

## Appendix A - EIA Scoping Report

The EPA have provided a Scoping Guideline for the Project, which details which environmental aspects of the Project must be considered and guides the content of the API. **Table 1** summarises the key environmental factors to be considered and identifies where in the API the factor has been considered.

**Table 1** Key Environmental Factors and Chapter Reference

Key Environmental Factor	API Reference
<b>Regional Context</b>	
It is expected that the ER will provide information on the cumulative impacts on the Weeli Wolli Creek System	Chapter 6: Water Environment, Section 6.2.4: Cumulative Impacts
<b>Ground and Surface Water</b>	
The potential impact on local and regional aquifers, including potential impacts on quantity and quality of groundwater	Chapter 6: Water Environment, Section 6.3: Groundwater
EPA Objective: Maintain the quality and quantity of surface water so that existing and potential uses, including ecosystem maintenance are protected.	Chapter 6: Water Environment, Section 6.2: Surface Water
EPA Objective: Maintain the integrity, ecological function and environmental values of watercourses to ensure that alterations to surface drainage do no adversely impact native vegetation or flow regimes	Chapter 6: Water Environment, Section 6.2: Surface Water
<b>Vegetation and Flora</b>	
The potential impacts on vegetation communities	Chapter 7: Flora and Vegetation, Section 7.3: Impact Assessment and Management
[the potential impacts on] threatened ecological communities	
[the potential impacts on] priority ecological communities	
[the potential impacts on] groundwater and surface water dependant vegetation	Chapter 7: Flora and Vegetation, Section 7.3.3 Hydrogeological Regime Change and Section 7.3.4 Hydrological Regime Change. Chapter 6: Water Environment, Section 6.2 Surface Water and Section 6.3 Groundwater
EPA Objective: Maintain the diversity, geographaphic distribution and productivity of flora at species and ecosystem levels through the avoidance or management of	Chapter 7: Flora and Vegetation

Key Environmental Factor	API Reference
adverse impacts and improvement of knowledge	
<b>Fauna</b>	
Potential impacts on conservation significant species and their habitats including troglofauna	Chapter 8: Terrestrial Fauna, Section 8.3 Subterranean Fauna, Section 8.3.2.1 Troglofauna, Section 8.3.3 Impact Assessment and Management
[Potential impacts on conservation significant species and their habitats including] stygofauna	Chapter 8: Terrestrial Fauna, Section 8.3 Subterranean Fauna, Section 8.3.2.2 Stygofauna, Section 8.3.3 Impact Assessment and Management
EPA Objective: Maintain the abundance, species diversity, geographic distribution and productivity of terrestrial fauna at species and ecosystem levels through the avoidance or management of adverse impacts and the improvement of knowledge	Chapter 8: Terrestrial Fauna, Section 8.3.3 Impact Assessment and Management.
<b>Rehabilitation and Mine Closure</b>	
Final landforms including predictions about the final resting state of the pit (final water level, quality); predictions about the likely risk of acid and metalliferous drainage and proposed management; and revegetation	Chapter 10: Mine Closure and Rehabilitation
EPA Objective: Ensure that closure and rehabilitation achieves stable, non-polluting and functioning landforms which are consistent with surrounding landscape and other environment values	Chapter 10: Mine Closure and Rehabilitation
EPA Objective: Ensure that self-sustaining native vegetation communities are returned after mining, which in species composition and ecological function are close as possible to naturally occurring analogue sites.	Chapter 10: Mine Closure and Rehabilitation
<b>Other Factors</b>	
Succinctly identify any other potential environmental impacts and address the management of these impacts.	Chapter 9: Assessment of Other Relevant Factors
The ER documents will be made publically available when the EPA releases its report and recommendations, and must contain the following information:	
a. Description of the proposal and	Chapter 2: Project Justification, Sustainability

