

# Planning Secretary's Environmental Assessment Requirements

Section 4.12(8) of the *Environmental Planning and Assessment Act 1979*  
 Schedule 2 of the *Environmental Planning and Assessment Regulation 2000*

<b>Application Number</b>	SSD-8477614
<b>Project Name</b>	Eastern Creek Energy from Waste Facility
<b>Location</b>	Honeycomb Drive, Eastern Creek
<b>Applicant</b>	The Next Generation (NSW) Pty Ltd
<b>Date of Issue</b>	12 August 2020
<b>General Requirements</b>	<p>The Environmental Impact Statement (EIS) must be prepared in accordance with, and meet the minimum requirements of, clauses 6 and 7 of Schedule 2 of the <i>Environmental Planning and Assessment Regulation 2000</i> (the EP&amp;A Regulation).</p> <p>In addition, the EIS must include a:</p> <ul style="list-style-type: none"> <li>- detailed description of the site including any existing or approved operations, site history, development consents and current court cases</li> <li>- details of how the proposal relates to and differs from the previous proposal by The Next Generation for an energy from waste facility on the site which was refused by the Independent Planning Commission in July 2018, including consideration of the 'Independent Planning Statement of Reasons Eastern Creek Energy from Waste Facility (SSD 6236)'</li> <li>- detailed description of the development, including:             <ul style="list-style-type: none"> <li>o need for the proposed development</li> <li>o alternatives considered</li> <li>o justification for the proposed development</li> <li>o likely staging of the development - including demolition, construction, and operational stage/s</li> <li>o likely interactions between the development and existing, approved and proposed operations in the vicinity of the site</li> <li>o plans of any proposed building works</li> <li>o contributions required to offset the proposal</li> </ul> </li> <li>- consideration of all relevant environmental planning instruments and the permissibility of the proposal, including identification and justification of any inconsistencies with these instruments</li> <li>- consideration of issues identified in <b>Attachment 2</b> (public authority responses to key issues)</li> <li>- risk assessment of the potential environmental impacts of the development, identifying the key issues for further assessment</li> <li>- detailed assessment of the key issues specified below, and any other significant issues identified in this risk assessment, which includes:             <ul style="list-style-type: none"> <li>o a description of the existing environment, using sufficient baseline data</li> <li>o an assessment of the potential impacts of all stages of the development, including any cumulative impacts of the proposed facility with any approved (but not yet constructed) developments and the proposed Western Sydney Energy and Resource Recovery Centre (SSD-10395)</li> <li>o a description of the measures that would be implemented to avoid, minimise and if necessary, offset the potential impacts of the development, including proposals for adaptive management and/or contingency plans to manage any significant risks to the environment</li> <li>o a consolidated summary of all the proposed environmental management and</li> </ul> </li> </ul>

