



<b>Licence Number</b>	L6820/1993/12
<b>Licensee</b>	Robe River Mining Co Pty Ltd
<b>ACN</b>	008 694 246
<b>File Number:</b>	DER2014/000766
<b>Premises</b>	Mesa J and K Iron Ore Mine FORTESCUE WA 6716 Being Mining Lease AML248SA
<b>Date of Amendment</b>	18 January 2018

## Amendment

The Chief Executive Officer (CEO) of the Department of Water and Environmental Regulation (DWER) has amended the above Licence in accordance with section 59 of the *Environmental Protection Act 1986* (EP Act) as set out in this Amendment Notice. This Amendment Notice constitutes written notice of the amendment in accordance with section 59B(9) of the EP Act.

Date signed: 18 January 2018

**Alana Kidd**

**MANAGER LICENSING – RESOURCE INDUSTRIES**

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

# Definitions and interpretation

## Definitions

In this Amendment Notice, the terms in Table 1 have the meanings defined.

**Table 1: Definitions**

Term	Definition
ACN	Australian Company Number
Amendment Notice	refers to this document
Category/ Categories/ Cat.	categories of Prescribed Premises as set out in Schedule 1 of the EP Regulations
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department Administering the <i>Environmental Protection Act 1986</i> Locked Bag 33 Cloisters Square PERTH WA 6850 <a href="mailto:info-der@dwer.wa.gov.au">info-der@dwer.wa.gov.au</a>
Delegated Officer	an officer under section 20 of the EP Act
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V, Division 3 of the EP Act.
DWER	Department of Water and Environmental Regulation
EP Act	<i>Environmental Protection Act 1986</i> (WA)
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA)
Licensee	Robe River Mining Co Pty Ltd
Occupier	has the same meaning given to that term under the EP Act.
Prescribed Premises	has the same meaning given to that term under the EP Act.
Premises	refers to the premises to which this Decision Report applies, as specified at the front of this Decision Report.
Risk Event	as described in <i>Guidance Statement: Risk Assessment</i>

## Amendment Notice

This amendment is made pursuant to section 59 of the *Environmental Protection Act 1986* (EP Act) to amend the Licence issued under the EP Act for a prescribed premises as set out below. This notice of amendment is given under section 59B(9) of the EP Act.

This notice is limited only to an amendment for Categories 5, 12 and 64. No changes to the aspects of the original Licence relating to Categories 6 or 61A have been requested by the Licensee.

### Amendment description

Robe River Mining Co Pty Ltd (Licensee) has applied for an amendment to licence L6820/1993/12 for the Mesa J and K Iron Ore Mine. The amendment application pertains to the following:

- Addition of the Mesa J Secondary Sizer constructed under works approval W5634/2014/1;
- Addition of TSF5 Stage 2 monitoring bores constructed under W5535/2013/1;
- Re-categorisation and expansion of the current Category 63 Inert Landfill to a Category 64 Waste Dump Landfill; and
- Addition of Category 12 to allow for the use of a Mobile Crushing and Screening Plant.

No changes to the production or design capacities have been requested by the Licensee.

### Process Description

Under the proposed amendment, the Licensee proposes the following changes to the Licence.

#### **Category 5 – Operation of the Secondary Sizer (SKM, 2014)**

A Run of Mine (ROM) pad, ore crushing facility and sized ore stockpiling facility have been constructed under works approval W5634/2014/1. The plant will size ore to a target nominal size of 170mm and a maximum size of 200mm.

The components of the plant include:

- ROM wall;
- ROM hopper;
- Sizer and apron feeder;
- Conveyor systems and chutes;
- Structural steelwork; and
- Electrical power; and instrumentation and control systems.

Inputs to the plant consist of:

- Primary crushed and processed material from processing plants 1 and 2;
- ROM material;
- Water for dust suppression and wash down; and
- 33kV power supply.

