



Works Approval

Environmental Protection Act 1986, Part V

Works Approval Holder: Iluka Resources Limited

Works Approval Number: W5299/2012/1

Registered office: Level 23, 140 St Georges Terrace
PERTH WA 6000

ACN: 008 675 018

Premises address: Iluka and Tronox Mining Accommodation Camps
Cataby Road
CATABY WA 6507
Being part of Lot M2065 on Plan 6206 and part of Lot M2080 on Plan 6269,
as depicted in Schedule 1.

Issue date: Thursday, 28 February 2013

Commencement date: Monday, 4 March 2013

Expiry date: Sunday, 3 September 2017

The following category/s from the *Environmental Protection Regulations 1987* cause this Premises to be a prescribed premises for the purposes of the *Environmental Protection Act 1986*:

Category number	Category description	Category production or design capacity	Approved premises production or design capacity
54	Sewage facility: premises – (a) on which sewage is treated (excluding septic tanks); or (b) from which treated sewage is discharged onto land or into waters.	100 m ³ or more per day	180 m ³ per day

Conditions

This Works Approval is subject to the conditions set out in the attached pages.

Date signed: 3 March 2016

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Tim Gentle
Manager Licensing – Resource Industries
Officer delegated under section 20
of the *Environmental Protection Act 1986*



Works Approval Conditions

1 General

1.1 Interpretation

1.1.1 In the Works Approval, definitions from the *Environmental Protection Act 1986* apply unless the contrary intention appears.

1.1.2 In the Works Approval, unless the contrary intention appears:

'Act' means the *Environmental Protection Act 1986*;

'CEO' means Chief Executive Officer of the Department of Environment Regulation;

'CEO' for the purpose of correspondence means;

Chief Executive Officer
Department administering the *Environmental Protection Act 1986*
Locked Bag 33
CLOISTERS SQUARE WA 6850
Email: info@der.wa.gov.au;

'Premises' means the area defined in the Premises Map in Schedule 1 and listed as the Premises address on page 1 of the Works Approval;

'Schedule 1' means Schedule 1 of [this](#) Works Approval unless otherwise stated;

'Works Approval' means this Works Approval numbered W5299/2012/1 and issued under the Act; and

'Works Approval Holder' means the person or organisation named as the Works Approval Holder on page 1 of the Works Approval.

1.1.3 Any reference to an Australian or other standard in the Works Approval means the relevant parts of the standard in force from time to time during the term of this Works Approval.

1.1.4 Any reference to a guideline or code of practice in the Works Approval means the current version of the guideline or code of practice in force from time to time, and shall include any amendments or replacements to that guidelines or code of practice made during the term of this Works Approval.



1.2 General conditions

- 1.2.1 The Works Approval Holder shall construct the works in accordance with the documentation detailed in Table 1.2.1:

Table 1.2.1: Construction Requirements ¹		
Document	Parts	Date of Document
Works Approval Application Form	All	14 May 2012
<i>Cataby Camps Iluka and Tiwest: Works Approval Application Supporting Information</i> , prepared by Iluka Resources Ltd	All, including diagrams and appendices	April 2012
<i>Nutrient Irrigation Calculations</i> , prepared by Iluka Resources Ltd		19 September 2012
<i>Iluka Single Persons Quarters WWTP Nutrient Irrigation Management Plan (Revision 2)</i> , prepared by SKM Pty Ltd		28 September 2012
<i>Relocation of existing Tronox Single Persons Quarters WWTP Nutrient Irrigation Management Plan (Revision 2)</i> , prepared by SKM Pty Ltd		27 September 2012

Note 1: Where the details and commitments of the documents listed in condition 1.2.1 are inconsistent with any other condition of this works approval, the conditions of this works approval shall prevail.