	<p>monitoring measures, highlighting commitments included in the EIS</p> <ul style="list-style-type: none"> <li>- consideration of the likely impacts of any related development associated with the development, including any pre-processing infrastructure, ash management infrastructure and the high voltage electricity connection</li> <li>- a commitment to industry best practice and ongoing environmental improvement.</li> </ul> <p>The EIS must also be accompanied by a report from a qualified quantity surveyor providing:</p> <ul style="list-style-type: none"> <li>- a detailed calculation of the capital investment value (CIV) (as defined in clause 3 of the EP&amp;A Regulation) of the proposal, including details of all assumptions and components from which the CIV calculation is derived. The report shall be prepared on company letterhead and indicate applicable GST component of the CIV</li> <li>- an estimate of jobs that will be created during the construction and operational phases of the proposed development</li> <li>- certification that the information provided is accurate at the date of preparation.</li> </ul>
<p><b>Key issues</b></p>	<p>The EIS must address the following specific matters:</p> <ol style="list-style-type: none"> <li><b>1. Community and Stakeholder Engagement</b> – including: <ul style="list-style-type: none"> <li>- a detailed community and stakeholder participation strategy which identifies who in the community has been consulted and a justification for their selection, other stakeholders consulted and the form(s) of the consultation, including justification for the approach</li> <li>- a description of the form of engagement activities undertaken, including details of how the Applicant has engaged in a genuine dialogue with the community</li> <li>- a report on the results of the implementation of the strategy including issues raised by the community and the surrounding occupiers and landowners that may be impacted by the proposal</li> <li>- details of how issues raised during community and stakeholder consultation have been addressed and whether they have resulted in changes to the proposal</li> <li>- details of the proposed approach to future community and stakeholder engagement based on the results of the consultation</li> <li>- details of how monitoring data will be communicated and made publicly accessible to the community</li> <li>- a commitment to the establishment of a Community Liaison Group comprised of key local stakeholders.</li> </ul> </li> <li><b>2. Suitability of the Site</b> – including: <ul style="list-style-type: none"> <li>- an assessment of the need and justification for the development having regard to its location and impacts, the suitability of the site and the public interest</li> <li>- demonstration of the compatibility of the proposed use with surrounding land uses.</li> </ul> </li> <li><b>3. Statutory and Strategic Context</b> – including: <ul style="list-style-type: none"> <li>- demonstration the proposal is generally consistent with all relevant planning strategies, environmental planning instruments, district plans and justification for any inconsistencies</li> <li>- addressing the statutory provisions applying to the development contained in all relevant environmental planning instruments, including: <ul style="list-style-type: none"> <li>o State Environmental Planning Policy No. 33 – Hazardous and Offensive Development</li> <li>o State Environmental Planning Policy No.55 – Remediation of Land</li> <li>o State Environmental Planning Policy No.64 – Advertising and Signage</li> <li>o State Environmental Planning Policy (Infrastructure) 2007</li> <li>o State Environmental Planning Policy (State and Regional Development) 2011</li> <li>o State Environmental Planning Policy (Vegetation in Non-Rural Areas) 2017</li> <li>o State Environmental Planning Policy (Western Sydney Employment Area) 2009 (including WSEA SEPP Amendment 2020)</li> </ul> </li> </ul> </li> </ol>

- o Blacktown Local Environmental Plan 2012
  - consideration of the Western Sydney Aerotropolis Discussion Paper on the Proposed State Environmental Planning Policy (2019).
- 4. Key Policies** - including
- addressing the relevant provisions in, and consistency with, the following State and international waste legislation and policy:
    - o NSW Energy from Waste Policy Statement (EPA 2015)
    - o NSW Protection of the Environment Operations (Waste) Regulations 2014
    - o NSW Waste Avoidance and Resource Recovery Strategy 2014-2021
    - o NSW Waste Classification Guidelines
    - o NSW Waste Levy Guidelines (EPA 2018)
    - o European IPPC Bureau 'Industrial Emissions Directive' and BAT (Best Available Techniques) Reference Document (BREF) BREF 2019.
- 5. Air Quality and Odour** – including:
- a quantitative assessment of the potential air quality, dust and odour impacts of all stages of the development (construction and operation) on surrounding landowners, businesses and sensitive receptors, in accordance with the relevant Environment Protection Authority guidelines, including 'worst case' emission scenarios (including a trip or emergency shutdown)
  - a description of all potential air emissions and odours and their sources, including construction, operational, transport sources and dust generation
  - details of the receiving environment, including meteorology and climate, topography, surrounding land use, sensitive receptors and ambient air quality
  - justification for the level of assessment undertaken on the basis of risk factors, including but not limited to the proposal location, characteristics of the receiving environment and the type and quantity of the pollutants emitted
  - details of the proposed technology and a demonstration that it is technically fit for-purpose, including details of commissioning and proof of performance
  - details of emission control techniques and practices, including emission sampling and monitoring, that will be employed, and benchmark these against best practice emission control and management, with reference to the European IPPC Bureau 'Industrial Emissions Directive', BAT (Best Available Techniques) Reference Document (BREF) BREF 2019 and the Environment Protection Authority's 'NSW Energy from Waste Policy' (2015)
  - demonstrate a commitment to continual improvement with respect to emission control techniques and practices
  - an assessment of cumulative air quality impacts associated with the facility and surrounding developments, including any approved (but not yet constructed) developments and the proposed Western Sydney Energy and Resource Recovery Centre (SSD-10395)
  - details of all proposed air quality and odour management, mitigation and monitoring measures.
- 6. Human Health Risk** – including:
- a quantitative human health risk assessment in accordance with the 'Environmental Health Risk Assessment: Guidelines for assessing human health risks from environmental hazards' (enHealth, 2012) covering the inhalation of criteria pollutants and exposure (from all pathways, i.e. inhalation, ingestion and dermal) to specific air toxics, including impacts from the transport of waste material
  - consideration of the impacts on drinking water sources such as Prospect Reservoir and rainwater tanks, including the impacts on water quality and human health
  - consideration of the potential health related impacts caused by the incineration of per- and polyfluoroalkyl substances (PFAS) which may be present within the proposed waste fuel, including an assessment of the potential for intake via drinking

