can continue in that area.	This Condition is only applicable to construction stage. Hence this Condition is considered as non-triggered in this Audit as this operational Audit.				
G63	SSD 7228 Mod11	C26	Soils, Erosion and Sedimentation - Imported Soil	The Applicant shall ensure that any material imported and used as fill on the site: a. is VENM as defined in Schedule A; or b. meets the requirements of the EPA's Excavated Natural Material Order 2014, under the Protection of the Environment Operations (Waste) Regulation 2014.	Record sighted: - Dixon Sand Pty Ltd (15 January 2024) letter states that their product is VENM from a quarry located at Maroota suburb of New South Wales. - Holcim (25 September 2023) Supply of Holcim Natural Aggregates from Lynwood Quarry & Rooty Hill Distribution Centre. - Veolia (14 March 2024) Supply of Premium Garden Mix. Letter states "Premium Garden Mix is a blend of Sand and Pasteurised Garden Organics. This product complies with the "Resource Recovery Order under Part 9, Clause 93 of the Protection of the Environment Operations (Waste) Regulation 2014. The Pasteurised Garden Organics Order 2016".... "accordance with "AS4454 – 2012 Composts, Soil Conditioners and Mulches"." - Denrith Pty Ltd (13 February 2024) letter states that the decomposed granite that was supplied is from a quarry located near Collector, NSW. Observation: - No obvious presence of anthropogenic material including asbestos was observed at the mulch during site visit.	Recommendation: Observation of imported materials should be recorded on the potential presence of asbestos for future material importation. It may be prudent to also conduct asbestos testing to ensure the material does not contain asbestos.			
G64	SSD 7228 Mod11	C27	Soils, Erosion and Sedimentation - Imported Soil	The Applicant shall: a. keep accurate records of the volume and type of fill to be used; and b. make these records available to the Planning Secretary upon request.	Interview: - Zoo (PT) stated that no fill has been required on the site, other than mulch and VENM sand for animal habitats.	Recommendations: Should any soil material be imported for filling purpose, a register should be prepared to keep these records.			
G65	SSD 7228 Mod11	C28	Erosion and Sediment Control	Prior to the commencement of earthworks, the Applicant shall install and maintain suitable erosion and sediment control measures on-site, in accordance with the relevant requirements in the latest version of the Managing Urban Stormwater: Soils and Construction Guideline.	This Condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this Audit as this operational Audit.				

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G66	SSD 7228 Mod11	C29	Noise - Hours of Work	<p>The Applicant shall comply with the hours of work detailed in Table 2, unless otherwise agreed in writing by Council and the Planning Secretary.</p> <p><i>Table 2: Hours of Work</i></p> <table border="1"> <thead> <tr> <th>Activity</th> <th>Day</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Earthworks and construction</td> <td>Monday – Friday</td> <td>7:00am to 6:00pm</td> </tr> <tr> <td>Saturday</td> <td>8:00am to 1:00pm</td> </tr> <tr> <td>Operation</td> <td>Monday – Sunday</td> <td>See Condition B10</td> </tr> </tbody> </table>	Activity	Day	Time	Earthworks and construction	Monday – Friday	7:00am to 6:00pm	Saturday	8:00am to 1:00pm	Operation	Monday – Sunday	See Condition B10	See B10 (G10) for operation stage. Construction stage is not triggered in this Audit.													
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G67	SSD 7228 Mod11	C30	Noise - Hours of Work	<p>Works outside of the hours identified in Condition C29 (and B10) may be undertaken in the following circumstances:</p> <p>a. works agreed to in writing by the Planning Secretary;</p> <p>b. for the delivery of materials and/or animals required outside these hours by the NSW Police Force or other authorities for safety reasons; or</p> <p>c. where it is required in an emergency to avoid the loss of lives, property and/or to prevent environmental harm.</p>	<p>Interview:</p> <p>- Zoo (PT) stated that there has been no work undertaken outside the approved hours.</p>																								
G68	SSD 7228 Mod11	C31	Construction Noise	<p>The Development shall be constructed with the aim of achieving the construction noise management levels detailed in the Interim Construction Noise Guideline (Department of Environment and Climate Change, 2009). All feasible and reasonable noise mitigation measures shall be implemented and any activities that could exceed the construction noise management levels shall be identified and managed in accordance with the management and mitigation measures in the EIS.</p>	<p>This Condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this Audit as this operational Audit.</p>																								
G69	SSD 7228 Mod11	C32	Operational Noise Limits	<p>The Applicant shall ensure that noise generated by the operation of the Development does not exceed the noise limits in Table 3.</p> <p><i>Table 3: Project Specific Noise Limits (dB(A))</i></p> <table border="1"> <thead> <tr> <th>Receiver Location</th> <th>Day L_{Aeq}(15 minute)</th> <th>Evening L_{Aeq}(15 minute)</th> <th>10 pm to 12 midnight L_{Aeq}(15 minute)</th> <th>Night (after midnight) L_{Aeq}(15 minute)</th> </tr> </thead> <tbody> <tr> <td>Bungarribee, Eastern Creek</td> <td>51</td> <td>50</td> <td>47</td> <td>40</td> </tr> <tr> <td>Place of residence at R1 (Great Western Highway)</td> <td>57</td> <td>50</td> <td>50</td> <td>40</td> </tr> <tr> <td>S1 (Eastern Creek Primary School)</td> <td>45</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> </tbody> </table> <p><i>Note: Refer to Appendix C for the location of sensitive receivers.</i></p>	Receiver Location	Day L _{Aeq} (15 minute)	Evening L _{Aeq} (15 minute)	10 pm to 12 midnight L _{Aeq} (15 minute)	Night (after midnight) L _{Aeq} (15 minute)	Bungarribee, Eastern Creek	51	50	47	40	Place of residence at R1 (Great Western Highway)	57	50	50	40	S1 (Eastern Creek Primary School)	45	N/A	N/A	N/A	<p>Record sighted:</p> <p>- RWDI Australia (21 June 2022 revised on 6 July 2022) Sydney Zoo Glow Event – Noise Verification Report. "Conclusion: RWDI has prepared a Noise Verification Report to confirm that the operations of Sydney Zoo is compliant with the noise conditions of Approval (SSD 7228), specifically Conditions C32, C32A, C32C, and C32D. This Noise Verification Report was completed following the operation of a temporary and community evening (GLOW Light Festival 2022) as per Condition C32C-a.</p> <p>- Wilkinson Murray (5 July 2022) Sydney Zoo - Noise Verification Report. Report concluded that " This Noise Verification Report has been completed to satisfy Condition 32A of the Conditions of Consent. Sydney Zoo submitted this report to Blacktown City Council for review. The report was deemed appropriate by Blacktown City Council on 5 July 2022."</p> <p>- Department of Planning and Environment (12 August 2022) The Sydney Zoo (SSD-7228) Revised Noise Verification Report. ' The Department has reviewed the revised Report and considers it to generally satisfy Condition C32B, Schedule C of the Consent."</p> <p>Interview:</p> <p>- Zoo (PT) stated that there has not been any change to the equipment used that would alter the conclusion of the above reports.</p>				
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G70	SSD 7228 Mod11	C32A	Operational Noise Limits	The Applicant shall ensure that the LA10(15minute) noise generated from the use of the site as a function centre or by any temporary and community event held on site does not exceed the background noise level in any octave band centre frequency (31.5Hz–8kHz inclusive) by more than 5 dB between 7 am and 12 midnight at the boundary of any affected residence.	Record sighted: - RWDI Australia (21 June 2022 revised on 6 July 2022) Sydney Zoo Glow Event – Noise Verification Report. "Conclusion: RWDI has prepared a Noise Verification Report to confirm that the operations of Sydney Zoo is compliant with the noise conditions of Approval (SSD 7228), specifically Conditions C32, C32A, C32C, and C32D. This Noise Verification Report was completed following the operation of a temporary and community evening (GLOW Light Festival 2022) as per Condition C32C-a. - Wilkinson Murray (5 July 2022) Sydney Zoo - Noise Verification Report. Report concluded that " This Noise Verification Report has been completed to satisfy Condition 32A of the Conditions of Consent. Sydney Zoo submitted this report to Blacktown City Council for review. The report was deemed appropriate by Blacktown City Council on 5 July 2022." - Department of Planning and Environment (12 August 2022) The Sydney Zoo (SSD-7228) Revised Noise Verification Report. ' The Department has reviewed the revised Report and considers it to generally satisfy Condition C32B, Schedule C of the Consent."				
G71	SSD 7228 Mod11	C32B	Noise Verification Report	Within six months of the commencement of operation of the Development the Applicant must prepare a Noise Verification Report for the Development to the satisfaction of the Planning Secretary. The report must: a) be prepared by a suitably qualified acoustic consultant, with qualifications and experience consistent with the technical eligibility criteria for membership to the Association of Australian Acoustical Consultants or the Australia Acoustical Society; b) be prepared in consultation with Council; c) include an analysis of compliance with the noise limits specified in Condition C32 for all activities specified in Condition B10; d) include an outline of management actions to be taken to address any exceedances of the limits specified in Condition C32; and e) describe contingency measures in the event management actions are not effective in reducing noise levels to an acceptable level.	Record sighted: - RWDI Australia (21 June 2022 revised on 6 July 2022) Sydney Zoo Glow Event – Noise Verification Report. "Conclusion: RWDI has prepared a Noise Verification Report to confirm that the operations of Sydney Zoo is compliant with the noise conditions of Approval (SSD 7228), specifically Conditions C32, C32A, C32C, and C32D. This Noise Verification Report was completed following the operation of a temporary and community evening (GLOW Light Festival 2022) as per Condition C32C-a. - Wilkinson Murray (5 July 2022) Sydney Zoo - Noise Verification Report. Report concluded that " This Noise Verification Report has been completed to satisfy Condition 32A of the Conditions of Consent. Sydney Zoo submitted this report to Blacktown City Council for review. The report was deemed appropriate by Blacktown City Council on 5 July 2022." - Department of Planning and Environment (12 August 2022) The Sydney Zoo (SSD-7228) Revised Noise Verification Report. ' The Department has reviewed the revised Report and considers it to generally satisfy Condition C32B, Schedule C of the Consent."	This item was considered as non-compliant by the Planning Secretary because consultation with Blacktown City Council did not occur until 14 July 2020, after submission of the initial Report to the department on 28 May 2020. This is non-compliant with Condition C32B(b) of the Consent, which requires that the report must be prepared in consultation with Council. The non-compliance has been assessed in accordance with the department's Compliance Policy. It is noted that DPHI had assessed this non-compliance and has deemed the non-compliance not to require further action. Based on the above, no recommendation was made by the Auditor.			
G72	SSD 7228 Mod11	C32C	Noise Verification Report	A Noise Verification Report must be submitted to the satisfaction of the Planning Secretary at the following stages of the Development: a) within three months of the conclusion of the Sydney Zoo Light Festival 2021 event held at the site in July and August 2021 or an equivalent temporary and community event agreed to by the Planning Secretary; and b) within three months of the conclusion of the first twilight concert event held at the site.	Record sighted: - RWDI Australia (6 July 2022) Sydney Zoo Glow Event – Noise Verification Report. "Conclusion: RWDI has prepared a Noise Verification Report to confirm that the operations of Sydney Zoo is compliant with the noise conditions of Approval (SSD 7228), specifically Conditions C32, C32A, C32C, and C32D. This Noise Verification Report was completed following the operation of a temporary and community evening (GLOW Light Festival 2022) as per Condition C32C-a. - The Planning Secretary (1 August 2022) Noise Verification Report – Sydney Zoo Glow Festival (SSD-7228, as modified). The Department has reviewed the Noise Verification Report and was satisfied the document satisfied the requirements of conditions C32C(a) and C32D of the consent. Interview: - No Noise Verification Report was not conducted following the first twilight concert. The Zoo advised that it is unlikely to repeat the concert as it was not lucrative.	This item is considered non-compliant because Noise Verification Report was not conducted within three months of the first twilight concert. However, it is noted no complaint was recorded for the first twilight concert that that a noise verification had been conducted since then. No recommendation was made based on the outcome of the RWDI (6 July 2022) noise verification report.			

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G73	SSD 7228 Mod11	C32D	Noise Verification Report	The Noise Verification Report required by Condition C32C must: a) be prepared by a suitably qualified acoustic consultant, with qualifications and experience consistent with the technical eligibility criteria for membership to the Association of Australian Acoustical Consultants or the Australian Acoustical Society; b) be prepared in consultation with Council; c) include an analysis of compliance with the noise limits specified in Condition C32 and Condition C32A for any event held on site; d) include an outline of management actions to be taken to address any exceedances of the limits specified in Condition C32 and Condition C32A and a timetable for the implementation of any required actions; and e) describe contingency measures in the event management actions are not effective in reducing noise levels to an acceptable level.	Record sighted: - RWDI Australia (6 July 2022) Sydney Zoo Glow Event – Noise Verification Report. "Conclusion: RWDI has prepared a Noise Verification Report to confirm that the operations of Sydney Zoo is compliant with the noise conditions of Approval (SSD 7228), specifically Conditions C32, C32A, C32C, and C32D. This Noise Verification Report was completed following the operation of a temporary and community evening (GLOW Light Festival 2022) as per Condition C32C-a. - The Planning Secretary (1 August 2022) Noise Verification Report – Sydney Zoo Glow Festival (SSD-7228, as modified). The Department has reviewed the Noise Verification Report and was satisfied the document satisfied the requirements of conditions C32C(a) and C32D of the consent. - Sydney Zoo submitted the above report to Blacktown City Council for review. The report was deemed appropriate by Blacktown City Council on 6 July 2022.				
G74	SSD 7228 Mod11	C33	Air Quality - Dust Minimisation	The Applicant shall implement all reasonable and feasible measures to minimise dust and odour emissions generated during demolition, earthworks, construction and operation of the Development.	Observation: - The carpark was observed to be mostly paved, except for the carpark in the south-western part of the site. - The carpark in the south-western part of the site is partly grassed and comprises compacted sand. Zoo (PT) stated there is honeycomb matrix beneath the sand to minimise dust. No dust issue has required mitigation to date. - No unacceptable dust issue was observed. Interview: - Zoo (PT) stated it was not financially feasible to seal the area in the south-western part, which was recommended in the previous audit.				
G75	SSD 7228 Mod11	C34	Air Quality - Dust Minimisation	During construction and operation, the Applicant shall ensure: a. exposed surfaces are suppressed by regular watering; b. any vehicles (including patron vehicles) associated with the Development do not track dirt onto the public road network; c. public roads are to be kept clean at all times; and d. any exposed surfaces are to be stabilised as soon as practicable to minimise any dust generation.	Observation: - The carpark was observed to be mostly paved, except for the carpark in the north-western part of the site. - The carpark in the south-western part of the site is partly grassed and comprises compacted sand. Zoo (PT) stated there is honeycomb matrix beneath the sand to minimise dust. No dust issue has required mitigation to date. - No unacceptable dust issue was observed. Interview: - Zoo (PT) stated it was not financially feasible to seal the area in the south-western part, which was recommended in the previous audit.				
G76	SSD 7228 Mod11	C35	Dangerous Goods	The quantities of dangerous goods stored and handled at the site shall be below the threshold quantities listed in the Department's Hazardous and Offensive Development Application Guidelines – Applying SEPP 33 at all times.	Interview: - Zoo (PT) stated that were no quantities of dangerous goods in excess of the threshold quantities being stored on site. Record Sighted: - Chem Register PDF.				
G77	SSD 7228 Mod11	C36	Hazards and Risk Building	The Applicant shall store all chemicals, fuels and oils used on-site in appropriately banded areas in accordance with the requirements of all relevant Australian Standards, and/or the EPA's Storing and Handling of Liquids: Environmental Protection – Participants Handbook.	Observation: - Some chemicals were observed to be stored in the cleaning room within the food area. SDS was observed. - Some fuel (gasoline) was observed to be stored in paved storage area. Record Sighted: - Up to date softcopy SDS for diesel and unleaded petrol.				
G78	SSD 7228 Mod11	C37	Regulated Materials	The Applicant is to consult with the EPA regarding any regulated materials including radiation materials and obtain appropriate permits in accordance with the Radiation Control Act 1990.	Interview: - Zoo (PT) stated that no regulated materials including radiation materials are stored/used on site. Record Sighted: - Chem Register PDF does not indicate any radiation material.				

