

## **Attachment A**

Cloncurry Heap Leach Copper Project, south of Cloncurry, Queensland (EPBC 2016/7773)

Additional information required for assessment by Preliminary Documentation

It has been determined that the proposed action is likely to have a significant impact on the following controlling provision which is protected under Part 3 of the EPBC Act:

- Sections 18 & 18A (listed threatened species and communities)

It has also been determined that the proposed action will be assessed by preliminary documentation. The information about the action and its relevant impacts, as outlined in the referral and in the additional information described below, will make up the required information.

### **General Content, Format and Style**

The preliminary documentation, which includes the referral information and the additional information described below, should be contained as one document with attachments, and include sufficient information to avoid the need to search for supplementary reports. **Appendix A.**

The documentation must enable interested stakeholders and the Minister to understand the environmental consequences of the proposed development on matters of national environmental significance (MNES). The information provided should be objective, clear and succinct and where appropriate, supported by maps, plans, diagrams or other descriptive detail.

Detailed technical information, studies or investigations necessary to support the main text should be included. It is recommended that any supporting documentation and studies, reports or literature, from which information has been extracted and which are not normally available to the public, be attached as appendices to the main document and made available at appropriate locations during the period of public display of the preliminary documentation. The proponent should also make the documentation and supporting information available on the internet.

If it is necessary to make use of material that is considered to be of a confidential nature, the proponent should consult with the Department of the Environment and Energy (the Department) on the preferred presentation of that material, before submitting the documents to the Minister for approval for publication.

The level of analysis and detail in the documentation should reflect the level of expected impacts on the environment. Any variables or assumptions made in the assessment must be clearly stated and discussed. The extent to which the limitations, if any, of available information may influence the conclusions of the environmental assessment should be discussed.

The documentation should be written so that any conclusions reached can be independently assessed. To this end, all sources must be appropriately referenced using the Harvard standard. The reference list should include the address of any internet "web" pages used as data sources.

The additional information should include a list of persons and agencies consulted and the names of, and work done by, the persons involved in preparing the documentation. **Section 1.1.**

Maps, diagrams and other illustrative material should be included where appropriate. The additional information should be produced on A4 size paper capable of being photocopied with maps and diagrams on A4 or A3 size and in colour where possible. The proponent should consider the format

and style of the document appropriate for publication on the internet. The capacity of the website to store data and display the material may have some bearing on how the document is constructed.

The additional information must include a copy of these guidelines and a table indicating where the information fulfilling the guidelines is included in the preliminary documentation. **This document with additional information request in Appendix A.**

## **Specific Content of the Additional Information**

### **1. Impact assessment**

The project is considered likely to impact on:

- Carpentarian Antechinus (*Pseudantechinus mimulus*)
- Ghost Bat (*Macroderma gigas*)

In order to undertake a robust assessment of these impacts, please provide the following:

- the survey effort and methodology undertaken to identify the ghost bat and its habitat; **Section 6.2**
- detailed and consistent mapping of the project site and of known and potential habitat for the above species; **Section 6.2 & Section 7.2 – note discussion in regards to Ghost Bat occurrence.**
- a summary of the habitat values which are relevant to the above species; **Section 6.2 & Section 7.3 – note discussion in regards to Ghost Bat occurrence.**
- the area in hectares (ha), quality and location of this habitat in relation to the disturbance area; **Section 6.2 & Section 7.3 – note discussion in regards to Ghost Bat occurrence;** and
- a discussion of the direct and indirect impacts on the above species as a result of the project. **Section 6.2 & Section 7.4 – note discussion in regards to Ghost Bat occurrence.**

The impacts, including direct, indirect and consequential to the above listed threatened species and their habitat must be assessed in accordance with the relevant departmental policy and guidelines. **Section 6.2 & Section 7.4 – note discussion in regards to Ghost Bat occurrence.**

### **2. Environmental outcomes:**

The preliminary documentation should provide information on the outcomes that the proponent will achieve for matters of national environmental significance. Outcomes need to be specific, measurable and achievable, and must be based on robust baseline data. Outcomes must be developed in consideration of the draft Outcomes-based Conditions Policy 2015 and Outcomes-based Conditions Guidance 2015, with suitable justification for considerations identified in the policy and guidance. **Section 7.7.**

To allow application of outcomes-based conditions, the preliminary documentation should include:

(a) The specific environmental outcomes to be achieved, and reasoning for these in reference to relevant Recovery Plans, Conservation Advices and Threat Abatement Plans. **Sections 7.0 & 7.4.**

(b) For each proposed outcome:

- a. the risks associated with achieving the outcome; **Section 7.6**
- b. the measurability of the outcome, including all suitable performance measures; **Section 7.7**
- c. appropriate baseline data upon which the outcome has been defined and justified; **Section 7 generally**
- d. the likely impacts that the proposed outcome will address; **Purpose of condition – section 7.7**
- e. demonstrated willingness and capability of achieving the outcome; **Company commitment Section 11**
- f. the level of knowledge about the protected matter or its surrogate, upon which outcomes were based; **Section 7 generally**

g. commitments to independent and periodic audits of performance towards achieving outcomes;

