

# Planning and Development (Scoping Document – Stromlo, Block 45) Notice 2012

Notifiable instrument NI2012–289

Made under the

Planning and Development Act 2007 s 212 (Scoping of EIS)

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## 1 Name of instrument

This instrument is the *Planning and Development (Scoping Document) Notice 2012*.

## 2 Commencement

This instrument commences on the day after notification.

## 3 Scoping of EIS

A Scoping Document has been prepared by the planning and land authority within the Environment Sustainability and Development Directorate.

The text of the Scoping Document is shown at Annexure A.

A copy of the Scoping Document may be obtained from ESDD's website:

[http://www.actpla.act.gov.au/\\_data/assets/pdf\\_file/0009/28935/Signed\\_Scoping\\_Document\\_201200083.pdf](http://www.actpla.act.gov.au/_data/assets/pdf_file/0009/28935/Signed_Scoping_Document_201200083.pdf)

## 4 Completion

The Scoping Document and the notice including the text of the Scoping Document expire 18 months after the day the notice is notified.

David Papps  
Environment and Sustainable Development Directorate  
4 June 2012



**ACT**  
Government

Environment and  
Sustainable Development

# Form

## Scoping Document

Under Part 8 of the *Planning and Development Act 2007*

APPLICATION NUMBER: 201200083		DATE OF THIS NOTICE: 1 May 2012	
DATE LODGED: 20 March 2012		DATE OF EXPIRY: 30 October 2013	
PROJECT: Cravens Creek Pond and Pond N1, Molonglo Valley			
BLOCKS: 45	SECTION: 000		SUBURB: STROMLO
ADDRESS: Molonglo Valley Future Urban Area, Stage 2			
APPLICANT: Ben Crossling, Shared Services Procurement			
LESSEE: Unleased Territory Land, Australian Capital Territory			

### SCOPING DOCUMENT:

The planning and land authority within the Environment and Sustainable Development Directorate (ESDD) received your application under Section 212(1) of the *Planning and Development Act 2007* (the Act) for Scoping of an EIS for the above proposed development. Pursuant to Section 212(2) of the Act ESDD has:

- a) Identified the matters that are to be addressed by an Environmental Impact Statement (EIS) in the relation to the development proposal.
- b) Prepared a written notice (the *scoping document*) of the matters.

*NB: The attached scoping document is final. The Environmental Impact Statement must conform to the requirements of this scoping document. This document does not indicate approval, or support in any way, nor does it indicate approval in principle.*

### TERM OF SCOPING DOCUMENT

Pursuant to Section 215 of the Act, this scoping document is effective for 18 months from the day after the date of this notice.

### FORM AND FORMAT OF DRAFT EIS

The ESDD requires that the proponent prepares an EIS in the following form and format:

- The EIS must be prepared in accordance with section 50 of the *Planning and Development Regulation 2008*
- The EIS document sized A4 with maps and drawings in A4 or A3 format
- The proponent must supply three (3) copies of the draft EIS and four (4) copies of the revised EIS
- The EIS must be presented for circulation and web posting in an electronic format

GPO BOX 1908, Canberra ACT 2601

[www.actpla.act.gov.au](http://www.actpla.act.gov.au)

Authorised by the ACT Parliamentary Counsel—also accessible at [www.legislation.act.gov.au](http://www.legislation.act.gov.au)



**ACT**  
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Environment and  
Sustainable Development

# Form

## Scoping Document

Under Part 8 of the *Planning and Development Act 2007*

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- The proponent must supply nine (9) CD/DVD copies of the draft EIS and three (3) CD/DVD copies of the revised EIS. Additional CD/DVD copies must be produced on request
- Digital files must not exceed 10 MB each
- The EIS must be written in plain English and avoid the use of jargon as much as possible
- The EIS is required to be provided in the same structure as described in this scoping document as closely as possible. A table that cross-references the EIS to the final scoping document must be included if the structure is different
- Additional technical detail, including relevant data, technical reports and other sources of the EIS analysis must be provided in appendices
- Maps, diagrams and other illustrative material should be included in the EIS to assist readers to interpret information.

### COST OF PREPARATION OF DRAFT EIS

The proponent is responsible for the preparation of the draft and revised EIS and any related applications and associated costs. This includes additional copies of the draft and revised EIS and other associated documents as required by ESDD from time to time.