water and food consumption.

**7. Waste Management** – including:

- details and a description of the sources, classes, quantities and composition of waste streams that would be thermally treated at the facility
- justification for the use of garden organics, paper pulp and municipal waste organic outputs (MWOO) at the proposed facility
- detailed comparison of the proposed plant design, treatment technology and waste feedstock with the selected reference facility(ies)
- details of the processing capacity of the facility including typical, maximal and minimal rates of processing
- demonstration that waste used as a feedstock in the facility would be the residual from a resource recovery process that maximises the recovery of material in accordance with Environment Protection Authority guidelines and 'NSW Energy from Waste Policy Statement' (2015)
- a detailed description of waste processing procedures for each waste type received, including the types of pollution which may result from the storage and processing of that waste, mitigation measures for managing any such impacts, how inappropriate materials will be excluded from the waste stream and contingency measures that would be implemented if inappropriate materials are identified
- details on the location and size of stockpiles of unprocessed and processed recycled waste at the site
- details of the maximum annual throughput of waste and the maximum volume of waste to be stored at the premises at any one time
- details of how the EPA's record keeping and reporting requirements will be met
- a list and description, including quantities, composition and classification of waste material produced (solid, liquid and gaseous) from the facility, including details of proposed management and disposal of those waste materials
- demonstration that any waste material produced from the energy from waste facility for land application is fit-for-purpose and poses minimal risk of harm to the environment in order to meet the requirements for consideration of a resource recovery exemption by the Environment Protection Authority
- describe how waste would be treated, stored, used, disposed and handled on site, and transported to and from the site, and the potential impacts associated with these issues, including current and future offsite waste disposal methods
- identify the measures that would be implemented to ensure that the development is consistent with the aims, objectives and guidance in the NSW Waste Avoidance and Resource Recovery Strategy 2014 – 2021
- detailed description of the proposed immobilisation process for the flue gas residues, which immobilisation approval intended to be used (general or specific) and how the process will comply with legislated requirements.

**8. Social** – including:

- a social impact assessment, which:
  - o identifies and analyses the potential social impacts of the development, from the points of view of the affected community/ies and other relevant stakeholders
  - o assesses the significance of positive, negative, and cumulative social impacts considering likelihood, extent, duration, severity / scale, sensitivity / importance, and level of concern/interest
  - o includes mitigation measures for likely negative social impacts, and any proposed enhancement measures
  - o details how social impacts will be adaptively monitored and managed over time
  - o details community benefits of the facility.