Key Environmental Factor	API Reference
alternatives considered, and provision of spatial datasets, information products and databases required	and Alternatives
b. relevant information on the receiving environment and its conservation values in a regional and local setting	Chapter 3: Regional Environment
c. assessment of the limited number of key environmental factors to demonstrate, succinctly, that the proposed management, mitigation and offsets of the potential impacts of the proposal can meet the EPA's environmental objectives	Chapter 6 to Chapter 10.
d. identification of other potential impacts or activities of the proposal that can be regulated by other government agencies, under other statutes and a commitment to complying with their requirements	Chapter 9: Assessment of Other Relevant Factors
e. details of the consultation process and outcomes. Proponents should identify in their documentation how issues raised during the stakeholder consultation have been responded to, and any subsequent adjustments made to their proposal	Chapter 4: Stakeholder Consultation
f. justified statement of how the object of the EP Act and Principles of EIA for the Proponent from the EPA's Administrative Procedures 2010 have been addressed and how the proposal is consistent with established environmental policy frameworks, guidelines and standards.	Chapter 2: Project Justification, Sustainability and Alternatives
g. provision of a completed checklist for documents submitted for EIA on terrestrial biodiversity, as detailed on the EPA website <a href="http://www.epa.wa.gov.au">www.epa.wa.gov.au</a>	Appendix A. EPA Scoping Guideline



# Environmental Protection Authority

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Mr Brett Hazelden  
General Manager – Project Development  
Iron Ore Holdings Ltd  
PO Box 1761  
**PERTH WA 6005**

*Our Ref:* OEPA 2011000417

*Enquiries:* Mark Jefferies, 6467 5403

*Email:* [mark.jefferies@epa.wa.gov.au](mailto:mark.jefferies@epa.wa.gov.au)

Dear Mr Hazelden

**PROPOSAL:** Iron Valley Iron Ore Project  
**LOCALITY:** Shire of East Pilbara  
**PROPONENT:** Iron Ore Holdings Ltd  
**DECISION:** Assess: Assessment on Proponent Information (Assessment No. 1905)  
**PROCEDURE:** Category A – EPA-prepared scoping guideline

Thank you for your letter received 11 April 2012 regarding the above proposal and your confirmation that the proposal is proceeding. I note your comments in relation to the draft Scoping Guideline provided to Iron Ore Holdings Ltd in December 2011. The comments relate to providing clarification on the scope of environmental investigations, the extent to which cumulative impacts will be addressed, stakeholder consultation and a revised timeline for the assessment.

In relation to your comments about offsets the Environmental Protection Authority (EPA) is becoming increasingly concerned about the cumulative impacts in the Pilbara region from substantial mining and infrastructure development, the limited prospects for successful rehabilitation, and the effect of threatening processes such as grazing and fire. The lack of secure conservation tenure and the high likelihood of ongoing mining development in the area compound this issue.

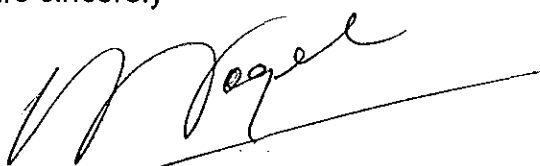
The EPA's Position Statement 9 and Guidance Statement 19 state that impacts to critical and high value assets are likely to require offsets, where those impacts are not considered to be environmentally unacceptable. Guidance Statement 19 refers to the need to consider cumulative impacts. Position Statement 9 identifies "low to moderate" assets as those assets that are not in "good to excellent" condition. As a result, impacts to native vegetation in "good to excellent" condition may require an offset, particularly when considered in a cumulative context.

I would encourage you to consult the Office of the EPA when you have identified the extent of the residual impacts of your proposal.

Attached is the EPA Prepared Scoping Guideline for the proposal. I understand you are well advanced with your investigations and note you intend to submit the Environmental Review at the end of August 2012.

If you have any queries about the assessment please contact the Project Officer Mr Doug Betts on telephone number 6467 5406

Yours sincerely

A handwritten signature in black ink, appearing to read 'P. Vogel', written over a horizontal line.