### NEXT STEPS:

Pursuant to Section 216(2) of the Act, you are now required to:

- a) Prepare a document (a **draft EIS**) that addresses each matter raised in the scoping document for the proposal
- b) Pay the public notification fee once you receive the fee advice from Customer Services, ESDD
- c) Prepare a document (a **revised EIS**) that addresses each matter raised in ESDD's comments and the representations on the draft EIS
- d) submit the revised EIS to ESDD for evaluation.

If you have any queries about the requirements outlined in this scoping document, please contact Yuyan Wei to arrange a suitable time to discuss.

**Delegate**  
Ben Ponton  
A/g Deputy Director General,  
Planning Policy  
Environment & Sustainable Development Directorate

**Contact**  
Yuyan Wei  
Assessment Officer  
Impact and Estates Assessment  
Planning Delivery Division  
Environment & Sustainable Development Directorate  
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2 May 2012

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## **GENERAL REQUIREMENTS FOR THE EIS**

### **1 Cover Page**

The cover page must clearly display the following:

- The name of the proposal (project title)
- The block identifier and street address for the proposal
- The date of the preparation of the document
- Full name and postal address of the designated proponent
- Name of the person/organisation who prepared the documents
- Address, telephone and email contact details for the person/organisation who prepared the document
- Name of person/organisation for which the document was prepared.

### **2 Glossary**

Provide a glossary of technical terms, acronyms and abbreviations used in the EIS.

### **3 Executive Summary**

Provide a non-technical summary of the EIS including a description of the proposal, key findings and recommendations.

### **4 Introduction**

Summarise the proposal background and justification for the proposal.

### **5 Proposal Details**

#### *5.1 Project Description*

Provide a description of the proposal, including:

- a) The location of the land to which the proposal relates, including detailed maps
- b) The custodian of the land
- c) The purposes for which the land may be used
- d) Clearly identify all lands subject to direct disturbance from the proposal and associated infrastructure and geomorphic features such as waterways and wetlands
- e) An outline of any developments that have been, or are being, undertaken by the proponent, or other person(s) or entities, within the proposal area and broadly in the region. Describe how the action relates to these in the region affected by the action
- f) A description of all the components of the action, including the proposal specifications including the predicted timescale for implementation (design, approvals, construction and decommissioning) and project life
- g) A description of the precise location of any works to be undertaken, structures to be built or elements of the action that may have relevant impacts
- h) A description of the construction methodologies for the proposal.

## 5.2 *Alternatives to the proposal*

Provide details of any alternatives to the proposal considered in developing the proposal including a description of:

- a) Any alternatives to the proposal and provide reasons for selecting the preferred option  
Include any detailed analysis of site selection as an attachment to the EIS
- b) The criteria used for assessing the performance of any alternative to the proposal considered
- c) Any matters considered to avoid or reduce potential impacts prior to the selection of the preferred option
- d) Details of the consequences of not proceeding with the proposal.

## 5.3 *Objectives*

Describe the objectives of and justification for the proposal.

## 6 **Legislative Context**

A description of the EIS process including any statutory approvals obtained or required for the proposal.

### 6.1 *Statutory requirements*

#### 6.1.1 ACT requirements for the preparation of an EIS

The EIS must include information on statutory requirements for the preparation of an EIS, including:

- *Planning and Development Act 2007*
- *Planning and Development Regulation 2008*
- *Related statutory approvals.*

#### 6.1.2 Commonwealth matters

The EIS must address how the proposal is considered under:

- *Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act)*
- *Molonglo Valley Plan for the Protection of Matters of National Environmental Significance*

### 6.2 *Other requirements*

The description must also include information on how each of the following has been considered in the preparation of the EIS:

- Territory Plan 2008
- National Capital Plan
- Sustainability Policy
- Sustainable Transport Plan
- Canberra Spatial Plan
- ACT Climate Change Strategy
- The Draft Strategic Assessment Report of the Molonglo Valley
- Important Planning Requirements for the First Release Area in the Molonglo Valley
- Molonglo Stage 2 Planning and Design Framework

- Important Planning Requirements (IPRs) for the First Release Area
- The Molonglo River Park Concept Plan
- Preliminary Risk Assessment, Molonglo Valley Urban Development Stage 2 and Supporting Infrastructure
- Other relevant planning and environmental guidelines and management plans.