**9. Traffic and Transport** – including:

- a quantitative traffic impact assessment prepared in accordance with relevant

- Transport for NSW guidelines that assesses construction and operational traffic daily and peak traffic movements likely to be generated by the proposed development during construction and operation
- an assessment of cumulative traffic impacts at the key intersections of Wonderland Drive / Wallgrove Road, M4 Motorway / Wallgrove Road and M7 Motorway / Great Western Highway / Wallgrove Road, using SIDRA or similar traffic model and the need (and associated funding) for any road improvement works
- details of the proposed site access / egress and parking provisions, including compliance with the requirements of the relevant Australian Standards (i.e. turn paths, sight distance requirements, aisle widths, etc.)
- detailed plans of the proposed layout of the internal road network, heavy and light vehicle traffic movements
- identification of the truck routes between waste source locations and the site for fuel deliveries, and between the site and potential waste disposal sites for waste fuel products
- details of the types of material being transported and whether the material would be classified as dangerous goods under the Australian Dangerous Goods Code
- a draft construction traffic management plan
- an assessment of the accessibility of the development by public and active transport, including details of measures to prevent detrimental impacts on any bike and active transport routes in the vicinity of the site, the potential for implementing a location-specific sustainable travel plan.

**10. Soils and Water** – including:

- a description of existing baseline conditions for soil, water, groundwater resources, topography, hydrology, drainage lines, watercourses and riparian lands on or nearby to the site
- an assessment of impacts on surface and groundwater sources (both quality and quantity), related infrastructure, watercourses and riparian land and measures proposed to reduce and mitigate these impacts
- details of any groundwater extraction and any works with the potential to intercept the groundwater table
- proposed surface and groundwater monitoring activities and methodologies
- a stormwater management strategy that provides details of stormwater and wastewater management systems including the capacity of onsite detention systems, details of water sensitive urban design measures, discharge locations, and measures to treat, reuse or dispose of water
- a detailed site water balance, including identification of water requirements for the proposal, confirmation of an adequate and secure water supply and a detailed description of the measures to minimise water use at the site
- a flood impact assessment, including an assessment of overland flow paths and flood risk associated with the development both on and off the site
- details of construction works and spoil disposal, including a description of erosion and sediment controls, bulk earthworks, the management of acid sulfate soils and contingency plans for potential construction incidents
- characterisation of the nature and extent of any contamination on the site and a description of proposed management measures in accordance with SEPP 55.

**11. Noise and Vibration** – including:

- a quantitative assessment of potential construction, operational and transport noise and vibration impacts, including impacts on nearby sensitive receivers, landowners and businesses, in accordance with relevant Environment Protection Authority guidelines
- details and justification of the proposed noise management, mitigation and monitoring measures.

**12. Hazard and Risk** – including:

- a Preliminary Hazard Analysis (PHA) prepared in accordance with the Department's Hazardous Industry Planning Advisory Paper No. 6, 'Hazard Analysis' and Multi-Level Risk Assessment (DoP 2011) with details of fire / emergency measures and procedures, including consideration of relevant Fire and Rescue NSW guidelines
- detailed contingency measures for any potential incidents or equipment failure during the operation of the facility or in the event of a shutdown.

**13. Visual** – including:

- a landscape character and visual impact assessment that includes a description of the visual catchment and considers the potential visual impacts of the development on the amenity of the surrounding area particularly from nearby public receivers and significant vantage points of the broader public domain
- consideration of the proposed building height, stack height, bulk and scale, signage, lighting and the emissions plume within the context of the locality
- details of architectural design measures to ensure a high-quality design
- justification for the positioning and height of the stack, including consideration of options for stack design and height
- details of materials and finishes and all proposed mitigation measures
- a detailed photomontage analysis of the visual impacts of the development and emission stack
- details of landscape works that will complement and screen the development showing the use of high-quality landscaping material
- consideration of the use of green walls, green roof or cool roof design having regard to the 'Urban Green Cover in NSW Technical Guidelines' (OEH 2015).

**14. Aircraft Safety** – including:

- a plume rise assessment prepared in accordance with relevant Civil Aviation Safety Authority guidelines
- an airspace operations assessment that considers the National Airport Safeguarding Framework guidelines and the proposal's potential impacts on the Western Sydney Airport, including any potential cumulative impacts of the proposal with other nearby facilities.