The secondary sizer is to ensure that the product is sized to meet the Cape Lambert car dumper requirements.

The power unit contains hydraulic oil which has been constructed in “*purpose built*”

containment bunds” (RTIO-HSE-0245896).

Compliance documentation for the secondary sizer was received on 22 December 2014 (RTIO-HSE-0245896). The secondary sizer was constructed in accordance with works approval W5634/2014/1.

### Category 5 – TSF5 (Rio Tinto, 2017)

The construction and operation of TSF 5 was assessed under works approval W5535/2013/1. The TSF was constructed in two stages:

Stage 1 – widening of embankment 1 from the eastern end to the final process plant 1 tailings spigot, and raising the Southern Ramp to a minimum crest of 160.5 metres above ground level.

Stage 2 – raising of embankment 2 to 162.5 metres above ground level and raising embankment 4 to a minimum crest of 160.5 metres above ground level.

Compliance documentation for Stage 1 was received on 28 November 2014 (RTIO-HSE-0243188). Compliance documentation for Stage 2 was received on 3 June 2016).

Both stages were constructed in accordance with works approval W5535/2013/1.

Monitoring bores have been installed for TSF5. The groundwater monitoring bores and the Licensee’s proposed monitoring parameters are listed in Table 2 below.

**Table 2: Proposed groundwater monitoring bores and parameters Mesa J TSF 5**

Monitoring Site	Parameter (units)	Frequency
TSF 5		
MB14MEJ004	Depth to water	Quarterly
MB14MEJ005	pH	
MB14MEJ006	Electrical Conductivity - $\mu\text{S/cm}$ Total Hardness ( $\text{CaCO}_3$ ) (mg/L) Major ions (mg/L) Na, K, Ca, Cl, Mg, $\text{SO}_4$ Metals (mg/L)	Annually

The Licensee has requested the groundwater monitoring to be included in the Licence. In addition to this, the Licensee has requested that the reference to TSF 2 be changed to TSF4 due to the facility name change.

### Category 12 – Mobile crushing and screening

The Licensee has requested the addition of Category 12 – screening etc. of material with a production capacity of 10,000,000 tonnes per year. The Licensee proposes to manage the mobile plant in accordance with the Licensee’s *Iron Ore (WA) Mobile Crushing & Screening Management Plan 2015* (RTIO-HSE-0235877).

## Other approvals

The Licensee has provided the following information relating to other approvals as outlined in Table 3.

**Table 3: Relevant approvals**

Legislation	Number	Approval
Part IV of the <i>Environmental Protection Act 1986</i>	Ministerial Statement 208 (MS 208)	The infrastructure to be included in the Licence is located within MS 208 footprint.
<i>Iron Ore (Robe River) Agreement Act, 1964</i>	AML248SA	The Premises boundary is located wholly within tenure pursuant to the <i>Iron Ore (Robe River) Agreement Act 1964</i> .

## Amendment history

Table 4 provides the amendment history for L6820/1993/12.

**Table 4: Licence amendments**

Instrument	Issued	Amendment
L6820/1993/12	18/01/2018	Amendment Notice 1: <ul style="list-style-type: none"> <li>• Authorisation of the Mesa J Secondary Sizer constructed under works approval W5634/2014/1;</li> <li>• Addition of TSF5 Stage 2 monitoring bores constructed under W5535/2013/1;</li> <li>• Re-categorisation and expansion of the current Category 63 Inert Landfill to a Category 64 Waste Dump Landfill;</li> <li>• Addition of Category 12 to allow for the use of a Mobile Crushing and Screening Plant; and</li> <li>• Other administrative amendments.</li> </ul>

## Location and receptors

Table 5 below lists the relevant sensitive land uses in the vicinity of the Prescribed Premises which may be receptors relevant to the proposed amendment.