#### 6.2.1 Ecologically sustainable development

Provide a description of the proposed action in relation to the long-term and short-term considerations of economic development, social development and environmental protection. A statement should be provided to address how the following ecologically sustainable development principles have been considered in the preparation of the EIS:

- a) The precautionary principle
- b) The principle of intergenerational equity
- c) The conservation of biological diversity and ecological integrity
- d) Improved valuation, pricing and incentive mechanisms.

#### 6.2.2 Territory Plan strategic directions

A statement must be provided regarding the proposal’s compatibility with the principles setup in the Statement of Strategic Directions in the Territory Plan 2008 (Section 2.1- Strategic Direction).

### 7 Risk Assessment

#### 7.1 Risk Assessment Methodology

Provide a risk assessment in accordance with the Australian and New Zealand Standard for risk management AS/NZS ISO 31000:2009 *Risk Management – Principles and guidelines*. The proposed criteria for determining which risks are potentially significant impacts must be described. This should be based upon the Preliminary Risk Assessment (PRA) submitted with your request for the scoping application.

Should any risk levels change during the preparation of the EIS or any new risks become apparent, these must be assessed and included within the EIS, and where relevant, the residual risk assessment.

-Assessment guide-			
Provide a table with the headings below to describe the risks identified and the original risk rating without any mitigation strategies in place. This table format is one option, however alternative formats can be used provided the methodology is clearly described and in accordance with AS/NZS ISO 31000:2009 <i>Risk Management – Principles and guidelines</i>			
Risk	Likelihood	Consequence	Risk rating

## 8 Assessment of Impacts

Sufficient information is required to provide ESDD with an adequate understanding of the environmental impacts associated with the proposal. Each potentially significant impact rated with a risk rating of medium and above as identified in the risk assessment must be addressed against items identified in sections 8.2 - 8.6 where not already identified in Table 1.

Table 1 identifies the issues that ESDD has identified as potentially significant risks, and sections of the scoping document that must be addressed in the EIS. The risks and their associated risk levels were determined from the information submitted with the PRA, comments received from entities on the request for scoping document application and ESDD's assessment.

**Table 1 – Identified Impacts and requirements to be addressed in the EIS**

Environmental Theme	Risk identified	Sections of scoping document to be considered
Planning and land status		8.1.1
Traffic and transport	<ul style="list-style-type: none"> <li>Traffic impacts on the local road network during construction</li> </ul>	8.1.2, 8.4, 8.5
Utilities		8.1.3
Materials and waste	<ul style="list-style-type: none"> <li>Impacts of material handling, storage and stockpiling on surrounding sensitive areas, including habitats for threatened fauna species, native vegetation, and Molonglo River Corridor.</li> </ul>	8.1.4, 8.4, 8.5
Landscape and visual	<ul style="list-style-type: none"> <li>Important view shed changes</li> <li>Changes to nature of the environment</li> <li>Changes to value of landscape</li> </ul>	8.1.5
Soils and geology	<ul style="list-style-type: none"> <li>Soil disturbance, sedimentation and erosion impacting on surrounding sensitive areas and habitat</li> </ul>	8.1.6, 8.2 -8.6
Water quality and hydrology	<ul style="list-style-type: none"> <li>Potential for changes to existing water table</li> <li>Changes to water quality of local watercourses during construction and operation</li> <li>Changes to and impacts on channel morphology</li> <li>Impacts on local hydrology including moderation of environmental flows and water storing</li> <li>Landform changes impacting on the potential for localised flooding</li> </ul>	8.1.7, 8.2- 8.6
Climate change and air quality	<ul style="list-style-type: none"> <li>Reduced air quality during construction and associated impacts on fauna and threatened bird species, and the Mt Stromlo Observatory</li> </ul>	8.1.8, 8.2-8.6