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G79	SSD 7228 Mod11	C38	Waste	The Applicant shall revise and update the Waste Management Plan provided as part of the EIS to include the following additional requirements: a. detail of onsite composting; b. a map of locations where composted materials are to be used; c. detail of measures to be implemented to minimise leachate generation and prevention of pollution of any waters, both offsite and onsite (ponds, dams, storage); and d. detail of how composting practices are being monitored.	Record sighted: - SLR (3 December 2015) Western Zoo Waste Management Plan: - Section 6.7: Composting and/or treatment alternatives to on-site composting of organic wastes have been investigated and opportunities have been identified nearby the site (at the UR3R facility). - Section 6.10: Sydney Zoo are investigating the practicality and feasibility of on-site processing of organic wastes generated at the zoo. Interview: - Zoo (PT) stated that there is no composting facility on site. The off-site composting facility used was Soilco at Kembla Grange (https://soilco.com.au/) This condition is considered as non-triggered due to the absence of composting facility on-site.				
G80	SSD 7228 Mod11	C39	Statutory Requirements	The Applicant shall assess and classify all liquid and non-liquid wastes to be taken off site in accordance with the EPA's Waste Classification Guidelines Part 1: Classifying Waste, November 2014, or its latest version and dispose of all wastes to a facility that may lawfully accept the waste.	Interview: - Zoo (PT) stated there has been no soil waste disposal. - Liquid waste is transported by Grasshopper Environmental Services which is listed in Sydney Water website as the Wastesafe transporter. - No waste classification is required given that all waste is preclassified under the NSW EPA (2014) Waste Classification Guidelines.				
G81	SSD 7228 Mod11	C40	Statutory Requirements	The Applicant shall retain all sampling and waste classification data for the life of the Development in accordance with the requirements of the EPA.	Interview: - No waste classification is required given that all waste is preclassified under the NSW EPA (2014) Waste Classification Guidelines.				
G82	SSD 7228 Mod11	C41	Statutory Requirements	Waste generated outside the site shall not be received at the site for storage, treatment, processing, reprocessing, or disposal.	Interview: - Zoo (PT) stated that no waste from outside the site has been received for disposal at the site. Noting there is also no composting facility on site.				
G83	SSD 7228 Mod11	C42	Statutory Requirements	The collection of waste generated during the operation of the Development not occur after 6:00pm on any day.	Interview: - Zoo (PT) stated that no waste is collected after 6pm on any day. - Zoo (PT) stated that the gate is locked after 5pm. At the time of the audit, the waste contractor was onsite at 8:30am.				
G84	SSD 7228 Mod11	C43	Waste Storage Areas	Prior to the commencement of operation of the Development, the Applicant shall obtain agreement from DPI (Animal Welfare Unit) for the design of the <u>waste storage area</u> for each exhibit area.	See also C20 (G57). Interview: - Zoo (PT) stated that exhibit areas utilise 240 Litre bins which are then emptied daily into the 15 cubic metre bin for offsite disposal by Soilco in the morning when the bin is reaching capacity or needs to be emptied. With the use of 240L bins, there is no waste storage for each animal exhibits. There is only one central waste storage area for the 15 cubic meter bin. Waste collector only comes to site when the site is on operation as waste collector does not have access to site unless staff grant them access. Staff is onsite from around 6.30AM to 5 PM. Record sighted: - Department of Primary Industries (22 December 2023) Form G – Approval Letter and IOD – Emperor Tamarin and Cotton-top Tamarin Alteration (Exhibit 2). Appendix 1 - Instrument of Decision dated 20 December 2023- Department of - Primary Industries (28 March 2024) Form G – Approval Letter and IOD – Squirrel Monkey (Exhibit 3). Appendix 1 - Instrument of Decision dated 24 March 2023. - Email correspondence that confirms waste collection at 9am on site. Record Sighted: - Zoo written response stating that "in order to obtain a licence to exhibit animals Sydney Zoo needed to satisfy a number of requirements including habitat design which includes waste areas. This process is set out on our website at: https://sydneyzoo.com/about/regulation/ . Sydney Zoo would not have been issued its licence without DPI signing off on all aspects of the requirements under the licence so the proof of approval from DPI is the issuing of the licence."	While the Auditor was unable to sight the DPI agreement specific to waste area, the Auditor was able to review DPI approvals for selected exhibits. Additionally, review of the waste practices indicated that no waste storage was available other than placement in plastic bins behind each exhibit. None of the waste was stored within the exhibit area. Therefore, this item has been considered as compliant.			
G85	SSD 7228 Mod11	C44	Waste Storage Areas	Waste shall be secured and maintained within designated waste storage areas at all times.	Observation: - Waste segregation was observed within the food areas, in the waste areas (adjacent to the office building) and in the vicinity of the back of the houses.				

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G86	SSD 7228 Mod11	C45	Visual Amenity - Landscaping	The Applicant shall maintain the landscaping and vegetation on the site for the life of the Development.	Observation: - Landscaping and vegetation were in maintained condition. No significant weeds were observed.				
G87	SSD 7228 Mod11	C45A	Visual Amenity - Landscaping	Prior to the commencement of operation of the permanent ferris wheel on the site, the Applicant must update the approved Landscape Master Plan to incorporate ground, landscape and fencing treatments around the ferris wheel. Appropriate design solutions should be adopted ensure the ferris wheel is integrated with the overall existing approved landscape design for the Development.	Record sighted: - Drawing No. L11 Revision B, dated May 2022 – Materials and Finishes Strategy, Sydney Zoo DA. - Drawing No. L17 Revision B, dated May 2022 – Planting Strategy – Native Vegetation, Sydney Zoo DA. - Drawing No. L03, dated May 2022 – Landscape Plan, Sydney Zoo DA.				
G88	SSD 7228 Mod11	C45B	Visual Amenity - Landscaping	The Applicant must: (a) not commence operation of the permanent ferris wheel until the updated Landscape Master Plan has been approved by the Planning Secretary; and (b) implement the updated Landscape Master Plan <u>approved by the Planning Secretary</u> for the life of the Development. 	Record sighted: - The Planning Secretary (1 August 2022) Landscape Master Plan – Ferris Wheel for Sydney Zoo (SSD-7228, as modified). " The Department has reviewed the Addendum Master Plan and additional information in consultation with Blacktown City Council (Council) and is satisfied the documents satisfy the requirements of condition C45A." Interview: - Zoo (PT) confirmed that the approved Landscape Master Plan will be maintained for the life of the facility.				
G89	SSD 7228 Mod11	C46	Visual Amenity - Signage	A Signage Strategy shall be submitted for the approval of the Planning Secretary, prior to the installation of any signs visible from the public domain. The Strategy shall be prepared in consultation with the RMS, Council and the Western Sydney Parklands Trust. Note: This condition does not apply to temporary construction and safety related signage.	This Condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				
G90	SSD 7228 Mod11	C47	Visual Amenity - Lighting	The Applicant shall ensure the lighting associated with the Development: a. complies with the latest version of AS 4282 (INT) - Control of Obtrusive Effects of Outdoor Lighting; and b. is mounted, screened and directed in such a manner that it does not create a nuisance to surrounding properties or the public road network.	Record sighted: - LAS (Lighting, Art + Science) (28 June 2022) Obtrusive Light Assessment Sydney Zoo, Bungarabee Ferris Wheel. Section 8 & 9 addressed this condition. - There has been no complaint in the complaint record since the operation of the zoo. - The Planning Secretary (1 August 2022) Obtrusive Light Assessment – Ferris Wheel for Sydney Zoo (SSD-7228, as modified). "The Department has reviewed the Obtrusive Light Assessment in consultation with Blacktown City Council (Council) and is satisfied the document meets the requirements of condition C47A." Interview: - Zoo (PT) stated that there has been no complaints received since the operation of the zoo. In the previous Audit (31/1/2020) the Auditor sighted the Lighting, Art and Science (2 November 2015) Western Sydney Zoo Masterplan Lighting Concept Report, which indicates lighting was designed as per AS4282.				

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G91	SSD 7228 Mod11	C47A	Visual Amenity - Lighting	Prior to the commencement of operation of the permanent ferris wheel on the site, the Applicant must prepare and submit a lighting report to the satisfaction of the Planning Secretary. The lighting report must: (a) provide details of the proposed lighting and illumination of the ferris wheel; and (b) demonstrate ferris wheel lighting will comply with the requirements of AS 4282 (INT) - Control of Obtrusive Effects of Outdoor Lighting.	Record sighted: - LAS (Lighting, Art + Science) (28 June 2022) Obtrusive Light Assessment Sydney Zoo, Bungarribee Ferris Wheel. Section 8 & 9 addressed this condition. - The Planning Secretary (1 August 2022) Obtrusive Light Assessment – Ferris Wheel for Sydney Zoo (SSD-7228, as modified). "The Department has reviewed the Obtrusive Light Assessment in consultation with Blacktown City Council (Council) and is satisfied the document meets the requirements of condition C47A." - Both documents above are publicly available in the Zoo website as requested by the Planning Secretary letter (1 August 2022).				
G92	SSD 7228 Mod11	C47B	Visual Amenity - Lighting	Within three months of the commencement of operation of the permanent ferris wheel the Applicant must prepare and submit a report to the satisfaction of the Planning Secretary verifying that light spillage from the ferris wheel will not cause any adverse amenity impacts on nearby residential areas.	Record sighted: - LAS (Lighting, Art + Science) (28 June 2022) Obtrusive Light Assessment Sydney Zoo, Bungarribee Ferris Wheel. Section 8 & 9 addressed this condition. - The Planning Secretary (1 August 2022) Obtrusive Light Assessment – Ferris Wheel for Sydney Zoo (SSD-7228, as modified). "The Department has reviewed the Obtrusive Light Assessment in consultation with Blacktown City Council (Council) and is satisfied the document". A copy of Council's comments is attached for your information." - Both documents above are publicly available in the Zoo website as requested by the Planning Secretary letter (1 August 2022).				
G93	SSD 7228 Mod11	C47C	Visual Amenity - Lighting	The Applicant must ensure that any lighting on or associated with the permanent ferris wheel is only operated when the ferris wheel is in use after sunset.	Interview: - Zoo (PT) stated that Ferris wheel lighting is only utilised at night if the Ferris wheel is in operation. Record sighted: - No complaint was present with regards to this item.				
SCHEDULE D. ENVIRONMENTAL MANAGEMENT AND REPORTING									
G94	SSD 7228 Mod11	D1	Environmental Management Plan	The Applicant shall prepare and implement a Construction Environmental Management Plan (CEMP) to the satisfaction of the Planning Secretary. The CEMP shall: a. be prepared by a suitably qualified and experienced person in consultation with Council; b. be approved by the Planning Secretary prior to the commencement of construction; c. outline all environmental management practices and procedures to be followed during earthworks and construction; d. describe all activities to be undertaken on the site during earthworks and construction, including a clear indication of construction stages; e. describe the specific measures to be implemented to protect the significant environmental assets on- site during earthworks and construction; f. detail how the environmental performance of the construction works will be monitored, and what actions will be taken to address identified adverse environmental impacts; g. describe of the roles and responsibilities of all relevant employees involved in earthworks and construction; h. provide contact details of the site manager and principal contractors; and i. include all sub-management plans required under Condition D2 of this consent.	This Condition is only applicable to construction stage. Hence this condition is considered as non-triggerred in this operational Audit as this Audit.				
G95	SSD 7228 Mod11	D2	Environmental Management Plan	As part of the CEMP required under Condition D1 of this consent, the Applicant shall include the following: a. Construction Traffic Management Plan (see Condition C3); b. Community Engagement Plan (see Condition C8); and c. Construction Air Quality Management Plan.	This Condition is only applicable to construction stage. Hence this condition is considered as non-triggerred in this operational Audit as this Audit.				
G96	SSD 7228 Mod11	D3	Environmental Management Plan CEMP	The approved Construction Environmental Management Plan (as revised and approved by the Planning Secretary) shall be implemented by the Applicant for the duration of earthworks and construction.	This Condition is only applicable to construction stage. Hence this condition is considered as non-triggerred in this operational Audit as this Audit.				

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G97	SSD 7228 Mod11	D3A	Environmental Management Plan CEMP	Prior to the commencement of construction of any new exhibit, building or structure at the site approved under a modification to this consent, the Applicant must review and update the Construction Environmental Management Plan required under condition D1 to the satisfaction of the Planning Secretary.	Interview: - Zoo (PT) stated that there is no major construction of exhibits has occurred. Only fencing off part of one enclosure and placing of a concrete culvert for shelter (e.g. Capybaras). - Zoo (PT) stated that no construction has occurred yet for the squirrel monkey exhibits. - Zoo (PT) stated that the sheds associated with MOD4 includes demountable, not construction of a new structure.				
G98	SSD 7228 Mod11	D3B	Environmental Management Plan CEMP	The Applicant must ensure that all construction work for any new exhibit, building or structure at the site is carried out in accordance with the approved Construction Environmental Management Plan approved under condition D3A above.	See G97				
G99	SSD 7228 Mod11	D4	Operational Environmental Management Plan	The Applicant shall prepare and implement an Operational Environmental Management Plan (OEMP) to the satisfaction of the Planning Secretary. The OEMP shall: a. be prepared by a suitably qualified and experienced person in consultation with Council; b. be approved by the Planning Secretary prior to the commencement of the operation; c. describe all activities to be undertaken as part of the operation of the Development; d. list statutory and other obligations that the Applicant is required to fulfil during the operation of the Development; e. present overall environmental policies, guidelines and principles to be applied to the operation of the Development; f. provide details of how environmental performance would be managed and monitored to meet acceptable outcomes, including what actions will be undertaken to address identified potential adverse environmental impacts; g. include all sub-management plans required under Condition D5 of this consent.	Record sighted: - Ethos Urban (5 April 2019) Sydney Zoo Operational Environmental Management Plan addressed this condition. - Planning Secretary letter (18 October 2019) Sydney Zoo (SSD 7228) Approval of Operational Environmental Management Plan. It is noted that this approval is for OEMP and Operational Transport Management Plan dated 2019, Work Place Travel Plan, Heritage Interpretation Plan, and Aboriginal Cultural Experience Strategy dated 2018. The letter also reiterates that the Planning Secretary approved 2 stage submission of OEMP. Another OEMP submission is expected prior to composting occurring on site. However, it is noted that there is no composting facility on site to date. - Planning Secretary letter (26 April 2022) The Sydney Zoo (SSD-7228-Mod-7) Updated Operational Transport Management Plan. - Planning Secretary letter (27 March 2023) Updated Operational Transport Management Plan – Sydney Zoo (SSD-7228, as modified). Observation: - No composting facility observed.				
G100	SSD 7228 Mod11	D5	Operational Environmental Management Plan	As part of the OEMP required under Condition D4 of this consent, the Applicant shall include the following: a. Operational Traffic Management Plan (see Condition C5); b. Community Engagement Plan (see Condition C8); c. Aboriginal Cultural Experience (see Condition C21); d. Heritage Interpretation Plan (see Condition C24); and e. Operational Air Quality Management Plan.	Record sighted: - Ethos Urban (5 April 2019) Sydney Zoo Operational Environmental Management Plan. Items a, b, c, and d are provided but not item e it was noted that "An Operational Air Quality Management Plan is considered unnecessary as no odour generating sources are proposed on-site", referring to composting facility. - Planning Secretary letter (18 October 2019) Sydney Zoo (SSD 7228) Approval of Operational Environmental Management Plan. It is noted that this approval is for OEMP and Operational Transport Management Plan dated 2019, Work Place Travel Plan, Heritage Interpretation Plan, and Aboriginal Cultural Experience Strategy dated 2018. The letter also reiterates that the Planning Secretary approved 2 stage submission of OEMP. Another OEMP submission is expected prior to composting occurring on site. Interview: - Zoo (PT) stated that there is no composting facility on site, hence as per the Waste Management Plan, the Operational Air Quality Management Plan is not required. The Operational Air Quality Management Plan was derived from the Waste Management Plan should composting facility is on site. Observation: - No composting facility observed.				
G101	SSD 7228 Mod11	D6	Operational Environmental Management Plan	The approved Operational Environmental Management Plan (as revised and approved by the Planning Secretary) shall be implemented by the Applicant for duration of operation of the Development.	Interview: - Zoo (PT) stated that the most current OEMP approved by DPHI is implemented for the duration of operation.				

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G102	SSD 7228 Mod11	D7	Annual Review	Each year, unless otherwise agreed by the Planning Secretary, the Applicant shall review the environmental performance of the Development to the satisfaction of the Planning Secretary. This review shall: a. include a comprehensive review of the monitoring results and complaints records received by the Development over the previous calendar year, which includes a comparison of these results against the: i. relevant statutory requirements, limits or performance measures/criteria; ii. requirements of any plan or program required under this consent; iii. monitoring results of the previous years; and iv. relevant predictions in the EIS; b. identify any non-compliance over the last year and describe the actions that were (or are being) taken to ensure compliance; c. identify any trends in monitoring data over the life of the Development; d. identify any discrepancies between the predicted and actual impacts of the Development and analyse the potential cause of any significant discrepancies; and e. describe what measures will be implemented over the next year to improve the environmental performance of the Development. f. verify the total daily visitor numbers for private zoo experiences / small group tours commencing between the hours of 7:30 am and 9 am has not exceeded the limit of 1,500 persons and include an outline of management actions to be taken to address any exceedance of the limit on visitor numbers and ensure ongoing compliance with the requirements of this consent.	Record Sighted: - Review of Environmental Performance of Sydney Zoo (October 2022) - The Planning Secretary (1 April 2023) The Sydney Zoo – SSD 7228. 2022 Annual Review. " The Department has completed its review and has determined to accept the Annual Review on this occasion. However, in future Annual Reviews, the Department requests the Project use the format and guidelines provided in Section 3 and the appendices of the Compliance Reporting Post Approval Requirements (Department 2020) (CRPAR)." 'make a copy of the 2022 Annual Review publicly available on the project website. - Sydney Zoo Annual Review January 2023-December 2023 - 2022 and 2023 Annual review are available at Zoo website as of 16 April 2024. - DPPI (3/4/2024) Project Portal noting submission of the Annual Report for this condition. - No feedback from DPPI has been received on the 2023 Annual Report.	The condition has been considered compliant as an Annual Review has been prepared since 2022. However, the Auditor notes that items c, d, and e are not yet included in the Annual Report 2023. Recommendation: Subsequent annual reports should include all the items listed in this condition and should be prepared in accordance with the Compliance Reporting Post Approval Requirements (Department 2020) (CRPAR) https://www.planning.nsw.gov.au/assess-and-regulate/about-compliance/inspections-and-enforcements/compliance-reporting-post-approval-requirements .			
G103	SSD 7228 Mod11	D8	Reporting Incident - Reporting	The Applicant shall notify the Planning Secretary and any other relevant agencies of any incident or potential incident with actual or potential significant off-site impacts on people or the biophysical environment associated with the facility immediately after the Applicant becomes aware of the incident.	Interview: - Zoo (PT) stated that there has been no incident since the operation of the site.				
G104	SSD 7228 Mod11	D9	Reporting Incident - Reporting	Within seven days of the date of this incident, the Proponent shall provide the Planning Secretary and any relevant agencies with a detailed report on the incident.	Interview: - Zoo (PT) stated that there has been no incident since the operation of the site.				
G105	SSD 7228 Mod11	D10	Reporting Incident - Regular Reporting	The Applicant shall provide regular reporting on the environmental performance of the Development on its website, in accordance with the reporting arrangements in any plans or programs approved under the conditions of this consent.	Record sighted at Zoo website on 16 April 2024: - Waste report, trade waste water testing, and annual reports				
G106	SSD 7228 Mod11	D11	Auditing	Within two years of the date of this consent, and every three years thereafter, unless the Planning Secretary directs otherwise, the Applicant shall commissions and pay the full cost of an Independent Environmental Audit of the Development. The audit shall: a. be conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Planning Secretary; b. include consultation with the relevant agencies; c. assess the environmental performance of the Development and assess whether it is complying with the requirements of this consent and any other relevant approvals (including any assessment, plan or program required under these approvals); d. review the adequacy of any approved strategy, plan or program required under the abovementioned consents; and e. recommend measures of actions to improve the environmental performance of the Development, and/or strategy, plan or program required under these consents. Note: This audit team shall be led by a suitably qualified auditor and include relevant experts in any other fields specified by the Planning Secretary.	Zoo was opened in December 2019. Last Audit was completed on 14 Feb 2020. This Audit was not completed in accordance to IAPAR 2020 not 2018.	This item is considered as non-compliant because this Operational Audit was not completed within 3 years of previous audit, to meet this requirement. It is understood that Sydney Zoo has consulted with DPPI on the late commencement of the Audit. Recommendation: The next operation Audit shall be completed within 3 years from the issue of this final report.			
G107	SSD 7228 Mod11	D12	Auditing	Within three months of commissioning this audit, or as otherwise agreed by the Planning Secretary, the Applicant shall submit a copy of the audit report to the Planning Secretary, together with its response to any recommendations contained within the audit report.	Record sighted: - Email from Sydney Zoo to Planning on the Construction Phase IEA and Sydney Zoo Responses on 27 February 2020.				