**Dr Paul Vogel**  
CHAIRMAN

2 July 2012

Encl. EPA prepared Scoping Guideline dated 2 July 2012

## EPA PREPARED SCOPING GUIDELINE

**PROPOSAL:** Iron Valley Iron Ore Project  
**LOCALITY:** Shire of East Pilbara  
**PROponent:** Iron Ore Holdings Ltd  
**DECISION:** Assess: Assessment on Proponent Information  
(Assessment No. 1905)  
**PROCEDURE:** Category A – EPA-prepared scoping guideline

The Environmental Protection Authority (EPA) has set the level of assessment on the above proposal as Assessment on Proponent Information (API) - Category A.

The procedure for an API - Category A is described in the *Environmental Impact Assessment - Administrative Procedures 2010*. This level of assessment provides for the assessment of a proposal where:

1. the proposal raises a limited number of significant environmental factors that can be readily managed, and for which there is an established condition-setting framework;
2. the proposal is consistent with established environmental policy frameworks, guidelines and standards;
3. the proponent can demonstrate that it has conducted appropriate and effective stakeholder consultation; and
4. there is limited, or local, interest only in the proposal.

You are required to prepare an Environmental Review (ER) document in accordance with this scoping guideline.

### Regional Context

The project area includes a section of Weeli Wolli Creek, a major Pilbara Drainage line which discharges to the Fortescue Marsh, a wetland of national significance. The riparian vegetation of Weeli Wolli Creek is important for maintaining water quality and the ecological function of this important waterway feeding into the Fortescue Marsh.

There are a number of existing and proposed mines in the local area impacting the Weeli Wolli Creek System, its hydrological regime and flora and

fauna values. It is expected that the ER will provide information on the cumulative impacts on the Weeli Wolli Creek System.

### **Key Environmental Factors**

The EPA has identified the following key environmental factors as being relevant to the proposal to be reported to the EPA in the ER.

**Ground and surface water** - the potential impact on the local and regional aquifers and surface water systems, including potential impacts on quantity and quality of groundwater and surface water.

EPA objective

- maintain the quality and quantity of surface water so that existing and potential uses, including ecosystem maintenance are protected; and
- maintain the integrity, ecological function and environmental values of watercourses to ensure that alterations to surface drainage do not adversely impact native vegetation or flow regimes.

**Vegetation and flora** – the potential impacts on vegetation communities, Threatened Ecological Communities, Priority Ecological Communities, groundwater and surface water dependent vegetation, Declared and Priority Flora species.

The EPA's environmental objectives for this factor is to:

- maintain the diversity, geographic distribution and productivity of flora at species and ecosystem levels through the avoidance or management of adverse impacts and improvement of knowledge.

**Fauna** – potential impacts on conservation significant fauna species and their habitats including troglafauna and stygofauna.

The EPA's environmental objective for this factor is to:

- maintain the abundance, species diversity, geographic distribution and productivity of terrestrial fauna at species and ecosystem levels through the avoidance or management of adverse impacts and the improvement of knowledge.

**Rehabilitation and Mine Closure** - final landforms including predictions about the final resting state of the pit (final water level, quality); predictions about the likely risk of acid and Metalliferous drainage and proposed management; and revegetation.

The EPA's environmental objectives for this factor are to:

- ensure that closure and rehabilitation achieves stable, non polluting and functioning landforms which are consistent with surrounding landscape and other environmental values; and
- ensure that self-sustaining native vegetation communities are returned after mining, which, in species composition and ecological function are close as possible to naturally occurring analogue sites.

The ER document should also succinctly identify any other potential environmental impacts and address the management of these impacts (a table is recommended). The ER document should provide sufficient confidence to the EPA that these factors will be able to be appropriately managed, including other relevant approvals that may be required.