**15. Greenhouse Gas and Energy Efficiency** – including:

- a quantitative analysis of potential Scope 1, 2 and 3 greenhouse gas emissions from the development and an assessment of potential impacts on the environment in accordance with relevant guidelines
- a description of construction and operational control measures to be implemented to ensure the development is energy efficient and minimises greenhouse gas generation.

**16. Heritage** – including:

- an Aboriginal cultural heritage assessment report (ACHAR) prepared in accordance with the 'Guide to investigation, assessing and reporting on Aboriginal Cultural Heritage in NSW' (DECCW 2011)
- consultation with Aboriginal people must be undertaken and documented in accordance with the 'Aboriginal cultural heritage consultation requirements for proponents' (DECCW 2010). The significance of cultural heritage values for Aboriginal people who have a cultural association with the land must be documented in the ACHAR
- impacts on Aboriginal cultural heritage values are to be assessed and documented in the ACHAR. The ACHAR must demonstrate attempts to avoid impact upon cultural heritage values and identify any conservation outcomes. Where impacts are unavoidable, the ACHAR must outline measures proposed to mitigate impacts.

	<p><b>17. Utilities and Services</b> – including:</p> <ul style="list-style-type: none"> <li>- details of existing capacity and requirements of the development for sewerage, water, trade wastewater, electricity, waste disposal, telecommunications and gas in consultation with the relevant service providers</li> <li>- evidence the proposed development will not adversely impact on any existing servicing infrastructure on or off the site, including electrical, water, wastewater or stormwater main (or any other Sydney Water asset) including any easement or property</li> <li>- details of measures to protect existing Sydney Water assets or easements</li> <li>- a description of the staging, if any, of infrastructure works, any infrastructure upgrades that are required off-site to facilitate the orderly and economic development of the site and a description of the arrangements that would be put in place to ensure that these upgrades are implemented in a timely manner and maintained</li> <li>- demonstration that satisfactory arrangements have been made for drinking water, wastewater and recycled water (if required) services</li> <li>- a feasibility study for the preferred connection to the electricity grid.</li> </ul> <p><b>18. Biodiversity</b> – including:</p> <ul style="list-style-type: none"> <li>- an assessment of biodiversity impacts in accordance with the Biodiversity Assessment Method and documented in a Biodiversity Development Assessment Report</li> <li>- details of measures to avoid, mitigate or offset all direct, indirect and prescribed impacts in accordance with the Biodiversity Assessment Method</li> <li>- a vegetation management plan, including details of any rehabilitation works for the Ropes Creek riparian corridor and consideration of the Draft Ropes Creek Development Control Plan.</li> </ul> <p><b>19. Planning Agreement/Contributions</b> – including:</p> <ul style="list-style-type: none"> <li>- consideration of Council's Section 7.11 Contribution Plan and/or details of any Voluntary Planning Agreement</li> <li>- demonstration that satisfactory arrangements have been or would be made to provide, or contribute to the provision of, the necessary regional infrastructure required to support the development.</li> </ul>
<b>Plans and Documents</b>	The EIS must include all relevant plans, architectural drawings, diagrams and relevant documentation required under Schedule 1 of the Regulation. Provide these as part of the EIS rather than as separate documents. The EIS must include high quality files of maps and figures of the subject site and proposal.
<b>Consultation</b>	<p>During the preparation of the EIS, you must consult with the relevant local, State or Commonwealth Government authorities, service providers, community groups and affected landowners.</p> <p>In particular you must consult with:</p> <ul style="list-style-type: none"> <li>- Blacktown City Council</li> <li>- Fairfield Council</li> <li>- Environment Protection Authority</li> <li>- Department of Planning, Industry and Environment (DPIE)</li> <li>- Department of Primary Industries, DPIE</li> <li>- Natural Resources Access Regulator, DPIE</li> <li>- Water Group, DPIE</li> <li>- Environment, Energy and Science, DPIE</li> <li>- Transport for NSW (including Roads and Maritime Services)</li> <li>- NSW Ministry of Health</li> <li>- Western Sydney Local Health District</li> <li>- Fire and Rescue NSW</li> <li>- Sydney Water</li> </ul>