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G108	SSD 7228 Mod11	D13	Access to Information	<p>The Applicant shall make the following information publicly available on its website and keep the information up to date:</p> <p>a. make copies of the following publicly available on its website:</p> <p>i. the documents referred to in Condition B2;</p> <p>ii. all current statutory approvals for the development;</p> <p>iii. all approved strategies, plans and programs required under the conditions of this consent;</p> <p>iv. a comprehensive summary of the monitoring results of the development, reported in accordance with the specifications in any conditions of this consent, or any approved plans and programs;</p> <p>v. a complaints register, updated on a monthly basis;</p> <p>vi. the annual reviews of the development;</p> <p>vii. any independent environmental audit of the development, and the Applicant's response to the recommendations in any audit;</p> <p>viii. any other matter required by the Planning Secretary; and</p> <p>b. keep this information up to date, to the satisfaction of the Planning Secretary.</p> <p>Note: This condition does not require any confidential information to be made available to the public.</p>	<p>Sydney Zoo website viewed on 12 April 2024 and again on 16 May 2024, some documents available under Government Approvals, including:</p> <ul style="list-style-type: none"> - SSD Modification 1 to 11 - DPI approval - Noise Verification Report for the Sydney Zoo Glow Festival - Planning Secretary review on Noise Verification Report for the Sydney Zoo Glow Festival - Ferris Wheel Obtrusive Light Study - Planning Secretary review on Ferris Wheel Obtrusive Light Study - Ferris Wheel Landscape Plan - Planning Secretary review on Ferris Wheel Landscape Plan - Complaint Register. - Previous (2020) IEA and response. 				
SSD Appendix B APPLICANT'S MANAGEMENT AND MITIGATION MEASURES (Adopted from EIS and presented in earlier SSD)									
G109	SSD 7228		General	<ul style="list-style-type: none"> · Environmental awareness training must be provided, by the contractor, to all field personnel and subcontractors. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this Audit as this operational Audit.				
G110	SSD 7228		Air quality emissions – general management	<ul style="list-style-type: none"> · Reduce drop heights during loading and unloading of fill material · Minimise area of exposed surfaces · Minimise amount of stockpiled materials · Where possible, apply barriers, covering or temporary rehabilitation · Rehabilitate completed sections as soon as practicable · Restrict construction activities during unfavourable weather conditions · Water carts and sprays to be used to suppress instances of dust transportation 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this Audit as this operational Audit.				
G111	SSD 7228		Air quality emissions through vehicle movements	<ul style="list-style-type: none"> · All construction plant, equipment and vehicles to be properly maintained and operated so as to alleviate excessive exhaust emissions · Engines of construction plant to be switched off when not in use · Limit vehicle speeds on-site to 40km/h 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this Audit as this operational Audit.				
G112	SSD 7228		Air quality emissions through loading and transport of materials	<ul style="list-style-type: none"> · Waste and material loads leaving the subject site are to be covered at all times 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this Audit as this operational Audit.				
G113	SSD 7228		Air quality emissions	<ul style="list-style-type: none"> · Any material deposited on the road network due to truck movements to and from the site would be either prevented or cleaned up immediately. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this Audit as this operational Audit.				
G114	SSD 7228		Odour management across the site	<ul style="list-style-type: none"> · Procedures for staff to report the presence of odours, particularly in unexpected places; · If composting windrows require turning, this should be done during periods of good atmospheric dispersion · Maintaining an odour complaint register which captures all complaints from patrons and off-site receptors 	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that there has been no complaint or composting facility since the operation of the site. 				

Gosy ntec Ref.	Document	SSD Condition / CEMP Section	Item	water	Evidence Collected / Observations	Comments on Independent Audit Findings and Recommendations.	Compliance Status		
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G115	SSD 7228		The potential for exceedance of the NMLs across the proposal footprint	<ul style="list-style-type: none"> Prepare a construction noise and vibration management plan (CNVMP). It would be a sub-plan of the CEMP. As a minimum, the plan would: <ul style="list-style-type: none"> Map the sensitive receiver locations including residential properties Include safeguards and management measures to manage out of hours working Include an assessment to determine potential risk for activities likely to affect receivers, including for activities undertaken during and outside of standard working hours Include a process for assessing the performance of the implemented safeguards and management measures Specify the equipment restrictions that would be implemented at night if night works required Describe the respite periods that would be implemented Specify restrictions on allowing equipment, plant and traffic to idle on site Specify the avoidance of activities that would generate impulsive noise Ensure any potentially impacted receivers are informed ahead of any planned works taking place outside of the recommended standard hours for construction works Ensure noise at sensitive receivers is monitored Identify how the construction staging and program includes for monitoring at sensitive receivers Include a specific process for documenting and resolving issues and complaints. <p>Note: The CNVMP would be routinely updated in response to any changes in noise and vibration. Tool box talks would be used to communicate constructor obligations and responsibilities under the plan.</p>	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this Audit as this operational Audit.				
G116	SSD 7228		The potential for exceedance of the NMLs across the proposal footprint	<ul style="list-style-type: none"> Prepare a construction noise and vibration management plan (CNVMP). It would be a sub-plan of the CEMP. Locate fixed plant as far from residences as possible and behind site structures. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this Audit as this operational Audit.				
G117	SSD 7228		Construction noise impacts	<ul style="list-style-type: none"> Working hours are to be restricted in accordance with the EPA Interim Construction Noise Guideline. Working hours are to be in accordance with: <ul style="list-style-type: none"> Between 7.00am and 6.00pm, Monday to Friday. Between 8.00am and 1.00pm Saturdays. No work or deliveries on Sunday and/or public holidays. If work is required to be undertaken outside normal work hours, the Contractor will need approval from the Principal. The Contractor is to provide enough information for the Principal to evaluate any potential noise impact from the proposed works. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this Audit as this operational Audit.				
G118	SSD 7228		Construction noise impacts	<ul style="list-style-type: none"> Community and business notification would be done prior to works commencing outlining the nature of the works, work hours and contact number. Additional community and business notification would be done at least five days before works outside standard hours that has a potential to cause any noise impact. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this Audit as this operational Audit.				
G119	SSD 7228		Construction noise impacts	<ul style="list-style-type: none"> Any required night time work predicted to exceed the noise management level should aim to not affect residences for more than two consecutive nights or where possible, more than six nights over a one-month period. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this Audit as this operational Audit.				

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G120	SSD 7228		Construction traffic impacts	<ul style="list-style-type: none"> - A construction traffic management plan (CTMP) would be prepared as a sub-plan of the CEMP. As a minimum, the plan would include the following controls: <ul style="list-style-type: none"> - minimise use of heavy vehicles on local roads - restrict deliveries to outside of peak traffic periods where possible - ensure emergency vehicle access is maintained, including consultation with emergency services - identify haulage routes and minimise impacts on local routes - provide warning and advisory signage - providing safe access points to work areas from the adjacent road network - safety barriers where necessary - maintaining adequate sight distance - displaying prominent warning signage - covering truck loads - avoiding vehicle idling - deliveries planned to minimise the number of trucks arriving at site at one time. - materials delivered and spoil removed from the site during standard construction hours. - use of Traffic Controllers to ensure safe vehicle and pedestrian movements for example when trucks enter or leave the site - a Driver Code of Conduct plan - Provide for local community consultation and notification of local road network and traffic impacts 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this Audit as this operational Audit.				
G121	SSD 7228		Operational traffic impacts	<ul style="list-style-type: none"> - An operational transport management plan (OTMP) would be prepared which would investigate the potential of the following: <ul style="list-style-type: none"> - online booking systems, with allocated visiting periods and staggered timing - implementation of peak period availability of additional accessible parking spaces - off-peak ticketing price reductions - promotion of access via the M7 Motorway - promotion of arrivals via public transport - promotion of car pooling - combined tour packages with other tourist destinations - potential for additional regular route bus services and direct shuttle bus services between Blacktown Railway Station and the site (subject to further consultation with TfNSW) - promotion of school tours during off-peak periods - preparation of a Work Place Travel Plan to minimise staff travel by private car - preparation of a Transport Access Guide for visitors - extended opening hours, particularly during peak periods to flatten out the peak 	Record sighted: <ul style="list-style-type: none"> - TTPP (21 March 2023) Operational Transport Management Plan and its appendices addressed this condition - Planning Secretary letter (18 October 2019) Sydney Zoo (SSD 7228) Approval of Operational Environmental Management Plan. - Planning Secretary letter (26 April 2022) The Sydney Zoo (SSD-7228-Mod-7) Updated Operational Transport Management Plan. - Planning Secretary letter (27 March 2023) Updated Operational Transport Management Plan – Sydney Zoo (SSD-7228, as modified) 				
G122	SSD 7228		Initial opening traffic impacts	<ul style="list-style-type: none"> - An initial opening period transport management plan will be prepared with considering for the peak opening period and specific opening events which would be expected to have different traffic generating impacts compared to normal operation. 	Record sighted: <ul style="list-style-type: none"> - TTPP (21 March 2023) Operational Transport Management Plan and its appendices addressed this condition - Planning Secretary letter (18 October 2019) Sydney Zoo (SSD 7228) Approval of Operational Environmental Management Plan. - Planning Secretary letter (26 April 2022) The Sydney Zoo (SSD-7228-Mod-7) Updated Operational Transport Management Plan. - Planning Secretary letter (27 March 2023) Updated Operational Transport Management Plan – Sydney Zoo (SSD-7228, as modified) 				

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G123	SSD 7228		Sediment-laden run off and associated water quality impacts management	<ul style="list-style-type: none"> Prepare a Soil and Water Management Plan as part of the CEMP and address the following: <ul style="list-style-type: none"> The NSW Soils and Construction – Managing Urban Stormwater Volume 1 'the Blue Book' (Landcom, 2004) and Volume 2 (DECC, 2008) Detail the following as a minimum: <ul style="list-style-type: none"> Identification of catchment and sub-catchment areas, high risk areas and sensitive areas Sizing of each of the above areas and catchment The likely volume of run-off from each road sub-catchment Direction of flow of on-site and off-site water Separation of on-site and off-site water The direction of run-off and drainage points during each stage of construction Dewatering plan which includes process for monitoring, flocculating and dewatering water from site (i.e. formation or excavations) A mapped plan identifying the above Include progressive site specific Erosion and Sedimentation Control Plans (ESCPs). The ESCP is to be updated at least fortnightly A process to routinely monitor the Bureau of Meteorology weather forecast Preparation of a wet weather (rain event) plan which includes a process for monitoring potential wet weather and identification of controls to be implemented in the event of wet weather. These controls are to be shown on the ESCPs Provision of an inspection and maintenance schedule for ongoing maintenance of temporary and permanent erosion and sedimentation controls. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				
G124	SSD 7228		On-site sediment and waste laden run off and associated water quality impacts during construction	<ul style="list-style-type: none"> Erosion and sediment control measures would be implemented to ensure no sediment leaves the site. All waste materials (such as demolition materials) would be contained to prevent possible run off prior to removal from the site. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				
G125	SSD 7228		Outlet structures discharging to Eastern Creek within waterfront land	<ul style="list-style-type: none"> The design and construction of any outlet structures on waterfront land is to be in accordance with the Guidelines for outlet structures on waterfront land (DPI 2012). 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				
G126	SSD 7228		Accidental spillage and associated water quality impacts	<ul style="list-style-type: none"> Maintain emergency spill kits on-site at all times and make all staff aware of the location of the spill kits and trained in their use. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				
G127	SSD 7228		Fuel storage and refuelling	<ul style="list-style-type: none"> All fuels, chemicals, and liquids would be in an impervious bunded area within the compound site. The refuelling of plant and maintenance of machinery would be undertaken in impervious bunded areas within the compound site. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				
G128	SSD 7228		Machinery maintenance checks	<ul style="list-style-type: none"> Machinery would be checked daily to ensure there is no oil, fuel or other liquids leaking from the machinery. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				
G129	SSD 7228		Erosion risk	<ul style="list-style-type: none"> Disturbed surfaces would be reinstated as soon as possible. Erosion and sedimentation control measures would not be removed until disturbed areas have stabilised. Any damage from construction to the ground surface shall be restored to pre-construction condition on completion of works. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				

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G130	SSD 7228		Potential heritage and archaeological impacts - general	<ul style="list-style-type: none"> Develop an Aboriginal Cultural Heritage Assessment Report (ACHAR). It would be within the CEMP. As a minimum, the plan would: <ul style="list-style-type: none"> map locations of known and potential sites of heritage and archaeological value do identify high-risk and no-go zones identify potential environmental risks and impacts due to the proposed work identify appropriate safeguards and management measures to minimise potential risk identify appropriate safeguards and management measures to avoid the risk of harm implement appropriate safeguards and management measures to protect heritage items and potential archaeological assets 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				
G131	SSD 7228		Heritage induction training to cover all works across the site	<ul style="list-style-type: none"> Provide Aboriginal heritage awareness training to the construction workforce prior to starting on site which would include: <ul style="list-style-type: none"> guidelines to follow if unanticipated –heritage items or deposits are located during works the procedure for managing any –unexpected find, discovering human remains, or unearthing other archaeological remains. Provide the Aboriginal heritage awareness training to any person or visitor to the site during construction. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				
G132	SSD 7228		Unexpected finds discovery across the site	<ul style="list-style-type: none"> If unexpected finds are discovered during the proposed works, immediately cease all works within 10 metres of discovering an unexpected find (e.g. archaeological remains, heritage item, and potential relic). Engage a heritage consultant to assess the find and the NSW Heritage Division would be notified of the discovery of a relic in accordance with Section 146 of the NSW Heritage Act 1977. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				
G133	SSD 7228		Human remains discovery across the site	<ul style="list-style-type: none"> Handle human remains under the same process as an unexpected finds discovery; however, prior to the archaeologist recording the find contact the NSW Police, the OEH environment line and the OEH anthropologist. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				
G134	SSD 7228		Potential heritage and archaeological impacts - general	<ul style="list-style-type: none"> Develop a non-Aboriginal heritage management plan (NAHMP). As a minimum, the plan would: <ul style="list-style-type: none"> map locations of known and potential sites of heritage and archaeological value do identify high-risk and no-go zones identify potential environmental risks and impacts due to the proposed work identify appropriate safeguards and management measures to minimise potential risk identify appropriate safeguards and management measures to avoid the risk of harm implement appropriate safeguards and management measures to protect heritage items and potential archaeological assets 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				
G135	SSD 7228		Heritage induction training to cover all works across the site	<ul style="list-style-type: none"> Provide non-Aboriginal heritage awareness training to the construction workforce prior to starting on site which would include: <ul style="list-style-type: none"> the location of heritage items outside the –study area, including the extant gate entrance for the former OTC transmission station guidelines to follow if unanticipated –heritage items or deposits are located during works the procedure for managing any –unexpected find, discovering human remains, or unearthing other archaeological remains. Provide the non-Aboriginal heritage awareness training to any person or visitor to the site during construction. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				
G136	SSD 7228		Unexpected finds discovery across the site	<ul style="list-style-type: none"> If unexpected archaeological finds are discovered during the proposed works, immediately cease all works within 10 metres of discovering an unexpected find (e.g. archaeological remains, heritage item, and potential relic). Engage a heritage consultant to assess the find and the NSW Heritage Division would be notified of the discovery of a relic in accordance with Section 146 of the NSW Heritage Act 1977. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				
G137	SSD 7228		Human remains discovery across the site	<ul style="list-style-type: none"> Handle human remains under the same process as an unexpected finds discovery; however, prior to the archaeologist recording the find contact the NSW Police, the OEH environment line and the OEH anthropologist. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				