The ER document will be made publically available when the EPA releases its report and recommendations, and must contain the following information:

- a. description of the proposal and alternatives considered, and provision of spatial datasets, information products and databases required;
- b. relevant information on the receiving environment and its conservation values in a regional and local setting;
- c. assessment of the limited number of key environmental factors to demonstrate, succinctly, that the proposed management, mitigation and offsets of the potential impacts of the proposal can meet the EPA's environmental objectives. The findings of any surveys and investigations undertaken to support this assessment should be included, with the technical reports provided as appendices;
- d. identification of other potential impacts or activities of the proposal that can be regulated by other government agencies, under other statutes and a commitment to complying with their requirements;
- e. details of the consultation process and outcomes. Proponents should identify in their documentation how issues raised during the stakeholder consultation have been responded to, and any subsequent adjustments made to their proposals;
- f. justified statement of how the object of the EP Act and Principles of EIA for the Proponent from the EPA's *Administrative Procedures 2010* have been addressed and how the proposal is consistent with established environmental policy frameworks, guidelines and standards.
- g. Provision of a completed checklist for documents submitted for EIA on terrestrial biodiversity, as detailed on the EPA website [www.epa.wa.gov.au](http://www.epa.wa.gov.au).

Once a satisfactory ER document is received the EPA will proceed to assess the proposal and provide an assessment report and recommendations to the



Minister for Environment in accordance with section 44 of the *Environmental Protection Act 1986* (EP Act).

The EPA considers that as a minimum, the following stakeholders should be consulted during the preparation of the ER document:

- Department of Environment and Conservation;
- Department of Water;
- Department of Mines and Petroleum;
- Department of Indigenous Affairs; and
- Shire of East Pilbara.
- Other mining companies.

#### **Policy Frameworks, Guidelines and Standards**

The EPA has identified the following policy framework, guidelines and standards that are likely to be relevant to your proposal and may provide guidance for preparation of the Environmental Review Document.

#### **EPA Guidance Statements and Environmental Assessment Guidelines:**

- Environmental Assessment Guideline No. 6 - Timelines for Environmental Impact Assessment of Proposal.
- EPA Guidance Statement No. 51 - Terrestrial Flora and Vegetation Surveys for Environmental Impact Assessment in Western Australia (June 2004).
- EPA Guidance Statement No. 56 - Terrestrial Fauna Surveys for Environmental Impact Assessment in Western Australia (June 2004).
- Technical guide - Terrestrial Vertebrate Fauna Surveys for Environmental Impact Assessment (September 2010).
- EPA Guidance Statement No. 6 - Rehabilitation of Terrestrial Ecosystems (June 2006).
- EPA Guidance Statement No. 20 - Sampling of Short Range Endemic Invertebrate Fauna for Environmental Impact Assessment in Western Australia (May 2009).
- EPA Guidance Statement No. 41 - Assessment of Aboriginal Heritage (April 2004).
- EPA Guidance Statement No. 54 - Consideration of Subterranean Fauna in Groundwater and Caves during EIA in WA. (December 2003).
- EPA Guidance Statement No. 54a - Sampling methods and survey considerations for subterranean fauna in Western Australia (August 2007).

- EPA and DMP *Guidelines for Preparing Mine Closure Plans* (June 2011).
- EPA Guidance Statement No. 19 – Environmental Offsets (September 2008).
- Environmental Protection Bulletin No. 1 - Environmental Offsets – Biodiversity (September 2008).
- Pilbara water in mining guideline (DoW, September 2009).

### **Target Timeframe for the Assessment**

Level of Assessment set as API: 5 September 2011

API Scoping Guideline issued July 2012

Proponent submits ER document and associated surveys:  
31 August 2012

EPA considers draft report (within 7 + 2 weeks from receipt of acceptable ER document): 1 November 2012

Consultation on Draft Conditions (2 weeks): ends 15 November 2012

EPA Publishes the Report (2 weeks)\*: 3 December 2012

Appeal period closes (2 weeks): 17 December 2012

\* Should the EPA require additional information, the report would be published 4 weeks from receipt of that information.