Environmental Theme	Risk identified	Sections of scoping document to be considered
Terrestrial flora and fauna	<ul style="list-style-type: none"> <li>• Reduction and removal of native vegetation, including trees with significant ecological or landscape values</li> <li>• Direct impacts on Pink-tailed Worm Lizard and its habitat</li> <li>• Direct impacts on Perunga Grasshopper and its habitat</li> <li>• Removal of local fauna habitat</li> <li>• Habitat fragmentation and disconnection, particularly relating to bird and local fauna species</li> </ul>	8.1.9, 8.2-8.6
Aquatic flora and fauna	<ul style="list-style-type: none"> <li>• Changes to local ecosystem</li> <li>• Water flow changes impacting on aquatic species</li> </ul>	8.1.10, 8.2-8.6
Aboriginal and European cultural Heritage	<ul style="list-style-type: none"> <li>• Removal of or damage to known and undiscovered heritage items</li> </ul>	8.1.11, 8.2-8.6
Socio-economic and health		8.1.12
Noise, vibration and lighting	<ul style="list-style-type: none"> <li>• Construction impacts on threatened bird species</li> </ul>	8.1.13, 8.4, 8.5
Hazard and risk	<ul style="list-style-type: none"> <li>• Catastrophic failure of dam wall</li> <li>• Unsafe acts and hazards associated with construction activities</li> </ul>	8.1.14, 8.5
Recreation		8.1.15
All other impacts		8.1.16

### 8.1 General

The baseline information used for predicting each potentially significant environmental impact identified within the scoping document should be outlined within this section. This should be discussed under the headings 8.1.1 – 8.1.15. Describe the assessment scenario for each heading under 8.1.1 – 8.1.15.



-Assessment Guide-		
<p><b>Assessment Scenarios:</b> Proponent should describe and use baseline case, application case and planned development case in their EIS to describe and address impacts at all stages of the project (construction, operation, decommissioning and reclamation)</p>		
<p><b>Baseline case</b> The baseline case establishes and describes the conditions that exist prior to the development or if the project were not developed. Describe the environmental conditions that include the effects of existing land uses of the area.</p>	<p><b>Application case</b> The application case describes the baseline case with the effects of the proposal added. Information is provided to allow regulators to determine how project operations should be controlled and how adverse effects can be mitigated and managed.</p>	<p><b>Planned development case</b> The planned development case describes the environmental conditions of the project when integrated with the existing conditions and any other planned projects which can be reasonable expected to occur.</p>

**NOTE:** *the information provided under the following headings is for guidance only and is not an exhaustive list of matters that may be required to accurately detail the assessment scenarios.*

#### 8.1.1 Planning and land status

- *Include a description of planning context of the area where the project will be located*
- *Describe planning and development status of any land or project relevant to the proposal*
- *Describe land use of the proposed land and any land to be affected (including zoning, lessee(s) or custodian of the land, the permissibility of the proposed use defined in the Territory Plan)*
- *Address requirements outlined in A4 of Attachment A by Land and Infrastructure Policy Branch.*

#### 8.1.2 Traffic and transport

- *Describe arrangements for the transport of construction materials, equipment, products, wastes and personnel during both the construction phase and operational phases of the development proposal*
- *Include a description of the volume of traffic generated during construction and operation*
- *Include details of vehicle traffic, transit routes and transport of heavy and oversize loads (including types and composition)*
- *Address Item 2 outlined in A5 of Attachment A by Territory and Municipal Services Directorate (TAMSD).*

#### 8.1.3 Utilities

- *Describe the existing utilities located on the land subject to this proposal*
- *Describe any new utilities, removal, realignments or utility connections required as a result of this development.*

#### 8.1.4 Materials and waste

- *Describe hazardous materials and dangerous chemicals to be used or stored on site during construction and operation*
- *Describe the nature, sources, location and quantities of all materials to be handled, including the storage, stockpiling and disposal of materials and waste.*

8.1.5 Landscape and visual

- *Undertake a visual assessment of the site and surrounds to describe the current landscape character of the area*
- *Identify important view sheds and significant views and vistas to and from the site*
- *Conduct a visual impact analysis that details predicted impacts the proposal may have on the landscape character of the site and surrounds*
- *Provide perspectives and/or a visual analysis of the proposal from local vantage points*
- *Address Item 5 outlined in A5 of Attachment A by TAMSD.*

8.1.6 Soils and geology

- *Describe the potential impacts associated with soils and geology on the proposed site and surrounding areas (including Molonglo River Corridor)*
- *Provide information on methods of impact reduction and rehabilitation associated with soils and geology*
- *Address the requirement outline in A3 of Attachment A by Environment Protection*
- *Address Item 3 outlined in A5 of Attachment A by TAMSD.*