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G138	SSD 7228		Waste generation during construction	· Classify, handle and store all removed waste in the construction compounds/laydown areas in accordance with the NSW Waste Classification Guidelines 2009: Part 1 Classifying Waste (DECCW) and Storing and Handling liquids, Environmental Protection (DECC, 2007). Note that this guideline has been superseded with NSW EPA (2014) Waste Classification Guidelines.	Interview: - Zoo (PT) stated there has been no soil waste disposal. - Liquid waste is transported by Grasshopper Environmental Services which is listed in Sydney Water website as the Wastesafe transporter. - No waste classification is required given that all waste is preclassified under the NSW EPA (2014) Waste Classification Guidelines.				
G139	SSD 7228		Waste and resource management during construction across the proposal	· Prepare a waste and resource management plan (WRMP) as a sub-plan of the CEMP. As a minimum describe the measures for handling, storing and classifying waste when 'onsite' and its subsequent disposal offsite to the relevant licenced facility.	WMP prepared and included in OEMP				
G140	SSD 7228		Waste disposal during construction across the proposal	· Send all disposed materials to a suitably licenced waste management/landfill facility.	See Condition C40 above Record sighted: - The Zoo written advice states that a giraffe (22 June 2020) and an elephant (16 Feb 2022) carcasses were disposed at Cleanaway Lucas Heights EPL 12520. Grasshopper monthly reporting which listed the following: - General waste, mixed/comingled recycles, plastic, and dry waste disposed to Cleanaway - Paper & Cardboard disposed to Grima Recycling - Organic waste disposed to Organic Recycling Group - Coffee Pods transported back to Nespresso - Drink bottles and cans disposed to Return and Earn - Special Waste with no specific final destination stated in the report. Upon zoo enquiry, Grasshopper advised that the following facilities are utilised: - Brandown (Hi-Quality Group) EPL 12618 - Cleanaway at Lucas Heights EPL 12520 - iTreat EPL 20884 - Cleanaway - Kemps Creek EPL 4068 which takes some special waste such as tyre and asbestos. - Soilco EPL 21174. - Flick are used to dispose the clinical waste. Flick provided a copy of Med-X service docket for 14 & 27 June 2023, 11 & 25 July 2023, 12 & 27 December 2023, 1 May 2024. Med-X EPL 7434 specifically states "Waste storage - hazardous, restricted solid, liquid, clinical and related waste and asbestos waste". Record provided by the zoo: - PoEO(Waste) Regulation 1996. Notice of exemption granted under clause 16C Number 2001-E-01. Tracking of clinical and other specified wastes - New South Wales Government gazette No 156 (12 October 2001). Interview: - Zoo (PT) the zoo is in the process of engaging a new waste removal company.				
G141	SSD 7228		Waste handling and storage during construction across the proposal	· Store and segregate all waste at source (e.g. the construction compounds/laydown areas) in accordance with its classification. This includes recycled and reusable materials.	Observation: - Waste segregation was observed within the food areas, in the waste areas (adjacent to the office building) and in the vicinity of the back of the houses.				
G142	SSD 7228		Littering and site tidiness during construction across the proposal footprint	· Monitor for waste accumulation, littering and general tidiness during routine site inspections.	Observation: - Waste segregation was observed within the food areas, in the waste areas (adjacent to the office building) and in the vicinity of the back of the houses. - Site was generally tidy and bins were not overloaded.				

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G143	SSD 7228		Resource recovery during construction across the proposal	<ul style="list-style-type: none"> Apply resource recovery principles: <ul style="list-style-type: none"> - Reuse proposal-generated waste materials onsite (e.g. topsoil, recycled aggregate) providing it meets with exemption and classification requirements - Failing that, transfer the materials for use elsewhere on another site under a resource recovery exemption - Employ waste segregation to allow paper, plastic, glass, metal and other material recycling. These materials could be either reused onsite or transferred to a recycling facility - Consider composting general putrescible waste to allow recovery. Transfer these materials offsite to a composting facility. 	<p>Observation:</p> <ul style="list-style-type: none"> - Waste segregation was observed within the food areas, in the waste areas (adjacent to the office building) and in the vicinity of the back of the houses. <p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that some sand/clay material from the elephant enclosure is stockpiled onsite for reuse at a later stage. - Zoo (PT) stated no composting has been conducted onsite. 				
G144	SSD 7228		Reducing primary resource demand during construction across the proposal	<ul style="list-style-type: none"> Use recycled and low embodied energy products to reduce primary resource demand in instances where the materials are cost and performance competitive (e.g. where quality control specifications allow). 	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that "materials used on site are selected for their compatibility to the overall aesthetics of the site and for their functionality. An example of recycling materials is the use of Tassie Sticks which are offcuts from a timber mill which would otherwise be disposed off." 				
G145	SSD 7228		Management of the construction works to minimise their visual impacts on nearby streetscape character	<ul style="list-style-type: none"> Implement a maintenance schedule to ensure the entry to the Parklands from the Great Western Highway remains clear and tidy Consider screening methods to reduce the visual impact of the work site 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this Audit as this operational Audit.				
G146	SSD 7228		Light spill impacts during construction across the proposal footprint	<ul style="list-style-type: none"> Screen, shield and cut-off all temporary site lighting to prevent light spill where possible Use directional light sources where possible to reduce lateral light spill Use low luminescence lighting lights where feasible to reduce the lateral light spill Shield the top of all site lighting to prevent any upward light glare Remove any lighting conflict with the general street lighting to prevent the risk of motorists becoming disorientated or distracted 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this Audit as this operational Audit.				
G147	SSD 7228		Operational light spill impacts on adjacent properties	<ul style="list-style-type: none"> Follow the lighting design specification that aims to ensure any the height and direction of any lighting pole would not introduce sky glow or impacts on neighbouring residential properties or road users of the Great Western Highway Use directional lighting fixtures with cut-offs and filters as required. 	<p>Record sighted:</p> <ul style="list-style-type: none"> - No complaint listed for lighting. - LAS (Lighting, Art + Science) (28 June 2022) Obtrusive Light Assessment Sydney Zoo, Bungarabee Ferris Wheel. Section 8 & 9 addressed this condition. - The Planning Secretary (1 August 2022) Obtrusive Light Assessment – Ferris Wheel for Sydney Zoo (SSD-7228, as modified). "The Department has reviewed the Obtrusive Light Assessment in consultation with Blacktown City Council (Council) and is satisfied the document meets the requirements of condition C47A." - In the previous Audit (31/1/2020) the Auditor sighted the Lighting, Art and Science (2 November 2015) Western Sydney Zoo Masterplan Lighting Concept Report, which indicates lighting was designed as per AS4282. 				
G148	SSD 7228		Biodiversity management across the entire proposal footprint	<ul style="list-style-type: none"> Prepare a biodiversity management plan (BMP) as a sub-plan of the CEMP. As a minimum, the plan would: <ul style="list-style-type: none"> - Provide for the discovery of unexpected threatened flora or fauna. - Provide for contractor staff training to be aware of the sensitivity of the surrounding environment including threatened ecological communities - Identify impact areas and measures for clearly delineating these areas, using fences or similar means to prevent encroachment of the works into the surrounding bushland. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this Audit as this operational Audit.				
G149	SSD 7228		Biodiversity management across the entire proposal footprint	<ul style="list-style-type: none"> Vegetation / woody debris for removal should be used in adjacent areas for habitat features or mulched for soil erosion control. Work in riparian zones (i.e. areas of River Flat Eucalypt Forest) would be undertaken to limit impacts on aquatic flora and fauna, and their habitats. This would include measures to preventing run-off into the adjacent vegetation and creek and clearly delineating the construction area boundaries. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this Audit as this operational Audit.				

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G150	SSD 7228		Noxious weed management	<ul style="list-style-type: none"> Areas proposed for disturbance where noxious weeds are present should be managed according to the weed class. Soil containing seeds from exotic grass species should be removed from the site as soon as practicable and / or stored appropriately to prevent their spread. Wash down machinery before entering the site to limit weed spread. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this Audit as this operational Audit.				
G151	SSD 7228		Biodiversity impacts on watercourses and drainage lines	<ul style="list-style-type: none"> Construction adjacent to drainage lines should be completed during dry periods. Storage areas should be located away from the drainage lines to minimise risk of pollution and adverse impact to aquatic ecosystems. Installation of sediment and runoff control measures to prevent runoff entering adjacent bushland areas and watercourses. Potential chemical pollutants (e.g. fuels, oils, lubricants, paints etc.) would be stored in appropriate containers within bunded areas within construction compounds to minimise the risk of the pollution of aquatic environments. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this Audit as this operational Audit.				
G152	SSD 7228		Loss of hollow bearing trees	<ul style="list-style-type: none"> As a precautionary measure ensure a qualified ecologist would be present during the felling/pruning of any identified hollow-bearing trees to manage wildlife that may be disturbed and/or injured. The ecologist would assess the species and then release them to the nearest suitable habitat if uninjured. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this Audit as this operational Audit.				
G153	SSD 7228		Impacts on non-listed species across the entire construction site	<ul style="list-style-type: none"> As a precautionary measure close-off all excavations overnight, in locations where night works are not planned, to prevent animals becoming trapped. Inspect each excavation prior to the works starting in the morning. Have a designated qualified person that would capture any inadvertently trapped species and release the species into the nearest suitable habitat if uninjured. If construction lighting is required at night direct light beams away from vegetative areas to protect microbats. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this Audit as this operational Audit.				
G154	SSD 7228		Loss of habitat for fauna from clearance	<ul style="list-style-type: none"> Direct seed with native provenance grass seeds or sterile grasses on exposed areas. Retention of fallen logs and relocation to adjacent areas where possible to provide habitat resources for ground-dwelling species. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				
G155	SSD 7228		Operational biodiversity management	<ul style="list-style-type: none"> Prevention of runoff and wastewater from the zoo entering the adjacent watercourse through the implementation of a constructed wetlands and harvesting pond in the west of the site. Ongoing weed control should be undertaken along the length of the works to reduce the impacts of edge effects on adjacent vegetation. 	<p>Interview:</p> <ul style="list-style-type: none"> Zoo (PT) stated that given the correspondence from EPA, they no longer conducted water monitoring. Sydney Zoo noted that no discharge has occurred as water is fully reticulated. The only reason water would be discharged is during a heavy rain event, which has not occurred. Zoo (PT) stated that stormwater at the site is directed to the dam onsite, which is then pumped to the pond at the eastern part and filtered, before recirculated around the site. <p>Observation:</p> <ul style="list-style-type: none"> Dam and pond observed. Also observed stormwater drains in the carpark area and roof runoff. No significant weed was observed. 				
G156	SSD 7228		Bushfire management - general	<ul style="list-style-type: none"> Implement appropriate hazard reduction program in consultation with Western Sydney Parklands and Cumberland Zone Rural Fire Service where woodland vegetation is within or above threshold. 	<p>Interview:</p> <ul style="list-style-type: none"> Zoo (PT) stated that they conducted bush trimming previously but was advised by Council to stop. Zoo (PT and DM) stated that RFS were on site a couple of times but there is no discussion on hazard reduction program. Sydney Zoo undertaken hazard reduction regularly. The Western Sydney Parklands Trusts (WSPT) email (24 February 2022) states that WSPT to undertake bushland management throughout the Bushland Area <p>Observation:</p> <ul style="list-style-type: none"> No excess fuel, mulch were observed. Access roads and tracks were adequately managed. No significant litter was observed. No noticeable overhanging of garden plantings was observed. 				

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G157	SSD 7228		Bushfire management during operation	<ul style="list-style-type: none"> Maintain access roads and tracks within the site and consider the following ongoing management of any buildings and landscaped areas: <ul style="list-style-type: none"> Removal of combustible material, particularly litter in gutters, near buildings. Removing excess amounts of fuel from garden areas (including organic mulch). Ensuring garden plantings do not overhang any buildings, tree canopies are discontinuous, and shrubs are not positioned within two metres of buildings. 	<p>Observation:</p> <ul style="list-style-type: none"> Access roads and tracks were adequately managed. No significant litter was observed. No noticeable overhanging of garden plantings were observed. 				
G158	SSD 7228		Operational Bushfire Management Plan	<ul style="list-style-type: none"> Prepare a Bushfire Emergency Management Plan outlining evacuation routes, firefighting protocols and hydrant locations. 	<p>Record sighted:</p> <ul style="list-style-type: none"> Bushfire Risk Management Plan (15 May 2024). Section 3.3: "Employees are provided equipment and training for firefighting as a precaution in the event that operational procedures result in ignition of a fire or they come into contact with fires during the course of their duties." Section 7 Provides operational requirement for fire emergencies. Section 7.1: "Sydney Zoo also maintains incident management manuals and policies for emergencies events. These include: > SYZPRO S0001 Ariel Emergency" 	<p>Recommendation: Please consider updating the Bushfire Risk Management Plan to include evacuation routes, firefighting protocols and hydrant locations, so the document can be a standalone document.</p>			
G159	SSD 7228		Construction hazard and risk management across the proposal	<ul style="list-style-type: none"> Prepare a hazard and risk management plan (HRMP) as a sub-plan of the CEMP. As a minimum, the plan would: <ul style="list-style-type: none"> Include an emergency response plan Be prepared by a suitably qualified hazard management specialist Provide for the implementation, monitoring and maintenance of the identified hazard controls. 					
G160	SSD 7228		Accidental spillage and discharge across the proposal during construction	<ul style="list-style-type: none"> Keep wet and dry spill kit, sand-filled/gravel-filled socks and geotextile matting 'onsite' at all times. Train staff in the appropriate deployment, use, removal and disposal of spill kit. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				
G161	SSD 7228		Workforce and public safety during construction across the proposal	<ul style="list-style-type: none"> Fence off and secure the site to prevent public access. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				
G162	SSD 7228		Workforce and public safety during construction across the proposal	<ul style="list-style-type: none"> Use terracing excavation methods where applicable. Backfill or cover all open excavations with boards/plates outside of working hours. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				
G163	SSD 7228		Workforce and public safety during construction across the proposal	<ul style="list-style-type: none"> Inspect the entry connection into the Parkland Access Road ahead of any required demobilisation to ensure there are no road-user or pedestrian hazards. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				
G164	SSD 7228		Hazardous material and dangerous goods transportation to the construction site during construction	<ul style="list-style-type: none"> Handle and use dangerous goods and hazardous materials in accordance with: the NSW Occupational Health and Safety Act 2000; the Storage and Handling of Dangerous Goods Code of Practice (WorkCover NSW, 2005); NSW Road and Rail Transport (Dangerous Goods) (Road) Regulation 1998; and Australian Government's Code for the Transport of Dangerous Goods by Road and Rail (National Transport Commission, 2008). 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				
G165	SSD 7228		Utility or services strike across the proposal during construction	<ul style="list-style-type: none"> Undertake detailed utility surveys as part of the detailed design along with utility-provider consultation. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				

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G166	SSD 7228		Utility or services strike across the proposal during construction	<ul style="list-style-type: none"> Prepare and work to a utility and services plan. No work would take place outside of this plan without additional consultation and utility searches. 	This condition is only applicable to construction stage. Hence this condition is considered as non-triggered in this operational Audit.				
G167	SSD 7228		Hazardous material and dangerous goods transportation and storage across the site during operation	<ul style="list-style-type: none"> Handle, store and use dangerous goods and hazardous materials in accordance with: the NSW Occupational Health and Safety Act 2000; the Storage and Handling of Dangerous Goods Code of Practice (WorkCover NSW, 2005); NSW Road and Rail Transport (Dangerous Goods) (Road) Regulation 1998; and Australian Government's Code for the Transport of Dangerous Goods by Road and Rail (National Transport Commission, 2008). 	See Condition C36 (G77)				
G168	SSD 7228		Hazardous material and dangerous goods storage during operation	<ul style="list-style-type: none"> Hazardous materials and dangerous goods will be store within a bunded and secure storage facility on-site. 	See Condition C36 (G77)				
G169	SSD 7228		Driver safety across the proposal during operation	<ul style="list-style-type: none"> Incorporate car park signage to indicate direction of travel and traffic calming devices including speed humps and speed limits. 	Observation: - Signage to the zoo and carpark, with speed limits, were observed.				
G170	SSD 7228		Energy efficiency measures during operation	<ul style="list-style-type: none"> Investigate opportunities for alternate energy provision after an initial review period of operation 	Interview: - Zoo (PT) stated that solar panels are installed. Observation: - Solar panels were observed at a number of buildings.				
G171	SSD 7228		Building performance during operation	<ul style="list-style-type: none"> Prepare a Section J energy efficiency assessment of the main buildings during the detailed design stage to determine possible energy saving measures 	Record sighted: - SLR (3 December 2015) Sydney Zoo Energy Efficiency & ESD Report.				
G172	SSD 7228		Water usage	<ul style="list-style-type: none"> Implement water efficient fittings and fixtures into building design 	Interview: - Zoo (PT) stated that low flow shower hoses and taps were installed with motion sensor.				
G173	SSD 7228		Transport during operation	<ul style="list-style-type: none"> Promote the use of public transport for patrons and staff Prepare an OTMP. 	Record sighted: - Sydney Zoo Travel Plan - How to Arrive at Sydney Zoo Safely brochure, which is also provided to staff during staff induction and displayed at staff information notice board. - OTMP is prepared, submitted and reviewed by the Planning Secretary. Observation: - Staff notice board was observed to include Work Travel Plan.				
G174	SSD 7228		Greenhouse gas emissions during construction	<ul style="list-style-type: none"> Recycle or compost waste were possible Choose nearby sources of fill and other building materials to reduce transport emissions Ensure construction plant is regularly maintained to ensure optimum fuel efficiency Where possible, operate construction plant at lower power settings to conserve fuel, and switch off engines when not in use Plan construction activities to avoid double handling of fill and other materials. 	This Condition is only applicable to construction stage. Hence this Condition is considered as non-triggered in this operational Audit.				
G175	SSD 7228		Greenhouse gas emissions during operation	<ul style="list-style-type: none"> Utilise energy efficient building design features such as natural ventilation and lighting, and insulation Consider on-site renewable energy, such as solar power Investigate the feasibility of using electric powered mobile plant on site. 	Interview: - Zoo (PT) stated that solar panels were installed. Observation: - Solar panels were observed at a number of buildings. - Electric cars (buggy) were observed to be on operation on site. Record sighted: - SLR (3 December 2015) Sydney Zoo Energy Efficiency & ESD Report.				
Operational Environmental Management Plan									
G176	OEMP	4.1	Environmental Audit	A copy of the Environmental Audit is to be provided to Blacktown Council for their records.	Record sighted: - Zoo email dated 12 April 2024 to the Council.				