**Table 5: Receptors and distance from activity boundary**

Residential and sensitive premises	Distance from Prescribed Premises
Town of Pannawonica	Approximately 14 km from the Premises.
Yalleen pastoral lease	Borders the premises boundary to the east. Pastoral lease is held by Robe River Mining Co Pty Ltd. The Yalleen homestead is located 17 km from the closest processing plant.
Yarraloola	Borders the premises boundary to the west. Pastoral lease is held by Robe River Mining Co Pty Ltd. Yarraloola homestead is located approximately 43 KM from the closest processing plant.

Table 6 below lists the relevant environmental receptors in the vicinity of the Prescribed Premises which may be receptors relevant to the proposed amendment.

**Table 6: Environmental receptors and distance from activity boundary**

Environmental receptors	Distance from Prescribed Premises
Priority fauna	No priority fauna is located within the footprints of TSF 5, the Mesa J Sizer or the waste dump landfill. The closest Priority fauna are located approximately 800 m from the TSF.
Priority flora	There is no priority flora located within 10 km from each facility.
Mesa J escarpment - Threatened Ecological Sites (TES) 50 km buffer	Activities are located within the TES buffer but all activities are located within already disturbed areas.
Surface water systems	No surface water systems are located in the footprint of TSF 5, the Mesa J Sizer or the waste dump landfill. The closest watercourse is 200 m from the Mesa J Sizer (Jimmawurrada Creek).  The Premises is located in a designated surface water area proclaimed under the <i>Rights in Water and Irrigation Act 1914</i> (RIWI Act).
Groundwater	Bore data extracted from the WIN database indicates that the depth to groundwater is between 8-25 metres below ground level (mbgl).  The Premises is located in a designated groundwater area proclaimed under the RIWI Act.
Bungaroo Creek Public Drinking Water Source Area	11 km south of TSF 5, more than 900 metres from the waste dump landfill, approximately 200 metres from the secondary sizer.

## Risk assessment

TSF 5 and the secondary sizer have been assessed for construction and operation under works approvals W5535/2013/1 and W5634/2014/1 respectively. The operation of these facilities will not be reassessed here.

DWER intends to undertake a detailed risk review of the Licence to align the Licence with the risk based Regulatory Framework in the future. The full risk based review will incorporate these amendments into the Revised Licence.

Tables 7 and 8 below describe the Risk Events associated with the amendment consistent with the *Guidance Statement: Risk Assessments*. Both tables identify whether the emissions present a material risk to public health or the environment, requiring regulatory controls.

**Table 7: Risk assessment for proposed amendments during construction**

Source/Activities		Risk Event				Consequence rating	Likelihood rating	Risk	Reasoning
		Potential emissions	Potential receptors	Potential pathway	Potential adverse impacts				
Cat 64 Putrescible landfill	Construction of landfill trenches	Dust: associated with construction of landfill facility	No residents or sensitive receptors in close proximity	Air: Particulate matter (dust)	Health and amenity impacts	Slight	Rare	Low	The closest sensitive receptor is the town of Pannawonica, located approximately 14 km from the Premises. The distance is considered too great for dust impacts to occur; therefore the risk has been determined as <b>low</b> .
		Noise: associated with construction activities and vehicle movement	No residents or sensitive receptors in close proximity	Air: Noise generated through the operation of equipment	Health and amenity impact	Slight	Rare	Low	The closest sensitive receptor is the town of Pannawonica, located approximately 14 km from the Premises. The distance is considered too great for noise impacts to occur; therefore the risk has been determined as <b>low</b> .
		Waste: Associated with leaks and spills of hydrocarbons	Surrounding soils	Direct Discharge	Localised contamination of soils	Slight	Rare	Low	No additional hydrocarbon storage is required for the construction of the landfill site. Any spillage from vehicle tanks will be of a low volume, therefore the risk from leaks and spills of hydrocarbons during construction is considered to be <b>low</b> .