8.1.7 Water quality and hydrology

- *Describe the present and potential water uses and users within the affected catchment of the proposal. Include a map of the catchment*
- *Describe how water will be managed on the site and for nearby areas during construction and operation*
- *Provide information on the stormwater management both during construction and operation including any on site detention and water quality protection measures*
- *Describe the current groundwater quality and measures proposed to maintain and monitor ground water quality*
- *Describe how the ponds will impact local watercourses and surrounds, including Cravens Creek, the Molonglo River, and the Molonglo River corridor*
- *Address items 1 and 2 outlined in A1 of Attachment A by the Conservator of Flora and Fauna.*

8.1.8 Climate change and air quality

- *Discuss the potential air emissions from the proposed development during construction and operation*
- *Discuss the potential impacts of air quality change, e.g. dust generated during construction, on Mt Stromlo Observatory*
- *Discuss methods for reducing impacts of air emissions.*

8.1.9 Terrestrial flora and fauna

- *Include a description of the existing ecology and environmental values*
- *Include a list of all species that may be present on site and their status under Territory legislation*
- *Describe the effects or potential effects of the proposal on terrestrial flora and fauna of the region*
- *Address items 3 and 4 outlined in A1 of Attachment A by the Conservator of Flora and Fauna.*

8.1.10 Aquatic flora and fauna

- *Include a description of the local aquatic ecosystems including a description of downstream systems and those having the potential to be impacted by the development*
- *Describe the effects and potential effects of the proposal on aquatic flora and fauna*

- *Address items 2 outlined in A1 of Attachment A by the Conservator of Flora and Fauna.*

#### 8.1.11 Aboriginal and European cultural heritage

- *Describe the heritage values of the site and any impacts of the proposal on any heritage items*
- *Address the requirements outlined in A2 of Attachment A by the ACT Heritage Council.*

#### 8.1.12 Socio-economic and health

- *Provide an analysis of the potential impacts on human health and any measures incorporated into the development to mitigate these impacts*
- *Describe the suitability of the land for the type of proposal described in terms of people health*
- *Detailed discussion of the potential social and economic impacts associated with the proposal*
- *Provide maps showing sensitive receivers.*

#### 8.1.13 Noise, vibration and lighting

- *Identify any potentially sensitive receivers (including residential dwellings and road users) which may be affected by the construction and operation of this proposal*
- *Discuss the magnitude, duration and frequency of any noise or vibration that might arise from the construction phase*
- *Discuss the types, duration and frequency of any noise during operation phases of the proposal.*

#### 8.1.14 Hazard and risk

- *Describe the potential for hazard and risk associated with the construction and operation of the project including flooding, vandalism and accidents*
- *Describe how the site is suitable for the proposed use, including considerations of hazards and risks relating to topography and contamination*
- *Address Item 1 outlined in A5 of Attachment A by TAMSD.*

#### 8.1.15 Recreation

- *Describe the usability of ponds as a recreation facility*
- *Describe any areas relevant to the proposed site used for recreation (formal or informal) and the potential for the proposal to impact on these areas, including areas used by equestrians, cyclists and walkers*
- *Address Item 4 outlined in A5 of Attachment A by TAMSD.*

#### 8.1.16 All other impacts

- *Describe any potential impacts that have not been discussed in the previous sections.*

### 8.2 Environmental conditions and values

Describe the environmental conditions and identify the environmental values for the environmental themes identified in Table 1. This section should discuss the baseline conditions for the area.

### 8.3 Investigations

Identify the findings and results of any environmental investigation in relation to the land to which the proposal relates.

#### 8.4 Impacts

Describe the effects of the environmental impact as a result of construction and operation for the environmental themes identified in Table 1 (including cumulative, consequential and indirect effects) on physical and ecological systems and human communities. Particular emphasis should be placed on the potentially significant impacts identified in the risk assessment. Include a discussion of the timeframes of impacts i.e. short or long term, their nature and extent and whether they are reversible or irreversible, unknown or unpredictable. Include an analysis of the significance of the relevant impacts. Information must include any technical data and other information used or needed to make a detailed assessment of the relevant impacts.