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G177	OEMP	4.2	Document Currency	The currency of all copies of the OEMP shall be reviewed annually to ensure that current versions of the OEMP are available to staff and contractors and obsolete versions are removed to avoid errors and confusion. OEMP currency will also be maintained via controlled distribution of new revisions, as they become available, to relevant staff and contractors (with obsolete versions removed concurrently).	Interview: - Zoo (PT) stated that OEMP on site is still current. The first OEMP dated (April 2019) is still in use.				
G178	OEMP	4.3	Induction and Training	Sydney Zoo provide induction and training to new employees. Contractors are also provided with an induction. Sydney Zoo have developed checklists.	Record sighted: - Zoo People and Culture WHS Induction Interview: - Induction and training is provided to all contractors and new staff. - Sighted employee onboarding information, which includes induction record.				
G179	OEMP	4.4	OEMP Review	The OEMP and sub-plans will be reviewed after the first 12 months of operations to ensure it adequately addresses the identified issues. Follow up reviews shall take place every two years after, or when update of the OEMP is required. The review will be conducted by Sydney Zoo management and will consider, at a minimum: <input type="checkbox"/> guest comments; <input type="checkbox"/> agency input or response from DPE; <input type="checkbox"/> maintenance/operational activity details; <input type="checkbox"/> environmental monitoring outcomes; <input type="checkbox"/> incidences and non-conformances; <input type="checkbox"/> changes in organisational structure and responsibilities; <input type="checkbox"/> changes in standards and legislation; and <input type="checkbox"/> all relevant sub-plans.	Interview: - Zoo (PT) stated that there were no new changes to the OEMP. Record Sighted: - Zoo email to Ethos Urban pertaining compliance program (22 July 2020) indicate that the OEMP has been revised. Geosyntec noted that some sub-plans in the OEMP has been revised although the OEMP main document is still dated 2019. - Zoo email (2 August 2022) to Ethos Urban pertaining compliance. Ethos Urban highlight the need for OEMP review relating to condition D7. - Zoo email (5 June 2024) to Geosyntec states that the email to Ethos Urban dated 2 August 2022 was a follow up email on the OEMP review they had.	Recommendation: The OEMP must be reviewed every two years and considers: - guest comments; - agency input or response from DPHI; - maintenance/operational activity details; - environmental monitoring outcomes; - incidences and non-conformances; - changes in organisational structure and responsibilities; - changes in standards and legislation; and - all relevant sub-plans. Record of review must be kept.			
G180	OEMP	4.4	OEMP Review	Any revisions of the OEMP will be forwarded to the DPE.	Interview: - Zoo (PT) stated that the OEMP has never been revised or altered. This item is considered as non triggered.				
G181	OEMP	4.6	Non-Conformance and Corrective Action	As soon as it is recognised that any required environmental control is not in place, environmental management practices are not being adhered to, or environmental impacts exceed nominated criteria, the Managing Director will inspect the Zoo site and / or activities to review the extent of the possible non-conformance. Activities in the affected area will cease or be modified until the non-conformance has been corrected. The Managing Director is responsible for ensuring appropriate rectification measures, including work procedures, have been effectively implemented. Approval from the Managing Director is required before work can re-commence. Non-conformances reported are to be recorded in the reporting database and will include details of the non-conformance, any immediate actions undertaken and the corrective actions implemented to prevent a recurrence. The incident report would be reviewed by the relevant Head. A register of non-conformances must be maintained for all active and resolved non-conformances.	Interview: - Zoo (PT) stated that there has been no non-conformance identified with regard to environmental control, environmental management practices, or environmental impacts exceed nominated criteria.				
G182	OEMP	5.1.1	Community Consultation and Engagement	- All emergency complaints received acknowledged within 2 hours via telephone. - Non-emergency complaints received acknowledged within 24 hours via telephone or email. - All complaints resolved and a response provided within 5 working days. - Respond to all enquiries and feedback within 5 working days. - Receive feedback from guests through surveys (both online and hard copy) and feedback received online and in person - For audit and compliance purposes, details of all complaints are to be logged and updated in the Sydney Zoo complaints register. The complaints register shall be used to track the progress of complaints handling, ensure all involved personnel understand and maintain engagement with the process.	Interview: - Zoo (PT) stated that there has been no complaint to date other than complaint about events seating being full (such as Bluey show).				

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G183	OEMP	6.1.1	Stormwater and Water Quality Management	<ul style="list-style-type: none"> - Monthly inspection of stormwater quality devices, swales, wetlands and pond systems and maintenance as required. - Pollution control equipment / spill kits suitable for containing spills that may arise shall be kept in clearly marked accessible locations adjacent to relevant activities (see map). Instructions for spill clean-up procedures to be made available with equipment / kits. Maintain emergency spill kits on-site at all times. - Make all staff aware of the location of the spill kits as part of the employment induction - Staff members are to be trained in the use of the spill kits as part of induction with regular refresher courses (every 12 months) to ensure that spills are contained and cleaned up in a manner that minimises the opportunity for environmental harm. - Spill incident report sheets are to be completed for chemical (including oils/oily waters) spills on-site, including recording details of the actions taken during the event. - Prevention of runoff and wastewater from the zoo entering the adjacent watercourse through the implementation of a constructed wetlands and harvesting pond in the west of the site. - Prepare and implement maintenance schedule for implementation of procedures for ensuring maintenance is frequent, and also after any large storm events - Prepare and implement a schedule for aquarium discharge and processes for managing outflows to ensure compliance with the water monitoring program targets. - Prepare a monthly summary report of water monitoring results to inform the Annual Report. 	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that inspection and maintenance happens on as-needed basis. Maintenance action is performed to rectify the issue should issues arise. - Spill kits are available and the staff who need to be able to use them are trained. - Zoo (PT) aquarium water is recycled and recirculated for reuse. There is no planned aquarium discharge as the site has 50,000 litres holding tank to minimise discharge and maximise water recycling. Only overflow need to be discharged as the last resort occasionally. <p>Record sighted:</p> <ul style="list-style-type: none"> - MRF Job Request 2502 to address overgrown plants in savannah exhibit. The swale was made deeper to allow water to flow. - Sewer water monitoring for January, March, May, July, September, November 2023, January and March 2024. - ALS analysis for Sydney Zoo Trade waste project samples in January, March, May, July, September and November 2023 shows Total Dissolved Solids above the standard concentration limits of 500 mg/L but below 10,000mg/L. - Annual Reviews Appendix is dedicated for water monitoring results <p>Observation:</p> <ul style="list-style-type: none"> - Aquarium filtration tanks were observed. 				
G184	OEMP	6.1.2	Waste Management	<ul style="list-style-type: none"> - Waste shall be secured and maintained within designated waste storage areas at all times - Source materials for retail packaging that use recycled content, use bulk purchasing to avoid packaging, and avoid the use and distribution of single use plastic bags. - Monitor quantities (volume and/or weight) of waste recovery in to determine whether storage areas and collection frequencies are adequate. - A <u>review</u> shall be incorporated into routine management meetings to assess the efficiency of the waste management regime and identify strategies to improve waste management at the facility. - <u>Visual inspection of on-site storage and permanent drains shall</u> be used to assess compliance with waste management plan. The following shall indicate a failure and the need for corrective action: <ul style="list-style-type: none"> • presence of litter on the property or in adjacent environments; and • presence of pests or nuisance species. - Achieve a waste recovery target of 60%. - Waste recovery data to be provided in a monthly summary report for public display on the website. 	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that the site packaging and cutleries are from degradable materials. Wastes are secured. <p>Record sighted:</p> <ul style="list-style-type: none"> - Monthly GrassHopper Waste Report from July to December 2020, May to December 2021, January to December 2022, January to December 2023, January and February 2024. Waste recovery is above 60% from March 2023 to Feb 2024. In a randomly checked report, waste recovery is noted below 60% in May- Aug 2021, November 2022, January 2023, and February 2023 waste report. - On 16 April 2024, monthly waste reports are provided in the Zoo website. <p>Observation:</p> <ul style="list-style-type: none"> - Waste segregation was observed within the food areas, in the waste areas (adjacent to the office building) and in the vicinity of the back of the houses. - No litter was observed onsite. - No pests or nuisance species were observed. 				
G185	OEMP	6.1.3.	Noise Management	<ul style="list-style-type: none"> - Minimise unnecessary public announcements - Restrict the use of horns on delivery vehicles and buses 	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that this item is implemented on site. <p>Record sighted:</p> <ul style="list-style-type: none"> - No complaints were recorded with respect to these items. 				
G186	OEMP	6.1.4	Air Quality and Odour Management	<ul style="list-style-type: none"> - Employees to report the presence of odours, particularly in unexpected places, to site environmental manager. - Use electric vehicles for everyday operations movement within the site - Restrict unnecessary idling of delivery vehicles when loading/unloading - Minimise use of diesel generators unless required by emergency protocols - All reported odours to be investigated within 24 hours. - Measure distance travelled by electric vehicles annually - Report all monitored results in the Annual Report. 	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that this item is implemented on site. <p>Record sighted:</p> <ul style="list-style-type: none"> - No complaints were recorded with respect to these items.. <p>Observation:</p> <ul style="list-style-type: none"> - No unacceptable odour was observed. - e-vehicles were observed. 				

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G187	OEMP	6.1.5	Traffic and Transport Management	<ul style="list-style-type: none"> - Conduct a visitor survey to identify the mode used by guests to arrive and depart the site. - Biannual traffic counts and carpooling counts (average people per vehicle), - Annual review of the Work Place Travel Plan, in consultation with staff. - Document results of monitoring in annual report - Increasing use of public transport by visitors and employee over first 5 years of operations. 	<p>Record sighted:</p> <ul style="list-style-type: none"> - "Sydney Zoo Travel Plan - How to Arrive at Sydney Zoo Safely" brochure, which is also provided to staff during staff induction and displayed at staff information notice board. - OTMP was prepared, submitted and reviewed by the Planning Secretary. - Ethos Urban (29 November 2018 updated 8 March 2021) Work Place Travel Plan address this condition. Work Place Travel Plan is part of Operational Traffic Management Plan. <p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that the location of the bus stop on the Great Western Highway is not attractive to promote the use of public transport. - Zoo (PT) stated that the availability of public transport to the zoo is limited and difficult for visitors. The train station is located around 5km away, with infrequent bus services which pass the zoo. The busses stop on the Great Western Highway (no bus shelters or paved pathways exist to those stops). As a result, it has been observed that the majority of visitors and staff utilise their own transport to the zoo. 	Given the public transport infrastructure around the zoo and the duration of operation to date, the Zoo appear to have had a good understanding on the guests' mode of transport. The zoo might want to review the condition/mitigation in the OTMP to ensure the document remains up to date and relevant.			
G188	OEMP	6.1.6	Animal Welfare and Biosecurity	<ul style="list-style-type: none"> - Support both in-situ and ex-situ conservation programs - Wherever possible educate the public on the plight of wildlife and their habitats through the use of interpretive signage and keeper talks - Promote the sale of retail products that support in-situ conservation programs which result in real and measurable benefits to species in the wild - Remain committed to supporting the Zoo and Aquarium Association endorsed species management and breeding programs 	<p>Interview: Zoo (PT) stated that the following are conducted:</p> <ul style="list-style-type: none"> - A rolling conservation program in place are ambassador species, chimpanzee, and sharks. - Retail products are derived from sustainable sources, the new upcoming coffee contract will also be from a sustainable coffee supplier. - Animal breeding programs are in place where applicable. <p>Observation:</p> <ul style="list-style-type: none"> - Ecologically sustainable soft toys and cards sold at the retail shop. The cards are aimed for conversation program as well. - Ecologically sustainable cutleries used in the food area. - Conservation program banner observed at the chimpanzee area. 				
G189	OEMP	6.1.7	Vegetation and Landscape Management	<ul style="list-style-type: none"> - Keep a record of native animal visitations (e.g. birds and mammals) - Regeneration and animal visitations recorded in Annual Report. - Report siting of Threatened Species to OEH Atlas of NSW Wildlife. 	<p>Record sighted:</p> <ul style="list-style-type: none"> - A list of animal visitations (Fauna List Updated by RW 14 April 2024). <p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) there is no threatened species sighted. 	Recommendation: Any sighting of threatened species should be reported to OEH Atlas of NSW Wildlife.			
G190	OEMP	6.1.8	Heritage Interpretation	<ul style="list-style-type: none"> - Annual inspection of interpretive information. - Reporting any maintenance of interpretive information recorded in Annual Report. - Interpretive information retained and maintained for the life of the development. 	<p>Record sighted:</p> <ul style="list-style-type: none"> - Sydney Zoo Annual Review January 2023-December 2023 - Review of Environmental Performance of Sydney Zoo (October 2022) <p>Observation:</p> <ul style="list-style-type: none"> - Heritage interpretive information observed near the entrance of the zoo. 				
G191	OEMP	6.1.9	Aboriginal Cultural Experience Management	<ul style="list-style-type: none"> - Annual inspection of interpretive information. - Annual review of Aboriginal Heritage Experience Strategy with provider and relevant Aboriginal stakeholders (including Aboriginal employees) - Reporting any maintenance of interpretive information recorded in Annual Report. - Between 20 and 30 full time Aboriginal positions at Sydney Zoo in various roles. 	<p>Record sighted:</p> <ul style="list-style-type: none"> - Sydney Zoo Annual Review January 2023-December 2023 - Review of Environmental Performance of Sydney Zoo (October 2022) <p>Observation:</p> <ul style="list-style-type: none"> - Heritage interpretive information observed near the entrance of the zoo is in a good condition. <p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that the zoo has a "tick box" for employees to indicate whether they are indigenous, however, that "tick box" is not compulsory for staff to check. As a result, it is difficult to know what level of positions are filled by people who identify as indigenous across all departments. However, Sydney Zoo thinks that they do not have 20-30 staff who would identify as indigenous. Sydney Zoo has 8 targeted aboriginal rangers employed at Sydney Zoo – these Rangers deliver educational programs to all Sydney Zoo visitors – International Markets, Schools etc. <p>Record Sighted:</p> <ul style="list-style-type: none"> - Aboriginal Cultural Programs Strategy. The strategy reviewed the 2022 year and set new strategies for 2023. 	Recommendations: The zoo should continue to increase the Aboriginal employment at the zoo in line with the Zoo OEMP target and consider including the relevant Aboriginal stakeholders in the annual review of Aboriginal Heritage Experience Strategy.			

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G192	OEMP	6.1.10	Energy and Water Consumption	<ul style="list-style-type: none"> - Investigate opportunities for alternate energy provision after an initial review period of operation, including on-site renewable energy, such as solar power - Monitor water main and sub-meters to detect leaks, monthly - Monitor electrical main and sub-meters, monthly - Monitor distance travelled by electric vehicles on site annually - Document results of monitoring in annual report. - Publish details of distance travelled by electric vehicles on website. - Decreasing water and electricity demand on an annual basis over the first 5 years of operation. 	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that solar panels were installed. <p>Record sighted:</p> <ul style="list-style-type: none"> - Various internal emails by Sydney Zoo enquiring on increased water bills and investigation on the increase. - Distance travelled by electric vehicles were monitored but not every year. . <p>Observation:</p> <ul style="list-style-type: none"> - e-vehicles observed. - Solar panels observed. 	<p>Recommendation:</p> <p>The next annual report should include items to address energy, water efficiency, and electric vehicles travel distance.</p>			
G193	OEMP	6.1.11	Hazardous Materials and Dangerous Goods	<ul style="list-style-type: none"> - No material regulated under the Radiation Control Act 1990 to be accepted at the site without prior authorisation from the EPA. - Restrict smoking within the Zoo grounds. - A register shall be maintained of all dangerous and hazardous substances to be kept in the administration building including the Material Safety Data Sheets (MSDS) - Annual review of hazardous materials and dangerous goods to ensure Materials Safety Data Sheets are available. - Non-compliances with Workplace Health and Safety requirements recorded in Annual Report. - Annual stocktake of Dangerous Goods to be recorded in Annual Report and storage volumes assessed against quantities set out in the Department of Planning's Applying SEPP 33 Guideline. 	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that no regulated materials including radiation materials are stored/used on site. <p>Observation:</p> <ul style="list-style-type: none"> - SDS observed at the food area and near fuel storage area. Some of the SDS' near the fuel storage area were not current. On 16 May, the zoo confirmed that it has been updated. The SDS softcopy was provided to Geosyntec. <p>Record Sighted:</p> <ul style="list-style-type: none"> - Chem Register PDF that suggest that documentation associated with the chemicals are registered in the system too. - Updated softcopy SDS for diesel and unleaded petrol. 	<p>Recommendation:</p> <p>In accordance to the OEMP requirement, the Annual Report should report the annual stocktake of dangerous goods.</p>			
G194	OEMP	6.1.12	Bushfire Hazard Management	<ul style="list-style-type: none"> - Implement appropriate hazard reduction program in consultation with Western Sydney Parklands and Cumberland Zone Rural Fire Service where woodland vegetation is within or above threshold. - Maintain access roads and tracks within the site and consider the following ongoing management of any buildings and landscaped areas: - Removal of combustible material, particularly litter in gutters, near buildings. - Removing excess amounts of fuel from garden areas (including organic mulch). - Ensuring garden plantings do not overhang any buildings, tree canopies are discontinuous, and shrubs are not positioned within two metres of buildings. - <u>Prepare a Bushfire Emergency Management Plan outlining evacuation routes, firefighting protocols and hydrant locations.</u> - Inspect buildings and vegetation for bushfire risks by 1 September every year to prepare for the bushfire season - Review Bushfire Emergency Management Plan by 1 November every year to confirm or update management measures. - Undertake bushfire hazard reduction maintenance works by 1 November each year. 	<p>See Items G156 and G158.</p> <p>Observation:</p> <ul style="list-style-type: none"> - No excess fuel, mulch were observed. - Access roads and tracks were adequately managed. - No significant litter was observed. - No noticeable overhanging of garden plantings were observed. <p>Record Sighted:</p> <ul style="list-style-type: none"> - Maintenance request email approval by HoD (15 May 2024). Building and vegetation inspection is scheduled for 31 August 2024 this year. "Task Title: Bushfire prevention Plan, gutter maintenance Nature of work required: clean building gutters, must be completed prior to 31/08/2024 Reason for work required: Bushfire management Required to be completed prior to September" <p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) previous maintenance records could not be obtained as the previous management system (HIPPO) had been replaced with Safety Champion. 				