**Dr Paul Vogel**  
CHAIRMAN

2 July 2012

## THE CHECKLIST

### PART 1 – GENERAL QUALITY OF DOCUMENTS

Ensure that the following standard elements are present in all documentation (including appendices):

A clear and concise title that outlines basic information about the proposal and purpose of the document. ☒

Date and document revision number. ☒

Information identifying the document's author and publishing entity. ☒

All issues identified in a scoping guideline or scoping document have been addressed and covered in the report. ☒

Complete and correct tables of contents, maps, tables and figures. ☒

Suitably-sized scale maps placing the proposal into both a regional and local context. ☒

Figures, plates, maps, technical drawings or similar including scale bar, legend, informative caption, labels identifying important or relevant locations/features referred to in the document text. ☒

All survey site locations and derived data products (e.g. benthic habitat maps, vegetation maps) have been provided in map and appropriate GIS-based electronic database forms. ☒

All survey data from terrestrial biological surveys have been provided in electronic database form (Access/Excel). ☐ See cover letter

Proposed infrastructure is shown on scale maps and associated spatial data and are provided in an appropriate GIS-based electronic database form. ☐ See cover letter

A list of references that have been cross-checked to ensure that all references in the Reference list are cited in the text (and vice versa). ☒

All information based on 'expert' opinion/judgement are explicitly attributed, by name and qualification, to a person/s or organisation. ☒

Where relevant, appendices are attached to the main EIA document that describe the details of technical work undertaken to underpin the content of the main document, and explicitly attributed by name to the author/s and (if applicable) their organisation. ☒

Description(s) of the proposal are internally consistent throughout all documentation and are couched to allow potential environmental impacts to be placed in local and regional contexts, including cumulative impacts of existing and approved developments. ☒

Please identify relevant sections of the report in the box below.

THROUGHOUT API document

Descriptions of the local and regional environmental features most likely to be directly or indirectly affected by the proposal. ☒

Please identify relevant sections of the report in the box below.

ENVIRONMENT OVERVIEW CHAPTER: 5 as well as individual factor chapters 6, 7, 8, 9.

## Checklist for documents submitted for EIA on marine and terrestrial biodiversity

*This checklist is from Appendix 2 of the EPA's Draft Environmental Assessment Guideline No. 6 on Timelines for Environmental Impact Assessment of Proposals.*

### PURPOSE

It is hoped that this checklist will be useful to environmental consultants and proponents both during the proponent's initial project planning and environmental scoping process, and specifically in the final checking of documents they intend to submit to the Environmental Protection Authority (EPA) for environmental impact assessment (EIA). This checklist may be refined and reviewed periodically to refer to additional EPA guidance documents.

The purpose of this checklist is to provide the basis for consultants and proponents to conduct initial in-house screening of the quality of their EIA documents. The intent is to more clearly define a minimum standard for the fundamental elements of EIA documentation that is expected to be met before documents are submitted to the EPA. Meeting this minimum standard should, in turn, facilitate timely consideration of documents by the EPA.

The checklist has been set out in four parts. Part 1 addresses general elements of document quality. Parts 2 and 3 deal with key EIA requirements specific to marine and terrestrial biodiversity/marine water quality impacts respectively. Part 4 sets out the requirements for proponent certification of the checklist.

To confirm that each element has been addressed, proponents are asked to place a tick in the boxes provided. Where an element of the checklist is not relevant to the proposal, checking the box with "N/A" will be adequate.

A copy of this checklist certified by an appropriate proponent representative as complete and accurate must be lodged with EIA documentation submitted to the EPA. Completed checklists will be reviewed by the EPA when documents are lodged. **Incomplete or inaccurate checklists will be returned for proponents to address outstanding matters before the EPA will commence its review of EIA documents.**

It should be noted that the EPA's acceptance of a complete and accurate checklist simply indicates that basic requirements in terms of document quality and general comprehensiveness have been met. **The EPA's acceptance of the checklist does not imply adequacy of technical work or appropriateness of 'policy' application / interpretation.** These matters are reviewed in more detail later in the EIA process.



## PART 2 – MARINE ENVIRONMENTAL ISSUES

For proposals likely to impact on arid zone tropical mangroves in the Pilbara, the EIA document describes how potential impacts have been addressed in the context of Guidance Statement No.1 (April 2001).

☐ N/A

If applicable, please identify relevant sections of the report in the box below.