**Table 8: Risk assessment for proposed amendments during operation**

Risk Event					Consequence rating	Likelihood rating	Risk	Reasoning	
Source/Activities	Potential emissions	Potential receptors	Potential pathway	Potential adverse impacts					
Cat 64 Putrescible landfill	Operation of waste dump landfill	Dust: Associated with stockpiled cover material, vehicle movement and covering activities	No residents or sensitive receptors in close proximity  No priority flora in close proximity	Air: Particulate matter (dust)	Health and amenity impacts  Impacts to vegetation	Slight	Rare	Low	The closest sensitive receptor is the town of Pannawonica, located approximately 14 km from the premises. There is no priority flora in close proximity. The distance is considered too great for dust impacts to occur; therefore the risk has been determined as <b>low</b> .
		Noise: Associated with vehicular movement and covering activities	No residents or sensitive receptors in close proximity	Air: Particulate matter (dust)	Health and amenity impacts	Slight	Rare	Low	The closest sensitive receptor is the town of Pannawonica, located approximately 14 km from the Premises. The distance is considered too great for noise impacts to occur; therefore the risk has been determined as <b>low</b> .
		Waste: Associated with leaks and spills of hydrocarbons	Surrounding soils	Direct discharge	Localised contamination of soils	Slight	Rare	Low	No additional hydrocarbon storage is required for the operation of the landfill site. Any spillage from vehicle tanks will be of a low volume, therefore the risk from leaks and spills of hydrocarbons during operation is considered to be <b>low</b> .
		Waste: Seepage of leachate generated within the waste dump landfill	Underlying groundwater	Infiltration through the soil profile to the water table	Contamination of underlying groundwater	Slight	Unlikely	Low	Wood will degrade slowly compared to food waste which readily decays. Noting the depth to groundwater (10 mbgl) and the low potential for leachate generation due to the types of waste to be disposed and the arid environment, impacts to groundwater are considered to be <b>low</b> .



Risk Event					Consequence rating	Likelihood rating	Risk	Reasoning	
Source/Activities	Potential emissions	Potential receptors	Potential pathway	Potential adverse impacts					
Cat 12 Screening etc. of material	Operation of mobile crushing and screening plant in accordance with RTIO-HSE-0235877	Dust: Associated with screening activities and movement of stockpiles.	No residents or sensitive receptors in close proximity  No priority flora in close proximity	Air: Particulate matter (dust)	Health and amenity impacts  Impacts to vegetation	Slight	Rare	Low	The closest sensitive receptor is the town of Pannawonica, located approximately 14 km from the premises. There is no priority flora in close proximity. The distance is considered too great for dust impacts to occur; therefore the risk has been determined as <b>low</b> .
		Noise: Associated with screening activities and vehicular movement	No residents or sensitive receptors in close proximity	Air: Particulate matter (dust)	Health and amenity impacts	Slight	Rare	Low	The closest sensitive receptor is the town of Pannawonica, located approximately 14 km from the Premises. The distance is considered too great for dust impacts to occur; therefore the risk has been determined as <b>low</b> .
		Waste: Associated with leaks and spills of hydrocarbons	Surrounding soils	Direct discharge	Localised contamination of soils	Slight	Rare	Low	No additional hydrocarbon storage is required for the screening plant. Any spillage from tanks will be of a low volume, therefore the risk from leaks and spills of hydrocarbons during operation is considered to be <b>low</b> .

## Decision

The Department has considered the amendment application and has undertaken the changes to the Licence as detailed below. DWER intends to undertake a detailed risk review of the Licence to align the Licence with the risk based Regulatory Framework in the future. The full risk based review will incorporate these amendments into the Revised Licence.

### Administrative changes to Licence

The following administrative changes have been made to the Licence:

- The Licensee's contact details have been updated to reflect the current registered business address of Robe River Mining Co Pty Ltd.
- A table describing the prescribed premises categories (including capacities) authorised by the licence has been included in the Licence. Category 12 has been included as a prescribed activity.
- Some definitions have been amended, deleted or added to the Licence.
- The Annual Audit Compliance Report template has been deleted from the Licence. The Licensee is now required to use the template available from the Department's website.
- The parameter *Total Petroleum Hydrocarbons* has been changed to *Total Recoverable Hydrocarbons* in Table 2 (condition 19) of the Licence.