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Operational Traffic Management Plan (OTMP)									
G195	OTMP	7.1 and Appendix G Section 4 & 5.	Traffic and Pedestrian Management. Initial Opening Phase and Night-time Event and Corporate Function	<ul style="list-style-type: none"> - Additional staff to be deployed as marshals to manage and direct vehicle traffic at the main entry and within the car park to ensure continual circulation in a safe and efficient manner. Marshals will be dressed in uniform and personal protective gear, including a high-visibility jacket. Staff will be equipped with light-up traffic batons to direct motorists and hand-held radios to stay in communication with other staff at all times. - When the on-site car park reaches full capacity, traffic will be directed towards the overflow parking area at Sydney Motorsport Park - In the event that the on-site car park reaches capacity, temporary variable message signs (VMS) along the routes to Sydney Zoo and the off-site overflow car park will be switched on to direct visitors to the off-site overflow car park. - Marshals will also be stationed at nearby bus stops to direct pedestrians towards the site who will be travelling by public transport. - Visitors will be provided with a pamphlet containing a map with walking directions to the site and details of departing public transport services. - When Sydney Zoo is opened to the public, staff will be required to park at the off-site overflow parking facility. This will allow the maximum number of visitors to park within the on-site car park. Staff will be informed of the parking arrangement throughout earlier training and reminders will be given to staff during pre-opening employee briefings.'- Site personnel will be stationed within the car park to provide transport information and direct pedestrians to designated set-down and pick-up areas. 	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that additional carpark was only needed at the time of the zoo opening in 2019. This was not done since it did not provide good experience for the visitors. The zoo has limited its manifests to decrease the number of visitors at any time, which means the carpark is always adequate. <p>Observation:</p> <ul style="list-style-type: none"> - Carpark was not full, noting that the audit was conducted during the school holiday period. 				
G196	OTMP	7.2	Traffic and Pedestrian Management. All Operational Phases	<ul style="list-style-type: none"> - Coaches and buses will access the car park via the main site access and will be directed by marshals to dedicated zones. These vehicles will only be permitted to drop-off and pick-up visitors in the dedicated zones to minimise disruptions to car park circulation. - Installation of the static signage along the key routes to direct traffic towards Sydney Zoo. 	<p>Observation:</p> <ul style="list-style-type: none"> - Signage was observed. - No coaches were observed before 9am. - Coaches were not observed to park in the general parking area. One coach was observed at the designated carpark area. 				
G197	OTMP	8	Mitigation Measures	<ul style="list-style-type: none"> - When purchasing an entry ticket to Sydney Zoo, patrons may be required to select the hour which they choose to visit. If a preferred time slot becomes 'booked out', patrons will be able to select from the remaining available periods. - Incentives can be offered to patrons who nominate an arrival time slot in off-peak periods.. - Vehicle detection loops (or counters) can be installed at the access to the on-site car park which will inform Sydney Zoo operators when the car park is almost at full capacity. At this point, the site operators will be able to update the variable message signs placed en route to the Zoo which will direct patrons travelling by car to park at Sydney Motorsport Park. - Sydney Zoo tickets which are purchased online may incorporate both the entry price to the venue and transport costs on Sydney's public transport system. - Provide free shuttle bus service between Sydney Zoo and Blacktown Station. Implementation of this measure requires further consultation with TfNSW to negotiate stopping locations for the Zoo's shuttle buses at Blacktown Station. The shuttle bus may utilise the dedicated coach/bus stop at the main entrance to the Zoo. It is recommended that clear signage and line marking be implemented to access routes to/from shuttle bus stops and pick-up and drop-off areas. - Weekday Tourist packages that include entry into Sydney Zoo and other attractions located in Western Sydney (for example, Wet'n'Wild, Featherdale Wildlife Park or day-trips to the Blue Mountains) on weekdays can be offered. - Promotion of educational tours in off-peak periods - Encourage staff travel through nonprivate car usage. - Consider end-of-trip facilities including storage rooms, lockers, showers and change rooms for staff. - Promotion of car-pooling could be included as part of the staff pre-employment package. - Preparation of a Transport Access Guide for visitors. The Transport Access Guide will be available to download at the time of booking and on the Sydney Zoo website. 	<p>Record sighted:</p> <ul style="list-style-type: none"> - Sydney Zoo website allows selection of entry time. - Sydney Zoo Website has information on travel to the zoo. - Sydney Zoo Travel Plan provided as part of staff induction. <p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that no shuttle bus service is available as patrons come via private vehicles. - Zoo (PT) stated that educational tours are always conducted during off-peak season as it is done during school hours. <p>Observation:</p> <ul style="list-style-type: none"> - Carpark was observed to be adequate, noting the audit was conducted during school holiday. 				

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Work Place Travel Plan (WPTP)									
G198	WPTP	4 (Table 6)	Actions	<ul style="list-style-type: none"> - Provide sufficient cycle parking for workers which is easily accessible and secure. Ensure cycle parking is clearly visible or provide signage to direct people to cycle bays. - Provide assistance (via advertising and updating information in the welcome information pack) to workers who wish to commence a social group (walking, cycling carpooling group etc.) - Promote the use of a car sharing scheme such as Uber for transport to and from public transport interchanges and the site. - Provide all new employees of the Zoo with a welcome information pack. Produce and place the following in the induction information pack for workers: <ul style="list-style-type: none"> - A map showing safe walking routes to and from the site with times and distances to local facilities including bus stops, train stations, shops etc. - A map showing safe cycling routes to and from the site with times and distances to key locations including bus stops and train stations. - A map showing key public transport routes in the area including buses and trains. - A timetable of key bus routes and train information. 	Record sighted: - Sydney Zoo Travel Plan provided as part of staff induction.				
G199	WPTP	4 (Table 6)	Promotion and Marketing	<ul style="list-style-type: none"> - A community noticeboard is to be placed in the administration building which details the green travel initiatives mentioned above. This could include: <ul style="list-style-type: none"> • A map showing how to access key travel modes; • Key changes to public transport information such as updates to bus routes and train trackwork; and • Reminders for how to access any social group established by workers. 	Observed: - Staff noticeboard showing Work Travel Plan.				
G200	WPTP	4 (Table 6)	Annual survey	Conduct travel surveys via an online survey emailed to all workers to determine if the objectives of the Work Place Travel Plan are being met.	Interview: - Zoo (PT) stated that there is no formal survey conducted.	This item is considered as non-compliant as formal worker travel survey has not been conducted. Recommendation: Workers travel surveys should be conducted to determine if the objectives of the Work Place Travel Plan are being met, or this requirement should be removed from the Work Place Travel Plan.			
Community Consultation and Engagement Plan									
G201	CCS	6.1	Quarterly town hall meetings. These channels will also be employed during operation of the Zoo.	<p>Target Audience: Local communities, schools and businesses</p> <ul style="list-style-type: none"> • Sydney Zoo will organise quarterly meetings with the local community at a suitable venue close to the site, such as Bungarribee Resource Centre Community Hub. • These meetings will be notified to the public via the project website, social media feeds and a letterbox notification to nearby residents. Attendees will be asked to RSVP in advance and sign an attendance register at the event. They will also be invited to submit agenda items for discussion in advance. • Where feasible, alternative methodologies and approaches on key issues during construction and operation will be presented and feedback received considered in final decision making. • An engagement survey will be distributed at each Town Hall meeting (as well as via the project website and social media feeds) to capture feedback on key issues or community concerns related to the project. • A report containing the results of this survey and key issues raised at each meeting will form part of a standing agenda item at each meeting of the Sydney Zoo Board of Directors with any resolutions or actions taken as a result being communicated back to the community via the channels listed in this plan and announced publicly if appropriate. This report will also be shared with the Department of Planning and Environment for information. • Outcomes of decision making and specific statements on how community feedback has influenced decisions will be made public on the project website and reported back to the community at the regular town hall meetings. 	Interview: - Zoo (PT) stated that this item was in relation to the construction phase. Town hall meetings are not proposed for the operational phase.	Recommendation: The Community Consultation and Engagement Plan must be updated to reflect the requirement for the operational phase only.			

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G202	CCS	6.1	Stakeholder briefings and meetings. These channels will also be employed during operation of the Zoo.	<p>Target Audience: Key Stakeholders including government elected representatives and agencies, local government, utility providers, businesses and community action groups</p> <ul style="list-style-type: none"> Stakeholder meetings will be held prior to key milestones or when specific issues arise. Key milestones and issues that would trigger stakeholder briefings could include: <ul style="list-style-type: none"> Topping out of construction Opening of the Zoo Planned changes to operations or exhibits A report detailing the key issues raised at each meeting will form part of a standing agenda item at each meeting of the Sydney Zoo Board of Directors with any resolutions or actions taken as a result being communicated back to the stakeholders via the channels listed in this plan and announced publicly if appropriate. This report will also be shared with the Department of Planning and Environment for information. Outcomes of decision making and specific statements on how community feedback has influenced decisions will be made public on the project website and reported back to the community at further stakeholder meetings, information sessions and the regular town hall meetings. 	<p>Interview:</p> <ul style="list-style-type: none"> Zoo (PT) stated that this item was in relation to the construction phase. Town hall meetings are not proposed for the operational phase. 	<p>Recommendation: The Community Consultation and Engagement Plan must be updated to reflect the requirement for the operational phase only.</p>			
G203	CCS	6.1	Community information and feedback sessions. These channels will also be employed during operation of the Zoo.	<p>Target Audience: Stakeholders, local communities and businesses</p> <ul style="list-style-type: none"> Public information and feedback sessions with attendance from representatives of the project team will be undertaken prior to key milestones and phases of works. Key milestones and issues that would trigger information sessions could include: <ul style="list-style-type: none"> Topping out of construction Opening of the Zoo Planned changes to operations or exhibits A report detailing the key issues raised at each session will form part of a standing agenda item at each meeting of the Sydney Zoo Board of Directors with any resolutions or actions taken as a result being communicated back to the stakeholders via the channels listed in this plan and announced publicly if appropriate. This report will also be shared with the Department of Planning and Environment for information. Outcomes of decision making and specific statements on how community feedback has influenced decisions will be made public on the project website and reported back to the community at further stakeholder meetings, information sessions and the regular town hall meetings. 	<p>Interview:</p> <ul style="list-style-type: none"> Zoo (PT) stated that there has been no significant change to the zoo exhibits that require stakeholder consultation. 	<p>Recommendation: The Community Consultation and Engagement Plan must be updated to reflect the requirement for the operational phase only.</p>			
G204	CCS	6.1	Attendance at local community festivals. These channels will also be employed during operation of the Zoo. Talks, previews and events at the Zoo. These channels will also be employed during operation of the Zoo.	<p>Target Audience: Local community</p> <ul style="list-style-type: none"> Pop-up information and feedback stalls will be held at major community festivals to reach out to the broader community Opportunity to attend talks, previews and other events (As advertised in the quarterly hard copy and e-newsletter) 	<p>Interview:</p> <ul style="list-style-type: none"> Zoo (PT) advised the following community events: <ul style="list-style-type: none"> 15 May 2021 - WSU mid year information day, Parramatta South Campus, Rydalmere. Aboriginal cultural display and talks about our Bungarribee Dreaming programs that is offered at Sydney Zoo. 14 August 2022 – WSU Open day, Parramatta South Campus, Rydalmere. Aboriginal cultural display and talks about our Bungarribee Dreaming programs offered at Sydney Zoo. 2 September 2023 – Coastal environment centre enviro fair, North Narrabeen. Cultural and animal displays and presentations. 				

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G205	CCS	6.1	Considerate contractor training and toolbox talks. These channels will also be employed during operation of the Zoo.	<p>Target Audience: Stakeholders, local communities and businesses.</p> <ul style="list-style-type: none"> All workers and visitors attending the site will be required to complete a project induction, which will clearly set out obligations and requirements in relation to health, safety, environmental and community issues. The Principal Contractor is also responsible for properly training all necessary staff on the procedures required by the CFEMP. All employees, Sub-contractors and consultants will be required to provide evidence of appropriate licences or permits to operate machinery or other equipment required to perform their works on the Site. The Principal Contractor or Principal Contractor's agent will retain Site induction records, evidence of appropriate licenses or permits and other documents as necessary as training records for the project. In addition, toolbox talks will be undertaken on a regular basis and will include, where required, information on the environmental aspects of the remedial and earth works. Where required, specific training will be provided to the relevant personnel on hazards associated with specific tasks and the controls to be implemented to minimise environmental harm and community impact. 	<p>Record sighted:</p> <ul style="list-style-type: none"> Employee onboarding record, which includes induction. Toolbox email (7/2/2024). Email (29 January 2024) reminding the contractors (ITO) on site speed limit Signed toolbox observed on staff notice board. Sydney Zoo Safety Induction questionnaire that assesses the inducted contractor knowledge on speed limit on site, injury reporting, use of mobile phone and sign in/our requirement, SDS requirement etc. WHS induction slides. Induction includes : <ul style="list-style-type: none"> Site Access Parking Plant and Equipment Incident and Hazard Reporting PPE – Personal Protective Equipment Emergency Procedures and Response Two Way Radio Communication Drug and Alcohol Policy Risk Management Dangerous Goods Environment Wellbeing 				
Water Quality Monitoring Program (WQMP)									
G206	WQMP	4.2.2	Operational Phase	<p>The following treatment measures are proposed for stormwater:</p> <ul style="list-style-type: none"> For general areas of the zoo complex, including exhibits, footpaths, roadways, public areas etc, following filtration in the bioretention basins, treated runoff water will be directed to the stormwater harvesting storage areas; Runoff from new roof catchments within the Zoo footprint will be collected and diverted (via a first flush device) directly to the pit and pipe subsurface drainage network connecting the bioretention basins, and onward to the stormwater harvesting storage areas; and Runoff from the carpark catchments will be conveyed via sheet flow to various stormwater pits incorporating primary treatment of stormwater pollutants, before diverting to a <u>gross pollutant trap</u> for secondary treatment and then directed to the stormwater harvesting storage areas. The harvested stormwater will be pumped on demand from both locations to the holding basin adjacent the restaurant building. Stormwater re-use demands for the site (irrigation, top-up of wet moats, greywater for toilet flushing and hose down areas) will be drawn via a pump from the holding basin. Greywater demand and moat top up will receive additional treatment via proprietary mechanical filtration and UV disinfection prior to reticulation through the site. 	<p>Interview:</p> <ul style="list-style-type: none"> Zoo (PT) stated that stormwater at the site is directed to the dam onsite, which is then pumped to the pond at the eastern part and filtered, before recirculated around the site. PT's description of the water treatment process met the requirement of this WQMP. <p>Observation:</p> <ul style="list-style-type: none"> Dam and pond observed. Also observed stormwater drains in the carpark area and roof runoff. No evidence of water pollution exiting the site observed. 				

