

Modification of Development Consent

Section 4.55(1A) of the *Environmental Planning and Assessment Act 1979*

As delegate of the Minister for Planning and Public Spaces, under delegation executed on 9 March 2022, I approve the modification of the development consent referred to in Schedule 1, subject to the conditions in Schedule 2.



Catriona Shirley
A/Team Leader
Industry Assessments

Sydney

16 October 2025

SCHEDULE 1

Development consent:	SSD 7228 granted by the then Planning Assessment Commission on 8 September 2017
For the following:	Construction and operation of a zoological facility within the Western Sydney Parklands
	Modification 13
Modification Application	SSD-7228-Mod-13
	Construction and operation of a multipurpose building and an increase in the maximum number of patrons permitted to attend evening events at the site
Applicant:	Sydney Zoo Pty Ltd
Consent Authority:	Minister for Planning and Public Spaces
The Land:	Lot 11 in Lot 101 DP 1195067

SCHEDULE 2

This consent is modified as follows:

In the Definitions

1. Insert the following definition in alphabetical order:

MOD 13 The development as described in the modification application SSD-7228-Mod-13, the supporting documentation submitted with SSD-7228-Mod-13, the conditions of this consent and Appendix A of this consent

In Schedule B: Administrative Conditions

2. In condition B2:
 - a. Delete the word 'and' at the end of clause (l) and the full stop at the end of clause (m)
 - b. Insert a semi-colon and the word 'and' at the end of clause (m)
 - c. Inset new clause (n) immediately after clause (m) as follows:

'(n) the modification application SSD 7228 MOD 13 and supporting documentation.'
3. In condition B10D:
 - a. delete the number "350" and replace with "500".
4. Insert Condition C11A immediately after Condition C11 as follows:

Drainage and Reuse

C11A. Prior to commencement of construction of works approved under MOD 13, the Applicant must engage an experienced chartered hydraulic engineer to prepare a detailed Non-Potable Water Supply and Irrigation Plan for the multi-purpose building known as the 'Lion Deck Lodge'. The Plan must be prepared in consultation with Council and submitted with the application for a construction certificate for the works approved under MOD 13.

In Appendix B:

5. Delete existing 'Applicant's Management and Mitigation Measures' table and replace with updated 'Applicant's Management and Mitigation Measures' table as follows.

Table 1 – Summary of site specific environmental safeguards and management measures

Impact	Environmental safeguards	Responsibility	Timing
General			
General	Environmental awareness training must be provided, by the contractor, to all field personnel and subcontractors.	Contractor	Pre-construction and during construction as required.
Air and Odour			
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 	Construction contractor	Construction
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 	Construction contractor	Construction
Air quality emissions through loading and transport of materials	Waste and material loads leaving the subject site are to be covered at all times	Construction contractor	Construction
Air quality emissions	Any material deposited on the road network due to truck movements to and from the site would be either prevented or cleaned up immediately.	Construction contractor	Construction
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 complaints register which captures all complaints from patrons and off-site receptors 	Sydney Zoo	Operation
Noise			
The potential for exceedance of the NMLs across the proposal footprint	<p>Prepare a construction noise and vibration management plan (CNVMP). It would be a sub-plan of the CEMP. As a minimum, the plan would:</p> <ul style="list-style-type: none"> • Map the sensitive receiver locations including residential properties 	Construction contractor	Pre-construction

- 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.
- 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.*

The potential for exceedance of the NMLs across the proposal footprint	Locate fixed plant as far from residences as possible and behind site structures.	Construction contractors	Construction
Construction noise impacts	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. 	Construction contractor	Construction
Construction noise impacts	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.	Construction contractor / Sydney Zoo	Pre-construction/ construction
Construction noise impacts	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.	Construction contractor / Sydney Zoo	Construction
Multi-purpose building noise impacts	External doors to the Multi-Purpose Building are to be closed after 10pm when amplified music is being played.	Sydney Zoo	Operation

Traffic, parking and access

Construction traffic impacts	<p>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:</p> <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 	Construction contractor	Pre-construction/ Construction
Operational 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) • 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 	Sydney Zoo	Operation

Initial opening traffic impacts	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.	Sydney Zoo	Operation
Water, drainage and stormwater			
Sediment-laden run off and associated water quality impacts management	<p>Prepare a Soil and Water Management Plan as part of the CEMP and address the following:</p> <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) <p>Detail the following as a minimum:</p> <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. 	Construction contractor	Pre-construction/ construction
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. 	Construction contractor	Construction
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) 	Designer	Detailed design
Accidental spillage and associated water quality impacts	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.	Construction contractor	Construction

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. 	Construction contractor	Construction
Machinery maintenance checks	Machinery would be checked daily to ensure there is no oil, fuel or other liquids leaking from the machinery.	Construction contractor	Construction
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. 	Construction contractor	Construction