### Tailings Storage Facilities

Condition 14(a) (formerly 14) has been amended to update the condition to reflect the disposal of tailings in the current TSFs. The current TSFs are TSF 3, TSF 4 and TSF 5. The status of current and former TSFs at Mesa J are described below:

- TSF 1 capacity is exhausted and has therefore been removed from the licence via this amendment (RTIO-HSE-0199624).
- TSF2 has been renamed as TSF4 (RTIO-HSE-0199624).
- TSF 2.5 is not listed on the current Licence. The capacity of this facility is exhausted and was covered in waste rock in 2017.
- TSF5 has been constructed under Works Approval W5535/2013/1. The footprint of the TSF is within TSF 3 south and Pit 5 south. The construction and operation of TSF5 was assessed at the time of the works approval and has not been reassessed here.
- TSF 3 north has remaining capacity and is now named TSF3. This is to remain on the Licence.

Condition 14(b) authorises the disposal of tailings within TSF3, TSF4 and TSF5 as depicted in Schedule 1 maps.

Condition 14(c) contains the groundwater monitoring requirements for TSF3, TSF4 and TSF5. The Licensee's proposed monitoring parameters for TSF5 have been expanded to include Ni, Co, Mn, Se, B, Hg, Mo, Sb, Zn and Tl for all facilities. The regional groundwater flow is to the north-west (RTIO, 2016).

### Mesa J Secondary Sizer and Mobile Crushing and Screening Plant

The existing conditions of the Licence are considered adequate to manage emissions from the Secondary Sizer authorised under Works Approval W5634/2014/1 at this time. Due to the mobile nature of the mobile screening plant, condition 30 has been included in the Licence which is adopted from the *Iron Ore (WA) Mobile Crushing & Screening Management Plan* (RTIO-HSE-0235877).

## Waste Dump Landfill

Condition 23(a) (formerly 23) has been amended to include authorisation of the disposal of Inert Waste Type 2 as well as Putrescible Waste. The landfill is already used to dispose of rubber which is classified as Inert Waste Type 2. The addition of putrescible waste disposal is for wooden pallets only. This requirement is specified in condition 23(a). Condition 23(b) requires the Licensee to cover the waste dump landfill at the completion of activities.

## Licensee's comments

The Licensee was provided with the draft Amendment Notice on 5 January 2018. The Licensee responded on 17 January 2018 to waive the consultation period and requested that the amendment is issued.

## Amendment

1. The Licensee and occupier details are amended by the deletion of the text shown in strikethrough below and the insertion of the bold text shown in underline below

**LICENSEE AND OCCUPIER:**

Robe River Mining Co Pty Ltd  
Level ~~24~~ **27**, Central Park  
152-158 St Georges Terrace  
PERTH WA 6000  
ACN: 008 694 246

2. The Licence is amended by the deletion of the text shown in strikethrough below and the insertion of the bold text shown in underline below

**Table 1: Categories under which the Mesa J and K Iron Ore Mine is prescribed**

<b><u>Category No.</u></b>	<b><u>Category Name</u></b>
<del>5</del>	<del>Processing or beneficiation of metallic or non-metallic ore</del>
<del>6</del>	<del>Mine dewatering</del>
<del>61A</del>	<del>Solid waste facility</del>
<del>63</del>	<del>Class I inert landfill site</del>