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G207	WQMP	5.1-5.3	Sampling / Monitoring	<p>Sampling location to be undertaken.</p> <table border="1"> <caption>Table 1: Locations of Proposed Water Sampling Points</caption> <thead> <tr> <th>Sampling Point No.</th> <th>Sampling Point</th> <th>Eastings</th> <th>Northings</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>On-Site Wetland discharge (north west)</td> <td>302125.983</td> <td>6259354.503</td> </tr> <tr> <td>2</td> <td>On-site Wetland discharge (north east)</td> <td>302638.981</td> <td>6259300.335</td> </tr> <tr> <td>3</td> <td>South of Western Discharge Point (50m upstream)</td> <td>302156.525</td> <td>6259044.73</td> </tr> <tr> <td>4</td> <td>West of Western Discharge Point</td> <td>302050.439</td> <td>6259196.627</td> </tr> <tr> <td>5</td> <td>North of Western Discharge Point (50m downstream)</td> <td>302018.32</td> <td>6259504.157</td> </tr> </tbody> </table> <p>* The exact locations will be confirmed post construction of the Zoo</p> <p>Discharges at some sampling points will probably occur only after rainfall, and therefore those sampling points will be sampled by on-site personnel on an ad-hoc basis during discharge events following rainfall.</p> <ul style="list-style-type: none"> - Sampling will continue during the operational phase at least twice per month until the performance of the system and consistency of results has been validated by the EPA. - All analyses (Biological oxygen demand (BOD); total suspended solids (TSS); enterococci; total phosphorus; filterable reactive phosphorus; Total nitrogen; Oxides of nitrogen; Ammonia; and Chlorophyll) will be undertaken in a laboratory holding NATA certification for the tests conducted. - Water quality parameters, including pH, dissolved oxygen, electrical conductivity and redox potential will be carried out at the sampling locations. - Results of the sampling and laboratory analyses should be provided to the NSW EPA within 2 weeks of each sampling event. An annual report will be prepared which will document the first nine sampling rounds and review the frequency (if necessary) of any additional monitoring. 	Sampling Point No.	Sampling Point	Eastings	Northings	1	On-Site Wetland discharge (north west)	302125.983	6259354.503	2	On-site Wetland discharge (north east)	302638.981	6259300.335	3	South of Western Discharge Point (50m upstream)	302156.525	6259044.73	4	West of Western Discharge Point	302050.439	6259196.627	5	North of Western Discharge Point (50m downstream)	302018.32	6259504.157	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) the zoo have had no major runoff events and continue to monitor the runoff from the site noting the water harvesting systems which are in place. - Zoo (PT) stated that water monitoring has not been further conducted since the completion of the construction, following EPA advice below. <p>Record sighted:</p> <ul style="list-style-type: none"> - Consulting Earth Scientist (18 December 2017) Proposed Water Quality Monitoring Programme. Sydney Zoo site, Bungarribee Super Park, Doonside NSW. WQMP (18 December 2017) was approved by the Planning Secretary in a letter dated 20 December 2017. The same WQMP (18 December 2017) is attached to the OEMP dated 5 April 2019. - EPA email dated 24 November 2020 to the Zoo Managing Director states that EPA does not have an ongoing regulatory role and EPA decided that they will not provide any further comments on the water quality program or assessment. 	<p>Recommendation: Sydney Zoo should inform DPHI on the EPA's advice that water monitoring is no longer required. The DPHI advice will be required on the cessation of this Water Quality Monitoring Program.</p>			
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G208	WQMP	5.6	Protocol for Remedial Actions	<p>In the event that satisfactory treatment performance of waters intended for discharge is not achieved, Sydney Zoo will assess the extent of the problem and work with the EPA to modify or improve the stormwater system through additional treatment systems, as appropriate. In such a case, a protocol detailing the specific remedial action/s that will be undertaken will be prepared, including when each triggered remedial action would be completed.</p>	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) the zoo have had no major runoff events and continue to monitor the runoff from the site noting the water harvesting systems which are in place. - Zoo (PT) stated that water monitoring has not been further conducted since the completion of the construction, following EPA advice below. <p>Record sighted:</p> <ul style="list-style-type: none"> - Consulting Earth Scientist (18 December 2017) Proposed Water Quality Monitoring Programme. Sydney Zoo site, Bungarribee Super Park, Doonside NSW. WQMP (18 December 2017) was approved by the Planning Secretary in a letter dated 20 December 2017. The same WQMP (18 December 2017) is attached to the OEMP dated 5 April 2019. - EPA email dated 24 November 2020 to the Zoo Managing Director states that EPA does not have an ongoing regulatory role and EPA decided that they will not provide any further comments on the water quality program or assessment. 	<p>Recommendation: Sydney Zoo should inform DPHI on the EPA's advice that water monitoring is no longer required. The DPHI advice will be required on the cessation of this Water Quality Monitoring Program.</p>																											

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Waste Management Plan (WMP)									
G209	WMP	6.8.1	Waste Receptacles	<p>- Bin types used at the site will need to be resilient to Australian weather conditions (i.e. harsh solar conditions, wind and rain) to prevent damage and colour fading over time. It is recommended that bins with lids are utilised to ensure waste materials are suitably contained; being sheltered from the wind and keeping waste out of reach of pests (i.e. birds and vermin) to avoid waste items disposed of in bins becoming a source of windblown litter.</p> <p>- It is further recommended that solar compacting / smart bins are considered to enable real time monitoring of available bin capacity or fullness. Solar compacting bins have a compaction ratio of 1:5 and can therefore significantly increase the waste and recycling storage capacity of public bins by 4 to 5 times at the site.</p> <p>Cafe /Restaurant</p> <p>- Waste receptacles are required for food preparation areas and for table cleaning purposes.</p> <p>- Waste receptacles included within kitchen and food preparation areas (general waste bins, recycling bins, food waste bins, separate fish waste bins, as well as grease trap and cooking oil containers)</p> <p>- A total waste storage area of 40.7 m2 has been allowed for in the back-of-house area of the café / restaurant.</p> <p>Back-of-house Animal Enclosures</p> <p>- Suitably sized buckets and receptacles will be provided for each separate back-of-house area for the collection of animal waste products on a daily basis (i.e. early morning prior to zoo public opening hours) and as required including manure, feed waste, bedding materials.</p>	<p>Interview:</p> <p>- Zoo (PT) stated that solar powered compacting bins installed at a total cost of \$1.5 million over 5 years were proven to be unfit for the zoo operations because the bins poses WHS issue as it becomes too heavy for staff to move. Furthermore, during quiet visitation the rubbish was degrading and causing odour. During high visitation the bins were filled before the bin actually compact the waste. New bins have been installed which were developed by Draffin in conjunction with Melbourne zoos and are better suited to the zoo environment.</p> <p>- Zoo (PT) stated that exhibit areas utilise 240 Litre bins which are then emptied daily into the 15 cubic metre bin for offsite disposal by Soilco in the morning when the bin is reaching capacity or needs to be emptied. With the use of 240L bins, there is no storage of waste for each animal exhibits. There is only one central waste storage area for the 15 cubic meter bin. Waste collector only come to site when the site is on operation as waste collector do not have access to site unless staff grant them access. Staff is on site from around 6.30AM to 5 PM.</p> <p>- Zoo staff confirmed the process of waste disposal and collection process that was described by PT.</p> <p>Observation:</p> <p>- Waste segregation was observed within the food areas, in the waste areas (adjacent to the office building) and in the vicinity of the back of the houses.</p>				
G210	WMP	6.8.2	Waste Storage Areas	<p>- Waste storage areas for each building will be conveniently located for servicing of the zoo and loading areas. At the end of each day, waste and recyclables from each building waste storage area must be transferred to the main waste and recycling storage area at the Services Yard.</p>	<p>Observation:</p> <p>- Adequate waste storage areas were observed around the zoo. Main waste storage area was observed adjacent to the administration building.</p>				
G211	WMP	6.9.1	General Waste Transfer Requirements	<p>- Arrangements will be in place so that the waste storage rooms are not accessible to the general public.</p> <p>- All doors will be openable from both inside and outside the waste storage areas and must be wide enough to allow for the easy passage of waste/recycling containers.</p> <p>- Step-free access between the waste storage rooms, the Service Yard and the waste collection point will be provided.</p> <p>- The gradient of the waste storage rooms and any associated access ramps will be sufficiently level so that access for the purpose of emptying containers can occur in accordance with WorkCover NSW Workplace Health and Safety requirements. The EPA's Better Practice Guide (2008) recommends that the bin transfer gradient should not exceed 1:30 for bins of greater than 360L capacity.</p> <p>- The transfer of waste and waste bins will be undertaken during off-peak visitation periods wherever possible and avoid conflicts with visitors along public pathways.</p> <p>- Waste from public areas and back-of-house animal enclosures around the zoo will be transferred by buggy or vehicle to the Services Yard.</p> <p>- Waste will be collected by private waste collection contractor from the Services Yard, and building loading dock areas as appropriate.</p>	<p>Observation:</p> <p>- The animal waste was kept in bins behind the back of houses, which are not accessible to public.</p> <p>- General waste from the food cafeteria was kept behind the cafeteria, which is inaccessible to public.</p> <p>- The main waste storage area is adjacent to the administration building, which is accessible to public.</p> <p>- No waste storage rooms were observed.</p> <p>Interview:</p> <p>- Zoo (PT) states that in 4.5 years of operation the zoo have not had waste bin area, located adjacent to the administration building, accessed by the general public.</p>	<p>Recommendation:</p> <p>Waste bins or storage area adjacent to the administration building should be kept inaccessible to public, e.g. through the use of locks or lockable gates.</p>			

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G212	WMP	6.9.2	Liquid Waste / Wastewater	<ul style="list-style-type: none"> - Any liquid wastes or dangerous goods wastes generated at the zoo (e.g. due to damage or leakage of containment) should be disposed of by a suitably qualified contractor to an appropriately licensed disposal facility. - Any wastewater storage tanks (including stormwater collection tanks) should be carefully monitored to ensure overflow does not occur. - No liquid wastes or wash down waters will be disposed of via the stormwater drainage system. - The physical removal of animal faeces from back of house enclosures will be undertaken prior to disinfecting and wash down of these areas and will occur at the commencement of keepers shifts between 7am and 9am. It is proposed that the blackwater generated by these cleaning activities will be discharged to the sewer in accordance with the relevant Trade Waste Agreement with Sydney Water. - Public amenities wastewater / sewage will be discharged to the sewer in accordance with the relevant Trade Waste Agreement with Sydney Water. 	<p>Record sighted:</p> <ul style="list-style-type: none"> - ALS analysis for Sydney Zoo Trade waste project samples in January, March, May, July, September and November 2023 shows Total Dissolved Solids above the standard concentration limits of 500 mg/L but below 10,000mg/L. <p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that there have been no other liquid waste disposed off-site other than the trade waste and dam has never overflow. 				
G213	WMP	6.9.4	Spills Management	<ul style="list-style-type: none"> - Fuel for chainsaw and vehicle operation will be stored in aboveground tanks at the Services Yard. - Containment measures for spillages should be provided at the Service Yard and also at appropriate locations in close proximity to staff car park areas and dangerous goods stores areas (e.g. a spill kit containing non-combustible absorbent material). Material Safety Data Sheets (MSDS) should also be located nearby spill kit areas for advice on spillage clean up and disposal. - Clean up facilities and spill kits specifically prepared for management of clinical and related wastes (i.e. cytotoxic wastes) will need to be provided in waste storage area dealing with these waste types. 	<p>Written advice:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that "No above ground fuel tanks were installed as the amount of fuel required does not justify it. Fuel is stored in 15 and 20 litre containers with no more than 90 litres on site." - Zoo provided a photograph showing spill kits are located near the garbage disposal area and the maintenance yard. <p>Record Sighted:</p> <ul style="list-style-type: none"> - Chemical Register PDF <p>Observation:</p> <ul style="list-style-type: none"> - During site walkaround, Geosyntec did not observe the presence of above ground fuel tanks. 	<p>Recommendation:</p> <p>The Waste Management Plan document should be reviewed to ensure relevancy.</p>			
G214	WMP	6.9.5	Medical / Clinical and Related Waste	<ul style="list-style-type: none"> - Disposal of wastewater, waste food and biological products including animal faeces and urine presents potential biosecurity risks. Waste products may need to be disinfected or transported off-site by an appropriately licenced contractor prior to disposal. - All animal waste products collected from back-of-house animal enclosures should be assessed for biosecurity risks before disposal or recycling / reuse. - Biosecurity cleaning procedures must be followed for any equipment/personnel that has come in contact with potentially cytotoxic waste. Associated washdown waters must be collected and either treated on-site or transported to an appropriately licenced facility for treatment/disposal. - Careful segregation of clinical and all related waste is required to protect personnel from injury and potential infection, and to ensure correct containment of waste in order to comply with the provisions of the POEO Act and associated Waste Regulation. - Waste pharmaceuticals, drugs and medicines and various waste chemicals, and cytotoxic wastes, identified by the EPA in Table 1 of their "Waste Tracking Fact Sheet – waste that must be tracked" must be tracked when transported within NSW or interstate, unless subject to certain exemptions. 	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that clinical waste is disposed off via professional clinical waste disposal companies. - Zoo (PT) stated the zoo is in the process of engaging a new waste removal company. This information is held by the previous contractor (Grasshopper). - Zoo (PT) stated that Grasshopper (waste collector) advised that the following disposal facilities are utilised - Brandown (Hi-Quality Group) EPL 12618 - Cleanaway at Lucas Heights EPL 12520 - iTreat EPL 20884 - Cleanaway - Kemps Creek EPL 4068 which takes some special waste such as tyre and asbestos. - Soilco EPL 21174. - Flick are used to dispose the clinical waste. Flick provided a copy of Med-X service docket for 14 & 27 June 2023, 11 & 25 July 2023, 12 & 27 December 2023, 1 May 2024. Med-X EPL 7434 specifically states "Waste storage - hazardous, restricted solid, liquid, clinical and related waste and asbestos waste". <p>Record provided by the zoo:</p> <ul style="list-style-type: none"> - PoEO(Waste) Regulation 1996. Notice of exemption granted under clause 16C Number 2001–E–01. Tracking of clinical and other specified wastes - New South Wales Government gazette No 156 (12 October 2001). - The Zoo and Grasshopper written advice/email states that a giraffe (22 June 2020) and an elephant (16 Feb 2022) carcasses were disposed at Cleanaway Lucas Heights EPL 12520. 	<p>This item is considered as non-compliant because clinical waste tracking documents could not be sighted., noting that tracking of clinical waste is required by the Protection of the Environment Operations (Waste) Regulation 2014. It is noted that a few Med-X service dockets for Flicks for clinical waste disposal were provided and the Zoo is in the process of changing waste contractor.</p> <p>Recommendation:</p> <p>The Zoo should ensure the new waste collector complies with the Environment Operations (Waste) Regulation 2014 and tracking document is recorded and filed.</p>			


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G215	WMP	6.9.6	Contaminated / Hazardous Wastes	<ul style="list-style-type: none"> - Fluorescent tubes and other light globes can be recycled via prepaid packs suitable for Australia Post to recycling facilities in Australia. - E-waste (electronic waste such as computers, mobile phones, printer toners and ink cartridges) and batteries contain heavy metal contaminants and should be recycled at an appropriately licensed recycling facility. - Commercial-use smoke detectors should be returned to the supplier for disposal (it is a condition of the supplier's licence to sell smoke detectors) and not disposed of with general landfill waste as they contain small amounts of radioactive material. Contact the supplier and/or the EPA or ARPANSA for information on how to return used smoke detectors. 	<p>Record sighted:</p> <ul style="list-style-type: none"> - SPC Ecycle Certificate of Recycling Cert NO. 20231122-8274 (22 November 2023). 				
G216	WMP	6.9.7	Collection Frequency	<p>- It is anticipated that daily collections will be organised for general waste and recycling generated at the site, while clinical waste will be collected as required. Where food waste and animal manure are required to be processed at an off-site facility, daily pickups will be arranged.</p>	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that exhibit areas utilise 240 Litre bins which are then emptied daily into the 15 cubic metre bin for offsite disposal by Soilco in the morning when the bin is reaching capacity or needs to be emptied. With the use of 240L bins, there is no storage of waste for each animal exhibits. There is only one central waste storage area for the 15 cubic meter bin. Waste collector only come to site when the site is on operation as waste collector do not have access to site unless staff grant them access. Staff is on site from around 6.30AM to 5 PM. - Zoo (PT) stated that Grasshopper (waste collector) advised that the following disposal facilities are utilised <ul style="list-style-type: none"> - Brandown (Hi-Quality Group) EPL 12618 - Cleanaway at Lucas Heights EPL 12520 - iTreat EPL 20884 - Cleanaway - Kemps Creek EPL 4068 which takes some special waste such as tyre and asbestos. - Soilco EPL 21174. - Flick are used to dispose the clinical waste. Flick provided a copy of Med-X service docket for 14 & 27 June 2023, 11 & 25 July 2023, 12 & 27 December 2023, 1 May 2024. Med-X EPL 7434 specifically states "Waste storage - hazardous, restricted solid, liquid, clinical and related waste and asbestos waste". <p>Record provided by the zoo:</p> <ul style="list-style-type: none"> - PoEO (Waste) Regulation. 1996. Notice of exemption granted under clause 16C Number 2001-E-01. Tracking of clinical and other specified wastes - The Zoo written advice states that a giraffe (22 June 2020) and an elephant (16 Feb 2022) carcasses were disposed at Cleanaway Lucas Heights EPL 12520. <p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) the zoo is in the process of engaging a new waste removal company. 				