Aboriginal heritage

Potential heritage and archaeological impacts - general	<p>Develop an Aboriginal Cultural Heritage Assessment Report (ACHAR). It would be within the CEMP. As a minimum, the plan would:</p> <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 	Construction contractor	Pre-construction
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 	Construction contractor	Construction
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 <i>Heritage Act 1977</i> 	Construction contractor	Construction
Human remains discovery across the site	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.	Construction contractor	Construction

Non-Aboriginal heritage

Potential heritage and archaeological impacts - general	<p>Develop a non-Aboriginal heritage management plan (NAHMP). It would be a sub-plan of the CEMP. As a minimum, the plan would:</p> <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 	Construction contractor	Pre-construction
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 	Construction contractor	Construction
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 <i>Heritage Act 1977</i> 	Construction contractor	Construction
Human remains discovery across the site	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 OEHL environment line and the OEHL anthropologist.	Construction contractor	Construction
Waste management			
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).	Construction contractor	Construction / Operation
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.	Construction contractor	Construction / Operation
Waste disposal during construction across the proposal	Send all disposed materials to a suitably licenced waste management/landfill facility.	Construction contractor	Construction / Operation

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.	Construction contractor	Construction / Operation
Littering and site tidiness during construction across the proposal footprint	Monitor for waste accumulation, littering and general tidiness during routine site inspections.	Construction contractor	Construction / Operation
Resource recovery during construction across the proposal	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. 	Construction contractor	Construction / Operation
Reducing primary resource demand during construction across the proposal	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).	Construction contractor	Construction / Operation

Landscape character and visual impact

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 	Construction contractor	Construction
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 	Construction contractor	Construction
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 	Construction contractor/ Sydney Zoo	Detailed design/ Pre-construction

Vegetation and biodiversity

Biodiversity management across the entire proposal footprint	<p>Prepare a biodiversity management plan (BMP) as a sub-plan of the CEMP. As a minimum, the plan would:</p> <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. 	Construction contractor	Pre-construction
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. 	Construction contractor	Construction
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. 	Construction contractor	Construction
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. 	Construction contractor	Construction
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. <p><i>The ecologist would assess the species and then release them to the nearest suitable habitat if uninjured.</i></p>	Construction contractor Sydney Zoo	Construction
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 <p>If construction lighting is required at night direct light beams away from vegetative areas to protect microbats.</p>	Construction contractor	Construction
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. 	Construction contractor Sydney Zoo	Construction

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. 	Sydney Zoo	Operation
Bushfire			
Bushfire management - general	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.	Sydney Zoo	Operation
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. 	Sydney Zoo	Operation
Operational Bushfire Management Plan	Prepare a Bushfire Emergency Management Plan outlining evacuation routes, firefighting protocols and hydrant locations.	Sydney Zoo	Operation
Hazards and risk			
Construction hazard and risk management across the proposal	<p>Prepare a hazard and risk management plan (HRMP) as a sub-plan of the CEMP. As a minimum, the plan would:</p> <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. 	Construction contractor	Pre-construction
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. 	Construction contractor	Construction
Workforce and public safety during construction across the proposal	Fence off and secure the site to prevent public access.	Construction contractor	Construction
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. 	Construction contractor	Construction
Workforce and public safety during construction across the proposal	Inspect the entry connection into the Parkland Access Road ahead of any required demobilisation to ensure there are no road-user or pedestrian hazards.	Construction contractor	Construction

Hazardous material and dangerous goods transportation to the construction site during construction	Handle and use dangerous goods and hazardous materials in accordance with: the NSW <i>Occupational Health and Safety Act 2000</i> ; 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).	Construction contractor	Construction
Utility or services strike across the proposal during construction	Undertake detailed utility surveys as part of the detailed design along with utility-provider consultation.	Construction contractor Sydney Zoo	Construction
Utility or services strike across the proposal during construction	Prepare and work to a utility and services plan. No work would take place outside of this plan without additional consultation and utility searches.	Construction contractor	Construction
Hazardous material and dangerous goods transportation and storage across the site during operation	Handle, store and use dangerous goods and hazardous materials in accordance with: the NSW <i>Occupational Health and Safety Act 2000</i> ; 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).	Sydney Zoo	Operation
Hazardous material and dangerous goods storage during operation	Hazardous materials and dangerous goods will be store within a bunded and secure storage facility on-site.	Sydney Zoo	Operation
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,	Sydney Zoo	Detailed design/Operation
Ecologically sustainable development			
Energy efficiency measures during operation	<ul style="list-style-type: none"> Investigate opportunities for alternate energy provision after an initial review period of operation 	Sydney Zoo	Operation
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 	Sydney Zoo	Detailed design
Water usage	<ul style="list-style-type: none"> Implement water efficient fittings and fixtures into building design 	Sydney Zoo	Detailed design
Transport during operation	<ul style="list-style-type: none"> Promote the use of public transport for patrons and staff Prepare an OTMP as outlined in Section 6.3.3 	Sydney Zoo	Operation
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 	Construction contractor	Construction

	<ul style="list-style-type: none"> • 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. 		
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. 	Sydney Zoo	Operation

**End of modification
(SSD-7228-Mod-13)**