### **PRESCRIBED PREMISES CATEGORY**

Schedule 1 of the Environmental Protection Regulations 1987

<b>CATEGORY NUMBER</b>	<b>CATEGORY DESCRIPTION</b>	<b>CATEGORY PRODUCTION OR DESIGN CAPACITY</b>	<b>PREMISES PRODUCTION OR DESIGN CAPACITY</b>
5	Processing or beneficiation of metallic or non-metallic ore	50,000 tonnes or more per year	13,000,000 tonnes per year
6	Mine dewatering	50,000 tonnes or more per year	30 Gigalitres per year
12	Screening, etc. of material	50,000 tonnes or more per year	10,000,000 tonnes per year
61A	Solid waste facility	100 tonnes or more per year	16,000 tonnes per year
64	Class II inert landfill site	20 tonnes or more per year	2,000 tonnes per year

3. Definitions of the Licence are amended by the deletion of the text shown in

strikethrough below and the insertion of the bold text shown in underline below:

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

**'Annual Audit Compliance Report' means a report in a format approved by the CEO as presented by the Licensee or as specified by the CEO from time to time and published on the Department's website;**

**'Annual period' means the inclusive period from 1 January until 31 December in that year;**

**'CEO' means Chief Executive Officer of the Department of Water and Environmental Regulation;**

**'CEO' for the purposes of notification means;**

**Director General**  
**Department Administering the Environmental Protection Act 1986**  
**Locked Bag 33 Cloisters Square**  
**PERTH WA 6850**  
**[info@dwer.wa.gov.au](mailto:info@dwer.wa.gov.au)**

**'Department' means the department established under section 35 of the Public Sector Management Act 1994 and designated as responsible for the administration of Division 3 Part V of the Environmental Protection Act 1986;**

~~"Director" means Director, Environmental Regulation Division of the Department of Environment and Conservation for and on behalf of the Chief Executive Officer as delegated under Section 20 of the Environmental Protection Act 1986;~~

~~Director" for the purpose of correspondence means-~~

~~Regional Leader, Pilbara Region  
Department of Environment and Conservation  
PO Box 835  
KARRATHA WA 6714~~ Telephone: (08) 9182 2000  
Facsimile: (08) 9144 1118;

4. Condition 2 of the Licence is amended by the deletion of the text shown in strikethrough below and the insertion of the bold text shown in underline below:

~~ANNUAL AUDIT COMPLIANCE REPORT~~

- 2 **The Licensee must submit to the CEO a Compliance Report indicating the extent to which the Licensee has complied with the conditions in this Licence for the Annual Period.**

~~The licensee shall by 30 April each year, provide to the Director an Annual Audit Compliance Report in the form in Attachment 1 to this licence, signed and certified in the manner required by Section C of the form, indicating the extent to which the licensee has complied with the conditions of this licence, and any previous licence issued under Part V of the Act for the Premises, during the period beginning 1 January and ending on 31 December in that year.~~

5. Condition 14 (now 14(a)) of the Licence is amended by the deletion of the text shown in strikethrough below and the insertion of the bold text shown in underline below:

TAILINGS STORAGE FACILITIES (ATTACHMENT 5)

**FREEBOARD**

- 14a** *The licensee shall ensure that at least 1 metre of freeboard is maintained between the water level of the tailings pond and the inner crest of the tailings embankment at ~~TSF1, TSF2 and TSF3~~, **TSF4 and TSF5** at all times.*
6. The Licence is amended by the insertion of conditions 14(b) and 14(c).

**DISCHARGE OF WASTE FINES (ATTACHMENT 2)**

- 14(b)** **All waste fines generated at the Premises as a result of ore processing must be discharged into and contained by one of the approved TSFs shown in Schedule 1 maps.**
- 14(c)** **The Licensee shall take representative samples from the monitoring sites listed in column 1 of Table 1, at the frequencies stated in column 3 of Table 1, and have them analysed for the parameters listed in column 2 of Table 1.**