#### 8.5 Mitigation and offsets

Discuss the proposed safeguards and mitigation measures proposed to be taken for the environmental management of the land to which the proposal relates for the environmental themes identified in Table 1. This is to include:

- a) A description and an assessment of the proposed impact prevention, mitigation or offsetting measures to deal with the environmental impact of the proposal
- b) A description of the expected or predicted effectiveness of the mitigation measures
- c) Any statutory or policy basis for the mitigation measures
- d) An outline of an environmental management plan that sets out the framework for continuing management, mitigation and monitoring programs for the relevant impacts of the action, including any provisions for independent environmental auditing
- e) The name of the agency responsible for endorsing or approving each mitigation measure or monitoring program
- f) If an offset package is required, it must provide compensation for any unavoidable impacts arising from the proposal on listed threatened species and communities. The offset package must include, but not be limited to, measures to address the long-term protection and management of relevant listed threatened species and communities at offset sites in the ACT (or surrounding area) and may also include management measures to improve the ecological values. Further information on the provision of Federal offsets is detailed in the *Draft Policy Statement: Use of environmental offsets under the EPBC Act (August 2007)* available on the Department of Sustainability, Environment, Water, Population and Communities website
- g) A discussion on how the proposed mitigation and offset measures interact with the Molonglo Valley Plan for the Protection of Matters of National Environmental Significance
- h) A description of the cost effectiveness of environmental mitigation or rehabilitation measures proposed and the expected or predicted effectiveness of those measures.

#### 8.6 Residual risk

Provide a table that details the residual risk for the potentially significant impacts identified for the environmental themes in Table 1. A residual risk assessment is only required where the significance of impact is determined as medium or above. The calculation of the residual risk should take into account the influence of implementation of mitigation or offsetting measures on the impacts identified by the risk assessment. A discussion of how the calculations were determined should also be included.

-Assessment Guide-				
Provide a table with the headings below to describe the risks identified and the original risk rating without any mitigation. The residual risk assessment will include the consideration of management, mitigation and monitoring strategies applied to each risk identified. The residual risk rating describes the final risk with the mitigation measures in place.				
Risk identified in Section 7.1	Original risk rating from items identified in 7.1	Residual likelihood	Residual consequence	Residual risk rating

## 9 Community and stakeholder consultation

9.1 The proponent must consult with:

- Lease holders and land managers of land potentially impacted by the proposal
- Any recreational groups which will be affected by the proposal
- Any volunteer conservation, landscape management or land care groups active in the area to be effected by the proposal
- The local community.

9.2 Describe the community consultation undertaken (methodology and criteria for identifying stakeholders and the communication methods used).

9.3 The revised EIS must include the representations received, issues raised in the representations and a response to the issues and values identified. The summary response must clearly identify the representation(s) to which the responses relate.

9.4 Describe how any concerns have been considered in light of the proposal and any future development planned.

## 10 Recommendations

10.1 Provide a summary of any commitments to impact prevention, mitigation measures, offsetting measures and other actions within the EIS.

10.2 Provide a summary table outlining the residual risk assessment results.

10.3 Describe the monitoring parameters, monitoring points, frequency, data interpretation and reporting proposals.

## 11 Other relevant information

The proponent may wish to include issues outside of the scope of the EIS, as a separate section of the EIS. This allows the proponent to identify matters, not required to be addressed in the EIS, but that would be subject to development assessment consideration and notification. This can provide additional context for members of the public regarding management of environmental issues, by ensuring that the public is aware that these issues will be addressed in the detailed design of the proposal.

## 12 References

A reference list using standard referencing systems must be included.

### **13 Required Appendices**

#### *13.1 Final scoping document for the EIS*

A copy of the final scoping document should be included in the EIS. Where it is intended to bind appendices in a separate volume from the main body of the EIS, the final scoping document should be bound with the main body of the EIS for ease of cross-referencing.

#### *13.2 Scoping Document Reference*

Include a table that cross-references the draft EIS and revised EIS to the scoping document.

#### *13.3 Proponent's Environmental Record*

Provide details of any proceedings under a Commonwealth or Territory law for the protection of the environment or the conservation and sustainable use of natural resources against:

- The person proposing to take the action
- For an action for which a person has applied for a permit, the person making the application.

If the person proposing to take the action is a corporation, then provide details of the corporation's environmental policy and planning framework.

#### *13.4 Information Sources*

For information given the following must be stated:

- The source of the information
- How recent the information is
- How the reliability of the information was tested
- What uncertainties (if any) are in the information.

#### *13.5 Study team*

The qualifications and experience of the study team and specialist sub-consultants and expert reviewers must be provided.

#### *13.6 Specialist studies*

All reports generated on specialist studies undertaken as part of the EIS are to be included as appendices.