2 Information

2.1 Reporting

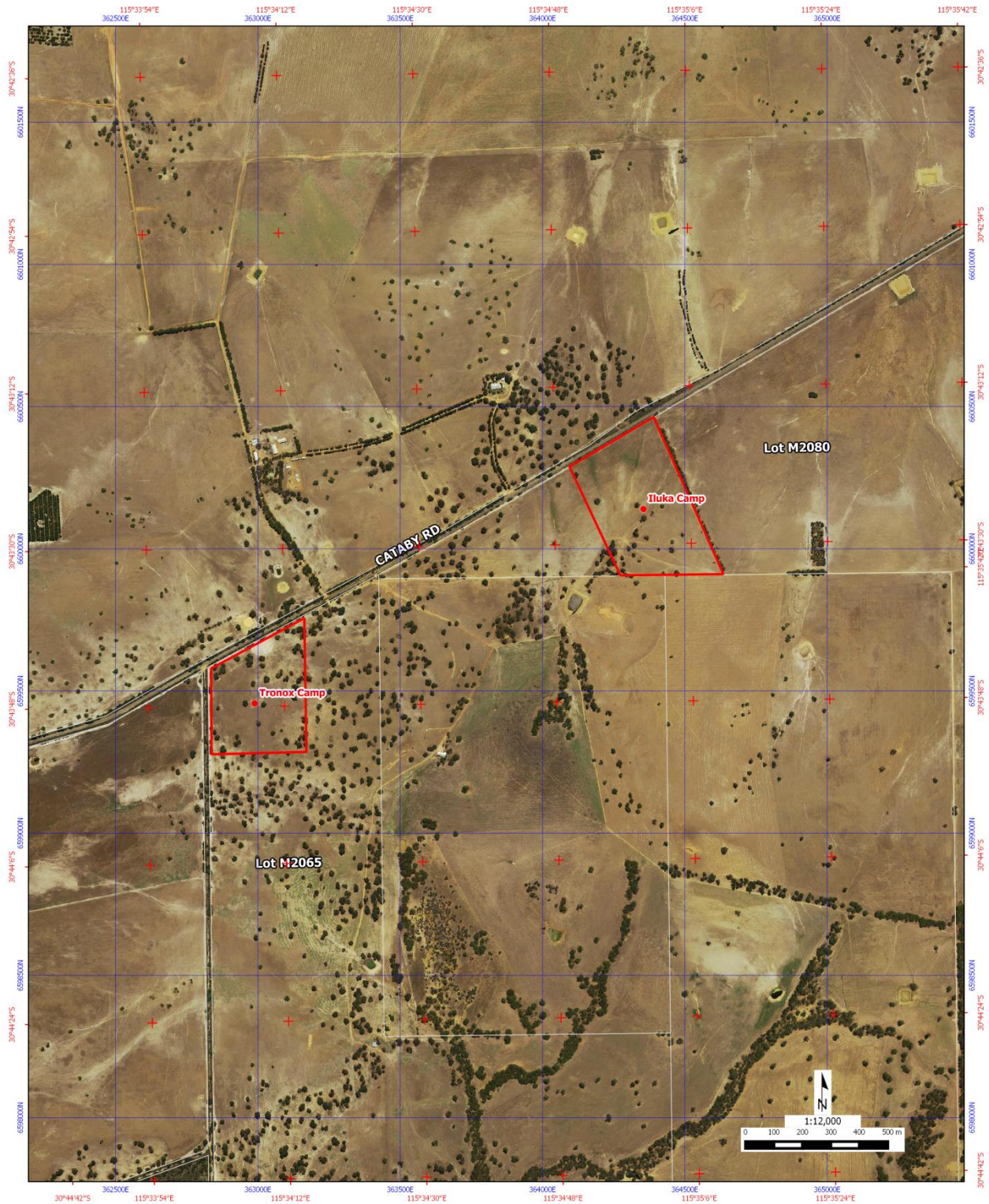
- 2.1.1 The Works Approval Holder shall submit a compliance document to the CEO, following the construction of the works and prior to commissioning of the same.
- 2.1.2 The compliance document shall:
- (a) certify that the works were constructed in accordance with the conditions of the works approval; and
 - (b) be signed by a person authorised to represent the Works Approval Holder and contain the printed name and position of that person within the company.



Schedule 1: Maps

Premises map and map of monitoring locations

The Premises is shown in the map below. The red line depicts the Premises boundary.





Decision Document

Environmental Protection Act 1986, Part V

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Decision

Based on the assessment detailed in this document the Department of Environment Regulation (DER), has decided to issue an amended works approval. DER considers that in reaching this decision, it has taken into account all relevant considerations and that the amended Works Approval and its conditions will ensure that an appropriate level of environmental protection is provided.