**Section 7.7.6**

h. assessment of the likely level of control that the proponent will have over achieving the outcome;

**Section 7.5 noting existing system controls**

i. discussion of the appropriateness of any surrogates for protected matter outcomes; **Section 7.7.2;**  
and

j. details of proposed management to achieve the outcome, including, but not limited to performance indicators, periodic milestones, proposed monitoring and adaptive management, and record keeping, publication and reporting processes. **Sections 7.7.1, 7.7.2, 7.7.3, 7.7.4, 7.7.5 & 7.7.6.**

**3. Alternatives to the proposal Section 9**

This section must describe, to the extent reasonably practicable, any prudent and feasible alternatives to the action. For each alternative, the proponent must provide the project details, impacts (positive and negative), location, scale, configuration and staging options. Sufficient detail must be provided to make clear why any alternative is preferred to another.

**4. Avoidance, safeguards and mitigation measures Section 7.5**

The preliminary documentation must provide information on proposed safeguards and mitigation measures to address the relevant impacts of the action. Specific and detailed descriptions of proposed measures must be provided and substantiated, based on best available practices and must include the following elements.

(a) A consolidated list of mitigation measures proposed to be undertaken to avoid, minimise and manage relevant impacts of the action, including: **Section 7.5**

- a description of proposed safeguards and mitigation measures to address relevant impacts of the action, including mitigation measures proposed to be taken by State governments, local governments and the proponent;
- assessment of the expected or predicted effectiveness of the mitigation measures; and
- any statutory or policy basis for the mitigation measures.

(b) A draft Environmental Management Plan (EMP) that sets out the framework for management, mitigation and monitoring of relevant impacts of the action, including any provisions for independent environmental auditing.

The EMP needs to address the project phases (construction, operation, decommissioning) separately. It must state the environmental objectives, performance criteria, monitoring, reporting, corrective action, responsibility and timing for each environmental issue. **Sections 1.2 & 7.7**

The EMP must be prepared in accordance with the Department's Environmental Management Plan Guidelines (2014). <http://www.environment.gov.au/epbc/publications/environmental-management-plan-guidelines>

(c) The name of the agency responsible for endorsing or approving each mitigation measure or monitoring program. ??

(d) How these measures align with relevant conservation agreements, threat abatement plans and recovery plans. **Sections 7.0 & 7.4.**

**5. Cumulative impacts Section 10**

The preliminary documentation must identify and address potential and likely cumulative impacts resulting from the project. Cumulative impacts include where potential project impacts are in addition to existing impacts of other activities (including known potential future expansions or developments by the proponent and other proponents in the vicinity). Where relevant to the potential impact, risk assessment must be conducted and documented. The risk evaluation must include known potential future expansions or developments by the proponent and other proponents in the vicinity of the proposed action.

#### **6. Offsets **Section 8****

The preliminary documentation must include an assessment of the likelihood of residual significant impacts occurring, after mitigation and management measures relating to the project have been applied. If residual significant impacts to listed threatened species and communities are determined likely, please provide:

(a) details of an offset package proposed to be implemented to compensate for the residual significant impacts of the project; and

(b) an analysis of how the offset meets the requirements of the Department's Environmental Protection and Biodiversity Conservation Act 1999 Environmental Offsets Policy October 2012 (EPBC Act Offset Policy) (<http://www.environment.gov.au/epbc/publications/epbc-act-environmental-offsets-~>).

Offsets required by the State/Territory can be applied if the proposed offsets meet the Department's EPBC Act Environmental Offset Policy.

#### **7. Ecologically Sustainable Development (ESD): **Section 15****

Please include a brief discussion of how the proposal will conform to the principles of Ecological Sustainable Development. To assist you, the National Strategy for Ecologically Sustainable Development (1992) is available on the following web site:  
<http://www.environment.gov.au/resource/national-strategy-ecologically-sustainable-development>.

#### **8. Environmental record of person(s) proposing to take the action: **Section 11****

Please include details of any past or present proceedings under a Commonwealth, State or Territory law for the protection of the environment or the conservation and sustainable use of natural resources against:

(a) the person proposing to take the action; and

(b) for an action for which a person has applied for a permit, the person making the application.

#### **9. Economic and social matters: **Section 16****

The economic and social impacts of the action, both positive and negative, must be analysed. Matters of interest may include:

(c) details of any public consultation activities undertaken, and their outcomes;

(d) projected economic costs and benefits of the project, including the basis for their estimation through cost/benefit analysis or similar studies;

(e) employment opportunities expected to be generated by the project (including construction and operational phases).

Economic and social impacts should be considered at the local, regional and national levels. Details of the relevant cost and benefits of alternative options to the proposed action, as identified in section 3 above, should also be included.