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G217	WMP	6.9.9	Waste Collection Contractors	- Written evidence of a valid and current contract/s with licensed waste collector/s will be held at the premises. Medical waste or clinical and related wastes (i.e. sharps waste) and animal wastes must only be collected by appropriately licensed and EPA approved waste contractors. Liquid wastes / wastewater must only be collected by licensed waste contractors as approved by Sydney Water and the EPA.	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) the zoo is in the process of engaging a new waste removal company. This information is held by the previous contractor (Grasshopper). - No other liquid waste other than trade waste. <p>Record sighted:</p> <ul style="list-style-type: none"> - Managed Waste Services (February 2024) Waste Management Proposal. - Grasshopper monthly reporting which listed the following: <ul style="list-style-type: none"> - General waste, mixed/comingled recycles, plastic, and dry waste disposed to Cleanaway - Paper & Cardboard disposed to Grima Recycling - Organic waste disposed to Organic Recycling Group - Coffee Pods transported back to Nespresso - Drink bottles and cans disposed to Return and Earn - Special Waste with no specific final destination stated in the report. - NSW EPA Public register for EPL21442 for Grasshopper is for transport of trackable waste <p>Upon zoo enquiry, Grasshopper advised that the following facilities are utilised</p> <ul style="list-style-type: none"> - Brandown (Hi-Quality Group) EPL 12618 - Cleanaway at Lucas Heights EPL 12520 - iTreat EPL 20884 - Cleanaway - Kemps Creek EPL 4068 which takes some special waste such as tyre and asbestos. - Soilco EPL 21174. - Flick are used to dispose the clinical waste. Flick provided a copy of Med-X service docket for 14 & 27 June 2023, 11 & 25 July 2023, 12 & 27 December 2023, 1 May 2024. Med-X EPL 7434 specifically states "Waste storage - hazardous, restricted solid, liquid, clinical and related waste and asbestos waste". 				
G218	WMP	6.11	Communication Strategies and Signage	- Waste management initiatives and management measures should be clearly communicated to employees, contractors/subcontractors including cleaners, and the public.	<p>Record sighted:</p> <ul style="list-style-type: none"> - Induction material, which includes waste. 	Please see comment for G30. Some of the items listed includes waste.			
G219	WMP	6.12	Monitoring and Reporting	<ul style="list-style-type: none"> - Monthly waste tonnage reports should be reported for the site to track resource recovery performance and to demonstrate improvements in waste management and diversion from landfill over time. Monthly reports should include major waste streams including general waste, recycling, food waste, green waste, medical waste, and other recyclables. - Visual assessment of bins / compactors / other waste collection equipment utilised at the zoo prior to collection will be undertaken by Management within the first month of operations to ensure the Waste Management System is sufficient for the needs of the zoo. - It is recommended that compositional audits and/or visual assessments are undertaken on a halfyearly basis to ensure employees and visitors to the zoo are disposing of waste correctly and to track the zoo's environmental performance against recycling/resource recovery targets. Where audits show that recycling is not carried out effectively, additional employee training should be undertaken by Management, and waste management strategy and signage re-examined. - Records should be kept of all animal carcass disposals and cytotoxic waste movements. 	<p>Record sighted:</p> <ul style="list-style-type: none"> - Monthly GrassHopper Waste Report from July to December 2020, May to December 2021, January to December 2022, January to December 2023, January and February 2024. Waste recovery is above 60% from March 2023 to Feb 2024. In a randomly checked report, waste recovery is noted below 60% in May- Aug 2021, November 2022, January 2023, and February 2023 waste report. - The Zoo written advice states that a giraffe (22 June 2020) and an elephant (16 Feb 2022) carcasses were disposed at Cleanaway Lucas Heights EPL 12520, but disposal record could not be provided. 	<p>This item is considered as non-compliant because disposal records of animal carcasses could not be sighted.</p> <p>Recommendation: Disposal records for all waste (including animal carcasses) should be retained in file.</p>			

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G220	WMP	6.12.1	Trackable Wastes	<ul style="list-style-type: none"> - Clinical and related wastes will need to be tracked in accordance with EPA requirements, unless subject to certain exemptions. - A consignment authority (CA) is required for waste tracking purposes and subject to approval by the EPA. - A copy of each waste TC (transport certificate) must also be retained for a period of 4 years. 	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) the zoo is in the process of engaging a new waste removal company. This information is held by the previous contractor (Grasshopper). - No other liquid waste other than trade waste. <p>Record sighted:</p> <ul style="list-style-type: none"> - Managed Waste Services (February 2024) Waste Management Proposal. - NSW EPA Public register for EPL21442 for Grasshopper is for transport of trackable waste - Grasshopper monthly reporting which listed the following: <ul style="list-style-type: none"> - General waste, mixed/comingled recycles, plastic, and dry waste disposed to Cleanaway - Paper & Cardboard disposed to Grima Recycling - Organic waste disposed to Organic Recycling Group - Coffee Pods transported back to Nespresso - Drink bottles and cans disposed to Return and Earn - Special Waste with no specific final destination stated in the report. <p>Upon zoo enquiry, Grasshopper advised that the following facilities are utilised</p> <ul style="list-style-type: none"> - Brandown (Hi-Quality Group) EPL 12618 - Cleanaway at Lucas Heights EPL 12520 - iTreat EPL 20884 - Cleanaway - Kemps Creek EPL 4068 which takes some special waste such as tyre and asbestos. - Soilco EPL 21174. - Flick are used to dispose the clinical waste. Flick provided a copy of Med-X service docket for 14 & 27 June 2023, 11 & 25 July 2023, 12 & 27 December 2023, 1 May 2024. Med-X EPL 7434 specifically states "Waste storage - hazardous, restricted solid, liquid, clinical and related waste and asbestos waste". 	<p>This item is considered as non-compliant because clinical waste tracking documents, consignment authority, and waste transport certificate could not be sighted.</p> <p>It is noted that the Zoo is in the process of changing waste contractor.</p> <p>Recommendation: Consignment Authority and waste transport certificate must be retained for a period of 4 years. Waste collector must comply with the Environment Operations (Waste) Regulation 2014.</p>			
Biodiversity Management Plan and Cumberland Plain Woodland Management Plan (BMP and CPWMP)									
G221	BMP and CPWMP	Section 4.1	Zone 1: CPW - revegetate	<ul style="list-style-type: none"> - All weeds will require control, in particular exotic grasses and groundcovers. A minimum of two herbicide foliar sprays will be required, further information is provided in Appendix D. - Following successful weed control, the area will be mulched to a minimum depth of 100mm with native eucalyptus mulch, expected to be generated onsite. - Revegetation will be undertaken in the establishment phase using tubestock using CPW species as identified in Appendix C to achieve the densities identified in Table 5. - The zone will require ongoing maintenance to control weed regrowth from the soil seed bank for emerging and re-emerging weed species. Maintenance will be undertaken on a more regular basis in the peak growing seasons (spring and summer) than in cooler periods (autumn and winter). 	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that the zoo planted a lot of plants over the past 5 years. <p>Observation:</p> <ul style="list-style-type: none"> - Vegetation was in good condition. - No significant weeds were observed. 				
G222	BMP and CPWMP	Section 4.2	Zone 2: CPW - regenerate	<ul style="list-style-type: none"> - These areas will require weed control, which should be undertaken in manner that does not impact on the native groundcovers and allow for natural regeneration and revegetation, further information is provided in Appendix D. - Revegetation will be undertaken in the establishment phase using tubestock using CPW species as identified in Appendix C to achieve the densities identified in Table 5. - The zone will require ongoing maintenance to control weed regrowth from the soil seed bank for emerging and re-emerging weed species. 	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that the zoo planted a lot of plants over the past 5 years. <p>Observation:</p> <ul style="list-style-type: none"> - Vegetation was in good condition. - No significant weeds were observed. 				
G223	BMP and CPWMP	Section 4.3	Zone 3: RFEF - weed control	<ul style="list-style-type: none"> - These areas will require weed control, which should be undertaken in manner that does not impact on the native groundcovers and allow for natural regeneration and revegetation, further information is provided in Appendix D. - The zone will require ongoing maintenance to control weed regrowth from the soil seed bank for emerging and re-emerging weed species. 	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that the zoo planted a lot of plants over the past 5 years. <p>Observation:</p> <ul style="list-style-type: none"> - Vegetation was in good condition. - No significant weeds were observed. 				

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G224	BMP and CPWMP	Section 4.5	Pest control	<ul style="list-style-type: none"> - A rabbit control program for the site should be implemented based on identification and fumigation of rabbit warrens. This is to be undertaken in consultation with the Local Land Services (LLS). The site is to be constantly monitored for evidence of rabbit activity. Any damage by rabbits, primarily due to grazing young plants, will require rectification. 	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that the zoo has a monitoring and control program (via shooting) and all rabbits have been eradicated from the site. A video from the contractor can be sighted upon request. <p>Observation:</p> <ul style="list-style-type: none"> - No rabbits or other pests were observed. 				
G225	BMP and CPWMP	Section 5.3	Performance criteria - preliminary and establishment periods	<ul style="list-style-type: none"> - All construction and sediment fencing installed - Informational signage installed - 17 nest boxes installed into RFEF area - All tree felling and habitat retention completed under the supervision of an ecologist - Pest control management plan prepared in consultation with LLS, horses and rabbits excluded from revegetation and rehabilitation areas - Evidence submitted showing all seed and or plants required for revegetation has been collected or is being grown - Installation of all plants not including replacement plants to be undertaken by end of the establishment period. - To ensure species diversity, any one species of groundcover, being a herb, grass, sedge, or scrambler, should be no more than 5 percent than total number of groundcover plants - A minimum of 85% survival rate of all vegetation strata planted in each zone (e.g. tree, shrub and groundcover) - Any localised plant failure within planting areas are to be addressed with no area larger than 2 m x 2 metres without surviving plants at the end this period - To reduce bushfire risk, ensure plantings do not overhang any buildings, tree canopies are discontinuous, and shrubs are not positioned within 2 m of buildings, and implement appropriate hazard reduction program in consultation with Western Sydney Parklands and Cumberland Zone Rural Fire Service where woodland vegetation is within or above threshold (being an appropriate time period between bushfires to maintain ecological integrity). - All adult seeding noxious weed individuals to be controlled and no establishment of new noxious species. - All primary woody weed control undertaken. 	<p>Observation:</p> <ul style="list-style-type: none"> - Nest boxes were still present. - No pest was observed. - Vegetation was in good condition. <p>Record sighted:</p> <ul style="list-style-type: none"> - Zoo supplied photographic evidence of 17 nestboxes. <p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that the zoo has a monitoring and control program (via shooting) and all rabbits have been eradicated from the site. A video from the contractor can be sighted upon request. - Plantings were not observed to overhang on buildings. <p>Reviewed in the previous audit:</p> <ul style="list-style-type: none"> - Toolijooa (November 2019) Sydney Zoo Environmental Monitoring report. - Mitigar (November 2019) Sydney Zoo Native Vegetation Rehabilitation Final report. 				
G226	BMP and CPWMP	Section 5.3	Performance criteria - maintenance	<ul style="list-style-type: none"> - Commencement or completion of all tasks outlined in the BMP - An increase in native cover and diversity and a decrease in exotic cover and diversity by the end of the maintenance period - At the end of each year, a minimum of 85% survival rate of all vegetation strata planted in each zone (e.g. tree, shrub and groundcover) - Any localised plant failure within planting areas are addressed with no area larger than 2 m x 2 metres without surviving plants at the end of each year; - Maintenance replanting is to replace plants by the same species, or where that species is not available, with the same growth form (i.e. tree for tree etc.) and must not decrease species diversity. Any new species to be planted must be from the community being emulated and of local provenance; - Monitoring and reporting undertaken in accordance with Section 6. - Noxious plants to be less than 2%, not allowed to set seed and no establishment of new noxious species - Native vegetation cover no less than 30% of each zone - Exotic vegetation no more than 30% of each zone. 	<p>Observation:</p> <ul style="list-style-type: none"> - Nest boxes were still present. - No pest was observed. - Vegetation was in good condition. <p>Record sighted:</p> <ul style="list-style-type: none"> - Zoo supplied photographic evidence of 17 nestboxes. <p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that the zoo has a monitoring and control program (via shooting) and all rabbits have been eradicated from the site. A video from the contractor can be sighted upon request. - Plantings were not observed to overhang on buildings. <p>Reviewed in the previous audit:</p> <ul style="list-style-type: none"> - Toolijooa (November 2019) Sydney Zoo Environmental Monitoring report. - Mitigar (November 2019) Sydney Zoo Native Vegetation Rehabilitation Final report. 				

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G227	BMP and CPWMP	6	Monitoring, reporting and review	<p>Monitoring will be undertaken at the following intervals:</p> <ul style="list-style-type: none"> - At the beginning (baseline) and end of the establishment period - Annually every year during the maintenance period until the completion of management works <p>The ER will undertake monitoring and provide monitoring reports and assessments against the performance criteria, with the Bush Regeneration contractor to provide progress reports describing works undertaken.</p> <p>Progress reports are to be provided to the ER for inclusion within the monitoring reports. Progress reports are to be provided at each monitoring reporting period.</p> <p>Blacktown Council have requested that they be forwarded annual monitoring reports</p> <p>At the conclusion of the five years of maintenance, a new management plan will be required to update this plan. This should be prepared by a suitably qualified restoration ecologist. The site is to be managed in perpetuity and management plans should be renewed every five years.</p>	<p>Interview:</p> <ul style="list-style-type: none"> - Zoo (PT) stated that they conducted bush trimming previously but was advised by Council to stop. - Zoo (PT) stated that WSPT (Western Sydney Parklands Trusts) advised that they wanted to take over the care of the subject site and this is an ongoing process. Zoo request that this recommendation be removed. <p>Record sighted:</p> <ul style="list-style-type: none"> - The Western Sydney Parklands Trusts (WSPT) email (24 February 2022) states that WSPT to undertake bushland management throughout the Bushland Area 	<p>This item is considered non-compliant as the monitoring report required by the Biodiversity Management Plan and Cumberland Plain Woodland Management Plan has not been conducted. However, it is noted a correspondence by Western Sydney Parklands Trusts was sighted that confirms that the WSPT would take over the bushland management.</p> <p>Recommendation: An Updated Biodiversity Management Plan and Cumberland Plain Woodland Management Plan should be prepared, which provides an updated management requirements and the responsibilities for Sydney Zoo and the WSPT.</p>			
Aboriginal cultural experience strategy (ACES)									
G228	ACES	Summary of Aboriginal cultural experience commitments	Summary of Aboriginal cultural experience commitments	<ul style="list-style-type: none"> • Muru Mittigar will establish an Aboriginal Advisory Group for Sydney Zoo. This group will provide Muru Mittigar and Sydney Zoo with expert advice on the Darug Cultural Experience, cultural tourism, Aboriginal pre-employment, traineeship and employment opportunities • The Darug Cultural Experience will be developed by Muru Mittigar to guide and direct the visitor experience at Sydney Zoo. • Signage and graphical interpretation will be developed by Muru Mittigar in partnership with recognised Darug and other Aboriginal artists from Western Sydney. • Darug and other Aboriginal stories and information will be imparted to a range of visitors (including school age, overseas, and local) • Muru Mittigar in partnership with Western Sydney Institute of TAFE will establish a pre-employment program that will support Aboriginal job seekers to be both job ready, and aware of culture and mainstream job opportunities at Sydney Zoo • Muru Mittigar will establish a paid traineeship program for culture based work development at Sydney Zoo. This program will utilise Certificate III courses in Tour Guiding, Indigenous Land Management and Facilitation and Coordination • Muru Mittigar will employ full time Cultural Educators and other Culture contractors at Sydney Zoo to deliver the Darug Cultural Experience and other culture based content at Sydney Zoo. All employment and contracting will be open and merit based • Sydney Zoo also undertakes to employ qualified Aboriginal people in mainstream based positions utilising the Muru Mittigar/WSI TAFE pre employment program • Under the Darug Cultural Experience, Muru Mittigar will develop and then deliver an interactive cultural education program for a range of visitors at Sydney Zoo. 	<p>Observation:</p> <ul style="list-style-type: none"> - Heritage interpretive information observed near the entrance of the zoo is in a good condition. <p>Written advice:</p> <ul style="list-style-type: none"> - Zoo (PT) states that "the relationship with Muru Mittigar has been terminated as they were unable to continue to provide the required service of employing on our behalf and we now employ for our targeted roles directly. . In relation to traineeships, this was terminated with the contract with Muru Mittigar, however, Sydney Zoo offers traineeships under our partnership with WSU. WSU also provides a program where up to 400 students come to Sydney Zoo for an immersive aboriginal cultural program." <p>Record Sighted:</p> <ul style="list-style-type: none"> - Darug Cultural or Educational Experience at the site (website access on 17 May 2024: https://sydneyzoo.com/education/excursion-early-childhood/) - Zoo (PT) stated that the zoo has a "tick box" for employees to indicate whether they are indigenous, however, that "tick box" is not compulsory for staff to check. As a result it, is difficult to know what level of positions are filled by people who identify as indigenous across all departments. However, the Zoo's estimation was that they did not have 20-30 staff who would identify as indigenous. Sydney Zoo has 8 targeted aboriginal rangers employed at Sydney Zoo – these Rangers deliver educational programs to all Sydney Zoo visitors – International Markets, Schools etc. <p>Record Sighted:</p> <ul style="list-style-type: none"> - Aboriginal Cultural Programs Strategy. The strategy reviewed the 2022 year and set new strategies for 2023. 	<p>This condition is considered non-compliant because a few items that need to be completed by Muru Mittigar could not be completed as Muru Mittigar were terminated because they were unable to continue to provide the required service of employing staff on zoo behalf.</p> <p>Recommendation: The Aboriginal Cultural Experience Strategy should be reviewed to confirm the updated strategy and any revision must be submitted to the Planning Secretary.</p>			

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Heritage Interpretation Plan (HIP)									
G229	HIP	4.4.1	Interpretive Panel or Feature	<p>An interpretive panel or feature placed at the entrance area (suggested location) of the Sydney Zoo facility would provide a vehicle for acknowledging the non-Aboriginal heritage of the site. Suggested content and images are provided in section 4.4.1. Additionally, the proponent is working with Muru Mittigar to develop a Welcome to Country component and an Aboriginal artwork, as key interpretive features at the entrance of the site.</p> 	<p>Observation: - Heritage interpretation plan observed near the entrance of the zoo.</p>				
G230	HIP	4.4.2	Naming Roadways/Elements On-site	<p>Naming roads/elements that acknowledge the site's European heritage is not recommended for the Sydney Zoo site. However, it is recommended that consideration should be given to using local Aboriginal words to name internal roads, elements and facilities at the Sydney Zoo site. This would require further discussion concerning appropriateness with RAPs, and could be considered as part of the overall Aboriginal Cultural Experience to be developed in collaboration with Muru Mittigar and RAPs (Condition 21).</p>	<p>Interview: - Zoo (PT) stated that none of the roads or elements have been named.</p>				

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