Decision Document prepared by: Daniel Hartnup
Licensing Officer

Decision Document authorised by: Tim Gentle
Delegated Officer



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1 Purpose of this Document

This decision document explains how DER has assessed and determined the application and provides a record of DER's decision-making process and how relevant factors have been taken into account. Stakeholders should note that this document is limited to DER's assessment and decision making under Part V of the *Environmental Protection Act 1986*. Other approvals may be required for the proposal, and it is the proponent's responsibility to ensure they have all relevant approvals for their Premises.

2 Administrative summary

Administrative details		
Application type	Works Approval <input type="checkbox"/> New Licence <input type="checkbox"/> Licence amendment <input type="checkbox"/> Works Approval amendment <input checked="" type="checkbox"/>	
Activities that cause the premises to become prescribed premises	Category number(s)	Assessed design capacity
	54: Sewage facility	180 m ³ /day (2 x 90 m ³ /day plants)
Application verified	Date: N/A	
Application fee paid	Date: N/A	
Works Approval has been complied with	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
Compliance Certificate received	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
Commercial-in-confidence claim	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Commercial-in-confidence claim outcome		
Is the proposal a Major Resource Project?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Was the proposal referred to the Environmental Protection Authority (EPA) under Part IV of the <i>Environmental Protection Act 1986</i> ?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Referral decision No: Managed under Part V <input type="checkbox"/> Assessed under Part IV <input type="checkbox"/>
Is the proposal subject to Ministerial Conditions?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Ministerial statement No: EPA Report No:
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the <i>Environmental Protection Act 1986</i>)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Department of Water consulted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is the Premises within an Environmental Protection Policy (EPP) Area?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	



3 Executive summary of proposal and assessment

Iluka Resources Ltd (Iluka) proposes to construct two wastewater treatment plants at accommodation villages on adjacent lots. The first village is for Iluka's proposed Cataby Mineral Sands Mine; the second is for an existing village operated by Tronox Management Pty Ltd (Tronox) for their Coolarjloo Mineral Sands Mine, which requires relocation due to the construction of the Cataby mine. Both villages will operate wastewater treatment plants with a maximum capacity of 90 m³/day and are expected to be operated under separate registrations once the works are completed.

Works Approval W5299/2012/1 was issued to Iluka in 2013, with an expiry in 2016. Iluka has requested an extension of the expiry to 2019, as construction works have not yet commenced. DER has reviewed the proposal and is satisfied there has been no significant changes to the originally approved proposal, and that the works approval can be extended to align with the development approval issued by the Wheatbelt Joint Development Assessment Panel (JDAP).



4 Decision table

All applications are assessed in line with the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1987* and DER's Operational Procedure on Assessing Emissions and Discharges from Prescribed Premises. Where other references have been used in making the decision they are detailed in the decision document.

DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Works Approval Duration	N/A	The works approval expiry has been extended to align with the development approval issued by JDAP (expiry 3 September 2017), as construction works have not yet commenced and it is unlikely to be completed prior to the current expiry. No significant changes have been made to the original proposal.	

5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
04/01/2016	Comments sought from Shire of Dandaragan	Planning consent for the project was renewed in 2014 for a further 3 years by the Wheatbelt Joint Development Assessment Panel (expiry 3 September 2017).	Works approval has been extended to align with expiry of the planning consent.
10/02/2016	Proponent sent a copy of draft instrument	Proponent questioned expiry date, which was not 3 years.	Advised the expiry has been aligned with the JDAP planning consent.



6 Risk Assessment

Note: This matrix is taken from the DER Corporate Policy Statement No. 07 - Operational Risk Management

Table 1: Emissions Risk Matrix

Likelihood	Consequence				
	Insignificant	Minor	Moderate	Major	Severe
Almost Certain	Moderate	High	High	Extreme	Extreme
Likely	Moderate	Moderate	High	High	Extreme
Possible	Low	Moderate	Moderate	High	Extreme
Unlikely	Low	Moderate	Moderate	Moderate	High
Rare	Low	Low	Moderate	Moderate	High