	<ul style="list-style-type: none"> <li>- Endeavour Energy</li> <li>- SafeWork NSW</li> <li>- Heritage NSW, Department of Premier and Cabinet</li> <li>- WaterNSW</li> <li>- Western Sydney Airport Corporation</li> <li>- Civil Aviation Safety Authority</li> <li>- Department of Energy and Environment</li> <li>- nearby landowners, businesses and occupiers that may be affected by the proposal.</li> </ul> <p>The EIS must describe the consultation process and the issues raised and identify where the design of the development has been amended in response to these issues. Where amendments have not been made to address an issue, a short explanation should be provided.</p>
<b>Further consultation after 2 years</b>	If you do not lodge a Development Application and EIS for the development within two years of the issue date of these SEARs, you must consult further with the Secretary in relation to the preparation of the EIS.
<b>References</b>	The assessment of the key issues listed above must take into account relevant guidelines, policies, and plans as identified. While not exhaustive, the following attachment contains a list of some of the guidelines, policies, and plans that may be relevant to the environmental assessment of this proposal.



## Attachment 1 - Policies, Guidelines & Plans

### Plans and Documents

The EIS must include all relevant plans, architectural drawings, diagrams and relevant documentation required under Schedule 1 of the *Environmental Planning and Assessment Regulation 2000*. Provide these as part of the EIS rather than as separate documents. In addition, the EIS must include the following:

1. An existing site survey plan drawn at an appropriate scale illustrating:
  - the location of the land, boundary measurements, area (m<sup>2</sup>) and north point
  - the existing levels of the land in relation to buildings and roads
  - location and height of existing structures on the site
  - location and height of adjacent buildings and private open space
  - all levels to be to Australian Height Datum (AHD).
  
2. A locality/context plan drawn at an appropriate scale should be submitted indicating:
  - watercourses including nearby rivers and creeks, and dams
  - significant local features such as heritage items
  - the location and uses of nearby buildings, shopping and employment areas, hospitals and schools
  - traffic and road patterns, pedestrian routes and public transport nodes.
  
3. An indication of the location of the site with respect to the relevant Land Zoning Map within the Blacktown Local Environmental Plan 2015.
  
4. Drawings at an appropriate scale illustrating:
  - detailed plans, sections and elevations of the existing and proposed buildings and structures, which clearly show all proposed internal and external infrastructure.

### Documents to be submitted

Documents to submit include:

- one electronic copy of all the documents and plans for review prior to exhibition
- other copies as determined by the Department once the development application is lodged.

## Technical Guidelines and Policies

The following guidelines may assist in the preparation of the Environmental Impact Statement. This list is not exhaustive and not all these guidelines may be relevant to your proposal.

Many of these documents can be found on the following websites:

<http://www.planning.nsw.gov.au>

<http://www.bookshop.nsw.gov.au>

<http://www.publications.gov.au>

Aspect	Policy / Methodology
<b>Air Quality and Odour</b>	
	Waste Avoidance and Resource Recovery Strategy 2014-2021 (EPA 2014)
	Waste Classification Guidelines (DECC)
	Environmental Guidelines: Assessment Classification and Management of Non-Liquid and Liquid Waste (EPA)
	Environmental guidelines: Composting and Related Organics Processing Facilities (DEC)
	Environmental guidelines: Use and Disposal of Biosolids Products (EPA)
	Composts, soil conditioners and mulches (Standards Australia, AS 4454)
<b>Human Health Risk</b>	
	Environmental Health Risk Assessment: Guidelines for assessing human health risks from environmental hazards (enHealth, 2012)
	PFAS National Environmental Management Plan Version 2.0 (Heads of EPA Australia and New Zealand 2020)
<b>Waste</b>	
	Waste Avoidance and Resource Recovery Strategy 2007 (DECC)
	NSW Energy from Waste Policy Statement (EPA, 2015)
	Waste Classification Guidelines (DECC)
	Environmental Guidelines: Assessment Classification and Management of Non-Liquid and Liquid Waste (NSW EPA)
	Environmental guidelines: Composting and Related Organics Processing Facilities (DEC)
<b>Soil and Water</b>	
<i>Soil</i>	Australian and New Zealand Guidelines for the Assessment and Management of Contaminated Sites (ANZECC & NHMRC)
	National Environment Protection (Assessment of Site Contamination) Measure 1999 (NEPC)
	State Environmental Planning Policy No. 55 – Remediation of Land
	Managing Land Contamination – Planning Guidelines SEPP 55 – Remediation of Land (DOP)
	Contaminated Sites – Guidelines for Consultants Reporting on Contaminated Sites (OEH 2011)
<i>Surface Water</i>	National Water Quality Management Strategy: Water quality management - an outline of the policies (ANZECC/ARMCANZ)
	National Water Quality Management Strategy: Policies and principles - a reference document (ANZECC/ARMCANZ)
	National Water Quality Management Strategy: Implementation guidelines (ANZECC/ARMCANZ)
	National Water Quality Management Strategy: Australian Guidelines for Fresh and Marine Water Quality (ANZECC/ARMCANZ)
	National Water Quality Management Strategy: Australian Guidelines for Water Quality Monitoring and Reporting (ANZECC/ARMCANZ)
	Using the ANZECC Guideline and Water Quality Objectives in NSW (DEC)

	NSW State Rivers and Estuaries Policy (1993)
	State Water Management Outcomes Plan
	NSW Government Water Quality and River Flow Environmental Objectives (DECC)
	Approved Methods for the Sampling and Analysis of Water Pollutants in NSW (DEC)
	Managing Urban Stormwater: Soils & Construction (Landcom)
	Managing Urban Stormwater: Treatment Techniques (DECC)
	Managing Urban Stormwater: Source Control (DECC)
	Technical Guidelines: Bunding & Spill Management (DECC)
	Guidelines for Controlled Activities on Waterfront Land (2018)
<i>Groundwater</i>	National Water Quality Management Strategy: Guidelines for Groundwater Protection in Australia (ARMCANZ/ANZECC)
	NSW State Groundwater Policy Framework Document 1997 (DLWC)
	NSW State Groundwater Quality Protection Policy 1998 (DLWC)
	NSW State Groundwater Quantity Management Policy 2002 (DLWC)
	The NSW State Groundwater Dependent Ecosystem Policy (DLWC)
	Guidelines for the Assessment and Management of Groundwater Contamination (DECC)
	NSW Aquifer Interference Policy (NOW 2012)
	MDBC Guidelines on Groundwater Flow Modelling 2000
	Australian Groundwater Modelling Guidelines 2012
<i>Wastewater</i>	Environmental Guidelines: Use of Effluent by Irrigation (DECC)
	National Water Quality Management Strategy - Guidelines For Water Recycling: Managing Health And Environmental Risks (Phase1) 2006 (EPHC, NRMMC & AHMC)
	National Water Quality Management Strategy – Australian Guidelines for Water Recycling: Managing Health and Environmental Risks (Phase 2): Augmentation of Drinking Water Supplies 2008 (EPHC, NRMMC & AHMC)
	National Water Quality Management Strategy: Guidelines for Sewerage Systems - Effluent Management (ARMCANZ/ANZECC)
	National Water Quality Management Strategy: Guidelines for Sewerage Systems - Use of Reclaimed Water (ARMCANZ/ANZECC)
	Recycled Water Guidance Document: Recycled Water Management Systems (DPI, 2015)
<b>Traffic and Transport</b>	
	Guide to Traffic Generating Development (RTA)
	Guide to Traffic Management Part 12: Traffic Impacts of Developments (Austroads 2016)
	NSW Long Term Transport Master Plan (TfNSW 2012)
	Road Design Guide (RTA)
	Traffic Modelling Guidelines (RMS, 2013)
	Future Transport 2056
	NSW Freight and Ports Plans 2018-2023
<b>Noise and Vibration</b>	
<i>Noise</i>	NSW Noise Policy for Industry (EPA 2017)
	NSW Road Noise Policy (EPA 2011)
	Environmental Criteria for Road Traffic Noise (EPA 1999)
	Interim Construction Noise Guideline (DECC 2009)
<i>Vibration</i>	Assessing Vibration: A Technical Guideline (DEC 2006)
<b>Hazards and Risk</b>	
	State Environmental Planning Policy No. 33 – Hazardous and Offensive Development
	Applying SEPP 33 – Hazardous and Offensive Development Application Guidelines (DUAP)
	AS/NZS 4360:2004 Risk Management
	HB 203:2006 Environmental Risk Management – Principles and Process
	Hazardous Industry Planning Advisory Paper No. 6 – Guidelines for Hazard Analysis
	Planning Advisory Paper No. 4 – Risk Criteria for Land Use Safety Planning (DUAP)