For proposals likely to impact on benthic primary producer habitat, the EIA document describes how potential impacts have been addressed in the context of Environmental Assessment Guideline No.3 (December 2009), including:

☐ N/A

- details of the measures taken to address the Overarching Environmental Protection Principles;
- scale benthic habitat maps showing the current extent and distribution of benthic habitats and the areas of habitat predicted to be lost if the proposal proceeds;
- descriptions of technical work (e.g. benthic habitat surveys) carried out to underpin the benthic habitat map (e.g. a technical appendix); and
- clearly set out calculations of cumulative loss.

☐ N/A

☐ N/A

☐ N/A

☐ N/A

If applicable, please identify relevant sections of the report in the box below.

For proposals that involve marine dredging activities, potential impacts have been addressed in the context of Environmental Assessment Guideline No. 7 (September 2011) to ensure that the predicted extent, severity and duration of impacts to benthic habitats are presented in a clear and consistent manner.

☐ N/A

If applicable, please identify relevant sections of the report in the box below.

For proposals that involve any type of waste discharge or disposal in State coastal waters between Mandurah and Yanchep, or off the Pilbara coast, potential impacts are couched in the context of the *State Environmental (Cockburn Sound) Policy 2005*, *Perth's Coastal Waters: Environmental Values and Objectives* (EPA, 2000), or *Pilbara Coastal Water Quality Project Consultation Outcomes* document (DoE, 2006) and relevant guidance provided in the *Australian and New Zealand Guidelines for Fresh and Marine Water Quality* (ANZECC/ARMCANZ, 2000).

If applicable, please identify relevant sections of the report in the box below.

For proposals that involve any type of waste discharge or disposal in State coastal waters outside of the areas described above, potential impacts are couched in the context of the guidance provided in the *State Water Quality Management Strategy Document No.6* (Government of WA, 2004) and the *Australian and New Zealand Guidelines for Fresh and Marine Water Quality* (ANZECC/ARMCANZ, 2000).

☐ N/A

If applicable, please identify relevant sections of the report in the box below.

☐ N/A

For proposals with potential to impact on an existing or proposed marine conservation reserve, potential impacts are couched in the context of the guidance provided in the relevant indicative or final Management Plan for the reserve on the advice of DEC or another designated management agency.

If applicable, please identify relevant sections of the report in the box below.

N/A

For proposals with light emissions likely to impact marine turtles, the potential impacts are addressed in the context of Environmental Assessment Guideline No. 5 (November 2010) to ensure acceptable avoidance and management approaches are in place. N/A

If applicable, please identify relevant sections of the report in the box below.

N/A

If numerical modelling has been carried out to inform the prediction of environmental impacts, the report(s) associated with this modelling, including the key assumptions, is (are) provided as a technical appendix.

If applicable, please identify the relevant appendix in the box below.

N/A

## PART 3 – TERRESTRIAL BIODIVERSITY ISSUES

For proposals with the potential to impact on areas of native vegetation, or other natural environments.

For proposals likely to impact on native flora and vegetation/plant communities, the EIA document describes how potential impacts have been addressed in the context of EPA Guidance Statement No. 51, *Terrestrial Flora and Vegetation Surveys for Environmental Impact Assessment* (June 2004), including:

- determining the level of flora and vegetation survey consistent with that expected in Table 3 of Guidance Statement No.51 (Appendix 2); ☒
- describing the survey area and methodologies, including reference to timing, duration, survey effort, any survey limitations, and the nomenclature used (WA Herbarium); ☒
- maps and text describing the survey area/plot sites, location of significant species, vegetation mapping, vegetation condition assessment and predicted extent of impact on the vegetation; ☒
- a comprehensive list of flora species identified and assessment of threatened, priority or other significant flora / ecological communities (TECs, PECs) known or reasonably expected to occur in the area (as defined in Guidance Statement 51); ☒
- evaluating the impact of the proposal on the species/communities, including reference to the extent of regional clearing of the vegetation complex/type and ecological linkage; and ☒
- All quadrat data used in reporting provided as electronic database in raw form, in addition to hardcopy reports. ☐ See cover letter

If applicable, please identify relevant sections of the report in the box below.