**Table 1: TSF groundwater monitoring (ATTACHMENT 2)**

<b>Column 1</b>	<b>Column 2</b>	<b>Column 3</b>
<b>Monitoring Site</b>	<b>Parameter</b>	<b>Frequency</b>
<u>TSF3</u> MB16MEJ0008 JMB09	Depth to Water <sup>1</sup> , pH <sup>1</sup> , Total Dissolved Solids Electrical Conductivity <sup>1</sup> (µS/cm) Total Hardness (CaCO <sub>3</sub> ) (mg/L) Major Ions (mg/L) - Na, K, Ca, Cl, Mg and SO <sub>4</sub>	Quarterly Annual
<u>TSF4</u> MB16MEJ0003 MB17MEJ0005 MB16MEJ0006	Metals (mg/L) – Cu, Fe, Mn, As, Cd, Cr, Ni, Co, Mn, Se, B, Hg, Mo, Sb, Zn and Tl	
<u>TSF 5</u> MB14MEJ004 MB14MEJ005 MB14MEJ006		

Note 1: In-field non-NATA accredited analysis permitted.

7. Condition 19 of the Licence is amended by the deletion of the text shown in strikethrough below and the insertion of the bold text shown in underline below:
- 19 *The licensee shall take representative water samples from the monitoring sites stated in column 1 of Table 2, at the frequency stated in column 2 of Table 2, and have analysed for the parameters stated in column 3 of Table 2:*

**Table 2: Water monitoring schedule (ATTACHMENT 3)**

<b>Column 1</b>	<b>Column 2</b>	<b>Column 3</b>
<b>Dewatering monitoring sites (Attachment 3)</b>	<b>Frequency</b>	<b>Parameters</b>
Discharge point 1 Discharge point 3 Discharge point 5 Discharge point 6 Discharge point B Discharge point C	Quarterly ( <b><u>when discharging</u></b> )	pH (pH units) Electrical Conductivity (µS/cm) Total Dissolved Solids (mg/L) Total Suspended Solids (mg/L) Total <b><u>Petroleum Recoverable</u></b> Hydrocarbons (mg/L) Major ions (mg/L) – Na, K, Ca, Mg Metals (mg/L) – Al, Pb, Cu, Fe, Mn, Zn, Cd, and Cr.

8. Condition 23 (now 23(a)) is amended by the deletion of the text shown in strikethrough below and the insertion of the bold text shown in underline below:

**MANAGEMENT OF ~~INERT~~ WASTE DUMP LANDFILL (ATTACHMENT 4)**

23(a) *The licensee shall bury only the following types of waste within the landfill facility:*

- (i) *Inert Waste Type 1;*
- (ii) **Inert Waste Type 2 (rubber and plastics only);**
- (iii) *Special Waste Type 1, and*
- (iv) **Putrescible Waste (Wooden pallets only)**  
*as defined in the document entitled "Landfill Waste Classification and Waste Definitions 1996" (as amended from time to time).*

9. The Licence is amended by the insertion of condition 23(b) below:

23(b) *The Licensee shall ensure that waste in the tipping area of the waste dump landfill is covered with a dense (at least 200 millimetres), inert and incombustible material at final landform design.*

10. The Licence is amended by the insertion of condition 30 below:

30 *The Licensee shall ensure that the mobile crushing and screening plants are situated in a suitable location such that:*

- (i) *They are located at least 50 metres from any permanent water body;*
- (ii) *The mobile plant area is contained so no contaminated runoff (any waste listed in Environmental Protection (Unauthorised Discharge) Regulations 2004) leaves the Premises. In the event that stormwater becomes contaminated with hydrocarbons, contaminated water is to be collected in sumps and removed via truck to a suitable licenced disposal/remediation facility; and*
- (iii) *Uncontaminated stormwater from the surrounding areas shall be diverted around the mobile plant area.*

11. The Licence is amended by the deletion of ATTACHMENT 1 – ANNUAL AUDIT COMPLIANCE REPORT below

**ATTACHMENT 1 – ANNUAL AUDIT COMPLIANCE REPORT**

**SECTION A**

**LICENCE DETAILS**

Licence Number:	Licence File Number:
Company Name:	ABN:
Trading as:	
Reporting period:	
_____	
_____	