#### *13.7 Research*

Any proposals for researching alternative environmental management strategies or for obtaining any further necessary information should be outlined in an appendix.

## **Attachment A**

### **ENTITY REQUIREMENTS**

Where not otherwise identified as a potentially significant impact, provide information in accordance with the requirements of the entities. If the issues raised by entities have been addressed in other sections of the EIS, this must be cross referenced in this section.

#### **A1. The Conservator of Flora and Fauna**

The EIS should address:

1. The impacts on the Molonglo River Park.
2. The impacts on the natural waterway below the dam wall of the construction and the operation of the ponds.
3. The proposed construction methods employed to minimise the impact of the proposal on the mapped Pink-tailed Worm Lizard habitat, including vehicle and machinery access.
4. Location and impact (if any) of the construction of the connecting pipeline and swale drain on the river corridor and Pink-tailed Worm lizard habitat.

#### **A2. ACT Heritage Council**

The only outstanding heritage requirement is adherence to all approved Unanticipated Discovery Protocols, in addition to conservation recommendations outlined in conservation management plans for MV18, and historic sites MHS1 and MHS2.

The following will be required where the proposal impacts the Molonglo River Corridor:

1. Review previous archaeological work carried out within the immediate and general area (the study area) to identify previously recorded cultural heritage values and sites (a desktop study).
2. Evaluate the potential for further surface and subsurface deposits of cultural material in the study area with the above data, and through the analysis of landscape features e.g. soil, geology, slope and hydrogeology (a predictive model of site locations).
3. Survey the study area to assess the current condition of recorded sites within the proposed development to test this model and to identify and additional surface sites (ground truthing).
4. Submit a report to the Heritage Unit detailing the results of archaeological investigation.
5. Develop a Conservation Management Plan
6. Prepare an Unanticipated Discovery Plan

#### **A3. Environment Protection**

The ACT Government Strategic Plan - Contaminated Sites Management, 1995, specifically requires that potentially contaminated land be investigated at the earliest stages of the planning process to ensure a site is suitable for the proposed use.

The EPA is aware that the Molonglo 2 development area is currently being assessed and independently audited for contamination issues. Whilst the level of contamination within this area of the development is unlikely to pose a significant risk of harm to human health the EIS documents should be updated based on assessments to date to make appropriate comment on this issue.

**A4. Land and Infrastructure Policy Branch, City Planning Division, ESDD**

The land and infrastructure group requires that:

1. Development applications for the Molonglo Stage 2 area should be consistent with the planning intent for the area as outlined in the following documents:
  - Molonglo Stage 2 Planning and Design Framework
  - Molonglo Valley Plan for the Protection of Matters of National Environmental Significance
  - Important Planning Requirements for the First Release Area
  - The Molonglo River Park Concept Plan
  - Preliminary Risk Assessment, Molonglo Valley Urban Development Stage 2 and Supporting Infrastructure
2. The EIS should address how the boundary of the development and its encroachment in the Molonglo River corridor and over the suburb footprint have been considered. State and justify the extent of the development boundary by considering the key physical site features, sensitive vegetation, habitat mapping and bushfire management requirements.

**A5. Territory and Municipal Services Directorate**

The EIS should not be limited to impacts on the 'natural' environment and should include details of impacts on the surrounding built environment and existing landuses/ land management as follows:

1. EIS must address fire management as the site is surrounded by grassed paddocks along the river. This includes risk of fires being started by heavy vehicles during the construction phase, in high fire danger periods.
2. EIS must address traffic impacts on surrounding sites, both during the construction phase and at completion. In particular:
  - Impacts of construction on access to existing fire trails within the development site. (If any new gates are proposed the developer must liaise with Parks and City Services Fire Management Unit to ensure that Fire and Emergency Services Officers have access –ie keys- to the gates).
  - Impacts on access to the nearby Stromlo Forest Park mountain biking site.
3. The EIS must address appropriate Sediment and Erosion Control measures to be followed during construction phase.
4. EIS must address benefits and impacts on recreational use of the proposed ponds area and adjacent sites, both in the construction phase and in the long term. This should include considerations of constructing facilities used for recreational purposes, and maintaining and managing these facilities at the post construction stage.
5. The EIS should:
  - consider the establishment of low-growing native grasses and groundcovers which are very drought hardy and would require minimal mowing, e.g. *Chloris truncate*, *Austrostipa scabra*, *Austrodanthonia carphoides*, *Bothriochloa macra*, *Microlaena stipoides*, *Panicum effusum*, and *Wahlenbergia sp*;



- provide a detailed description of the macrophyte planting along the pond edge. The surrounding pond areas should be landscaped with a similar native vegetation composition and genetic provenance to that which occurs along the Molonglo River to improve the connectivity with the adjacent river; and
- ensure protection of existing trees near proposed ponds in accordance with the Molonglo River Park Concept Plan.