Chapter 7, 8 / Appendix C & D



For proposals likely to impact on terrestrial fauna or fauna habitat, the EIA document describes how potential impacts have been addressed in the context of EPA Guidance Statement No. 56, *Terrestrial Fauna Surveys for Environmental Impact Assessment* (June 2004) and *Technical Guide Terrestrial Fauna Surveys for Environmental Impact Assessment* (EPA and Department of Environment and Conservation 2010), including:

- determining the level of fauna survey consistent with that expected in Table 3 (Appendix 2) of Guidance Statement No. 56; ☒
- describing the survey methodologies in the context of EPA and DEC (2010), including reference to timing, duration and survey effort used to sample each of the fauna groups sampled, any survey limitations and the nomenclature used (WA Museum checklist except for birds which should follow Christidis and Boles 2008); ☒
- maps and text describing the survey area, sampling locations and fauna habitats; and ☒
- a comprehensive list and assessment of fauna known or reasonably expected to occur in the area, including Specially Protected and other significant fauna (as defined in Guidance Statement No. 56), and an evaluation of the impact of the proposal on the species and key habitat/s. ☒

If applicable, please identify relevant sections of the report in the box below.

Chapter 8, Appendix D

For proposals with the potential to impact on short range endemic (SRE) invertebrate fauna or SRE habitat, the EIA document describes how potential impacts have been addressed in the context of EPA Guidance Statement No. 20, *Sampling of Short Range Invertebrate Fauna for Environmental Impact Assessment in Western Australia* (May 2009), including:

- early initial assessment for restricted habitat types that have potential to support SRE fauna, including advice from the WA Museum and the DEC/OEPA. ☒
- maps and text describing the survey area, potential SRE habitats and regional context and extent of predicted impact on the habitat. ☒
- describing the survey methodologies, including reference to timing, duration and survey effort used to sample each of the SRE groups sampled, and any survey limitations. ☒
- a survey report with assessment of SRE fauna found or reasonably expected to occur in the area, including any Specially Protected and other significant fauna, their known occurrence/habitats locally and their wider status if known, and an evaluation of the risk of the proposal to long-term survival of the species and community. ☒

If applicable, please identify relevant sections of the report in the box below.

Chapter 8 + Appendix D

For proposals with the potential to impact on subterranean (stygo/fauna and trogl/fauna) fauna, the EIA document describes how potential impacts have been addressed in the context of EPA Guidance Statement No. 54 *Consideration of Subterranean Fauna in Groundwater and Caves during Environmental Impact Assessment in Western Australia* (2003) and 54a *Sampling Methods and Survey Considerations for Subterranean Fauna in Western Australia* (Draft 2007), including:

- early initial desktop review to determine if the site has potentially suitable geology /substrate habitat that could support subterranean fauna, including advice from the WA Museum and the DEC/OEPA and a pilot study, if appropriate; ☒
- a subterranean fauna survey report, if the site has a very high or high likelihood of supporting subterranean fauna, or a pilot study indicated that the site supports a significant subterranean fauna; ☒

- maps and text identifying and describing the survey sites/area, and the geology/ habitat supporting subterranean fauna, and extent of predicted impacts on the habitat (Note the survey area should extend beyond the predicted impact zone); ☒
- describing the survey methodologies (see Guidance Statement No. 54a), including reference to timing, duration and survey effort used to sample each of the fauna groups sampled, species identification, and any survey limitations; and ☒
- a comprehensive list and assessment of subterranean fauna recorded or reasonably expected to occur in the area, including any Specially Protected and other significant fauna and their known occurrence/habitats locally and their wider status if known, and an evaluation of the risk of the proposal to long-term survival of the species and community. ☒

If applicable, please identify relevant sections of the report in the box below.

*Chapter 8, Appendix D.*

### PART 4 – PROPONENT'S CERTIFICATION OF COMPLETENESS AND ACCURACY OF RESPONSES

Name

Michael Klvac

Position

Land Access and Approvals Manager

Signature



Date

04/10/2012