	Contaminated Sites – Guidelines on Significant Risk of Harm from Contaminated Land and the Duty to Report (EPA 2003)
	Fire Safety in Waste Facilities (FRNSW, 2020)
<b>Visual</b>	
	Control of Obtrusive Effects of Outdoor Lighting (Standards Australia, AS 4282)
	State Environmental Planning Policy No 64 - Advertising and Signage
<b>Greenhouse Gas</b>	
	National Greenhouse Accounts (NGA) Factors (Department of Environment)
	The Greenhouse Gas Protocol: Corporate Standard, World Council for Sustainable Business Development and World Resources Institute
	National Greenhouse and Energy Reporting System, Technical Guidelines
	Australian Greenhouse Emissions Information System (AGEIS)
	National Greenhouse Accounts (NGA) Factors (Department of Environment)
	Guidelines for Energy Savings Action Plans (DEUS, 2005)
	AGO Factors and Methods Workbook (AGO)
<b>Aircraft Safety</b>	
	National Airports Safeguarding Framework (DIRDC, 2012)
	Draft Western Sydney Aerotropolis Plan
	Western Sydney Aerotropolis Discussion Paper on the Proposed State Environmental Planning Policy (Western Sydney Planning Partnership, 2019)
	Draft Guidelines for plume rise assessments (CASA, 2003)
	Advisory Circular AC 139-05 v 3.0 Plume Rise Assessments (CASA, 2019)
	Guideline C, Managing the Risk of Wildlife Strikes in the Vicinity of Airports
<b>Biodiversity</b>	
	NSW Biodiversity Offsets Policy for Major Projects (OEH, 2014) and the Framework for Biodiversity Assessment (OEH, 2018)
	State Environmental Planning Policy (Koala Habitat Protection) 2019
	State Environmental Planning Policy (Vegetation in Non-Rural Areas) 2017
	The NSW State Groundwater Dependant Ecosystem Policy (DWLC)
<b>Heritage</b>	
<i>Non-Aboriginal</i>	NSW Heritage Manual (NSW Heritage Office and DUAP)
	Statements of Heritage Impact 2002 (HO & DUAP)
	The Burra Charter (The Australia ICOMOS charter for places of cultural significance)
<i>Aboriginal</i>	Aboriginal Cultural Heritage Consultation Requirements for Proponents (DECCW, 2010)
	Code of Practice for the Archaeological Investigation of Aboriginal Objects in New South Wales (DECCW, 2010)
	Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW (OEH, 2011)
	The Burra Charter (The Australia ICOMOS charter for places of cultural significance)
<b>Social</b>	
	Social impact assessment guideline (Department of Planning and Environment, 2017)
<b>Ecologically Sustainable Development</b>	
	NSW and ACT Government Regional Climate Modelling (NAECliM) climate change projections are used to inform the building design
	Urban Green Cover in NSW Technical Guidelines (OEH 2015)

## **Attachment 2 – Government Authority Responses**