**For noting by the proponent only**

**A6. ActewAGL Electricity**

All issues can be dealt with at the DA stage

**A7. ActewAGL Water**

There are no assets on the site.

**A8. Strategic City Planning and Design Branch, City Planning Division, ESDD**

No comments were made on the proposal.

**A9. ACT Emergency Services Agency**

No comments were made on the proposal.

## Attachment B

### GLOSSARY

**Biodiversity:** The variability among living organisms defined under the *Environment Protection and Biodiversity Conservation Act 1999* (the EPBC Act).

**Biodiversity corridor:** A river corridor or wildlife corridor identified in the Territory Plan 2008 or in a nature conservation strategy, or action plan, under the *Nature Conservation Act 1980* (the NC Act).

**Clearing of native vegetation:** The actions that are undertaken to native vegetation and listed under the NC Act, section 74 (1).

**Critical habitat:** Habitats of threatened species or threatened ecological community defined under the EPBC Act, section 207A (4).

**Ecological community:** A group of ecologically related species defined under the NC Act, or an assemblage of native species defined under the EPBC Act.

**Ecosystem:** A dynamic complex of plant, animal and micro-organism communities and their non-living environment interacting as a functional unit, as defined under the EPBC Act.

**Endangered:** A native species or an ecological community listed under the EPBC Act, or an ecological community or a species defined under the NC Act.

**Environment:** As defined under the *Planning and Development Act 2007* (the P&D Act), each of the following is part of the environment:

- (a) the soil, atmosphere, water and other parts of the earth;
- (b) organic and inorganic matter;
- (c) living organisms;
- (d) structures, and areas, that are manufactured or modified;
- (e) ecosystems and parts of ecosystems, including people and communities;
- (f) qualities and characteristics of areas that contribute to their biological diversity, ecological integrity, scientific value, heritage value and amenity;
- (g) interactions and interdependencies within and between the things mentioned in paragraphs (a) to (f);
- (h) social, aesthetic, cultural and economic characteristics that affect, or are affected by, the things mentioned in paragraphs (a) to (f).

**Habitat:** An area defined under NC Act, or the biophysical medium or media defined under the EPBC Act.

**Impact:** An event or circumstance defined under the EPBC Act, section 527E.

**Impact Track:** An assessment track that applies to a development proposal defined under the P&D Act, section 123.

**Long term:** Greater than 15 years duration.

**Medium term:** Greater than three (3) years to 15 years duration.

**Native Species:** The kinds of native animal and native plant defined under the NC Act.

**Native vegetation:** In relation to an area, means the kinds of vegetation indigenous to the area as listed under the NC Act, section 73.

**Protected:** A species declared under the NC Act, section 34.

**Protected Trees:** A registered tree or a regulated tree defined under the *Tree Protection Act 2005*.

**Rare:** A species or ecological communities defined under the Nature Conservation (Criteria and Guidelines for Declaring Threatened Species and Communities) Determination 2008.

**Reserved area:** An area of public land reserved under the Territory Plan 2008 as a wilderness area, national park or nature reserve.

**Regulated waste:** waste defined under the *Environment Protection Act 1997*

**Scoping:** The process of identifying the matters that are to be addressed by an EIS in relation to the development proposal - see the P&D Act, Section 212 (2).

**Short term:** Zero to three (3) years duration.

**Socio-economic:** Involving both social and economic factors.

**Threatening process:** A process declared to be a threatening process under the NC Act, section 38 (4).

**Threatened Species:** A species is vulnerable or endangered, or an ecological community is endangered or a process is threatening under the NC Act, or a species included in the categories that are listed under the EPBC Act, section 178.

**Vulnerable:** A species defined under the NC Act, or a species or an ecological community listed in the vulnerable category under the EPBC Act.

**Wilderness area:** An area of public land reserved under the Territory Plan 2008 as a wilderness area.