**STATEMENT OF COMPLIANCE WITH LICENCE CONDITIONS**

1. Were all conditions of licence complied with within the reporting period? (please tick the appropriate box)

\_\_\_\_\_ Yes  Please proceed to Section C  
\_\_\_\_\_ No  Please proceed to Section B

Each page must be initialed by the person(s) who signs Section C of this annual audit compliance report

INITIAL: \_\_\_\_\_

## **SECTION B - DETAILS OF NON-COMPLIANCE WITH LICENCE CONDITION.**

Please use a separate page for each licence condition that was not complied with.

<b>a) Licence condition not complied with?</b>	
<b>b) Date(s) when the non-compliance occurred, if applicable?</b>	
<b>c) Was this non-compliance reported to DEC?</b>	
<input type="checkbox"/> Yes <input type="checkbox"/> Reported to DEC verbally    Date _____ <input type="checkbox"/> Reported to DEC in writing    Date _____	<input type="checkbox"/> No
<b>d) Has DEC taken, or finalised any action in relation to the non-compliance?</b>	
<b>e) Summary of particulars of compliance non-compliance, and what was the environmental impact?</b>	
<b>f) If relevant, the precise location where the non-compliance occurred (attach map or diagram)</b>	
<b>g) Cause of non-compliance</b>	
<b>h) Action taken or that will be taken to mitigate any adverse effects of the non-compliance</b>	
<b>i) Action taken or that will be taken to prevent recurrence of the non-compliance</b>	

Each page must be initialed by the person(s) who signs Section C of this annual audit compliance report

INITIAL: \_\_\_\_\_



## **SECTION C - SIGNATURE AND CERTIFICATION**

This Annual Audit Compliance Report may only be signed by a person(s) with legal authority to sign it. The ways in which the Annual Audit Compliance Report must be signed and certified, and the people who may sign the statement, are set out below.

(i) Please tick the box next to the category that describes how this Annual Audit Compliance Report is being signed. If you are uncertain about who is entitled to sign or which category to tick, please contact the licensing officer for your premises.

<b>If the Licensee is</b>		<b>The Annual Audit Compliance Report must be signed and certified:</b>
an individual	<input type="checkbox"/>	by the individual Licensee; or
	<input type="checkbox"/>	by a person approved in writing by the Chief Executive Officer of the Department of Environment and Conservation to sign on the licensee's behalf.
A firm or other unincorporated company	<input type="checkbox"/>	by the principal executive officer of the licensee; or
	<input type="checkbox"/>	by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment and Conservation.
A corporation	<input type="checkbox"/>	by affixing the common seal of the licensee in accordance with the Corporations Act 2001; or
	<input type="checkbox"/>	by two directors of the licensee; or
	<input type="checkbox"/>	by a director and a company secretary of the licensee; or
	<input type="checkbox"/>	if the licensee is a proprietary company that has a sole director who is also the sole company secretary – by that director; or
	<input type="checkbox"/>	by the principal executive officer of the licensee; or
	<input type="checkbox"/>	by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment and Conservation.
A public authority (other than a local government)	<input type="checkbox"/>	by the principal executive officer of the licensee; or
	<input type="checkbox"/>	by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment and Conservation.
a local government	<input type="checkbox"/>	by the chief executive officer of the licensee; or
	<input type="checkbox"/>	by affixing the seal of the local government.

*It is an offence under section 112 of the Environmental Protection Act 1986 for a person to give information on this form that to their knowledge is false or misleading in a material particular. There is a maximum penalty of \$50,000 for an individual or body corporate.*

I/We declare that the information in this annual audit compliance report is correct and not false or misleading in a material particular.

SIGNATURE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

NAME: (printed) \_\_\_\_\_

NAME: (printed) \_\_\_\_\_

POSITION: \_\_\_\_\_

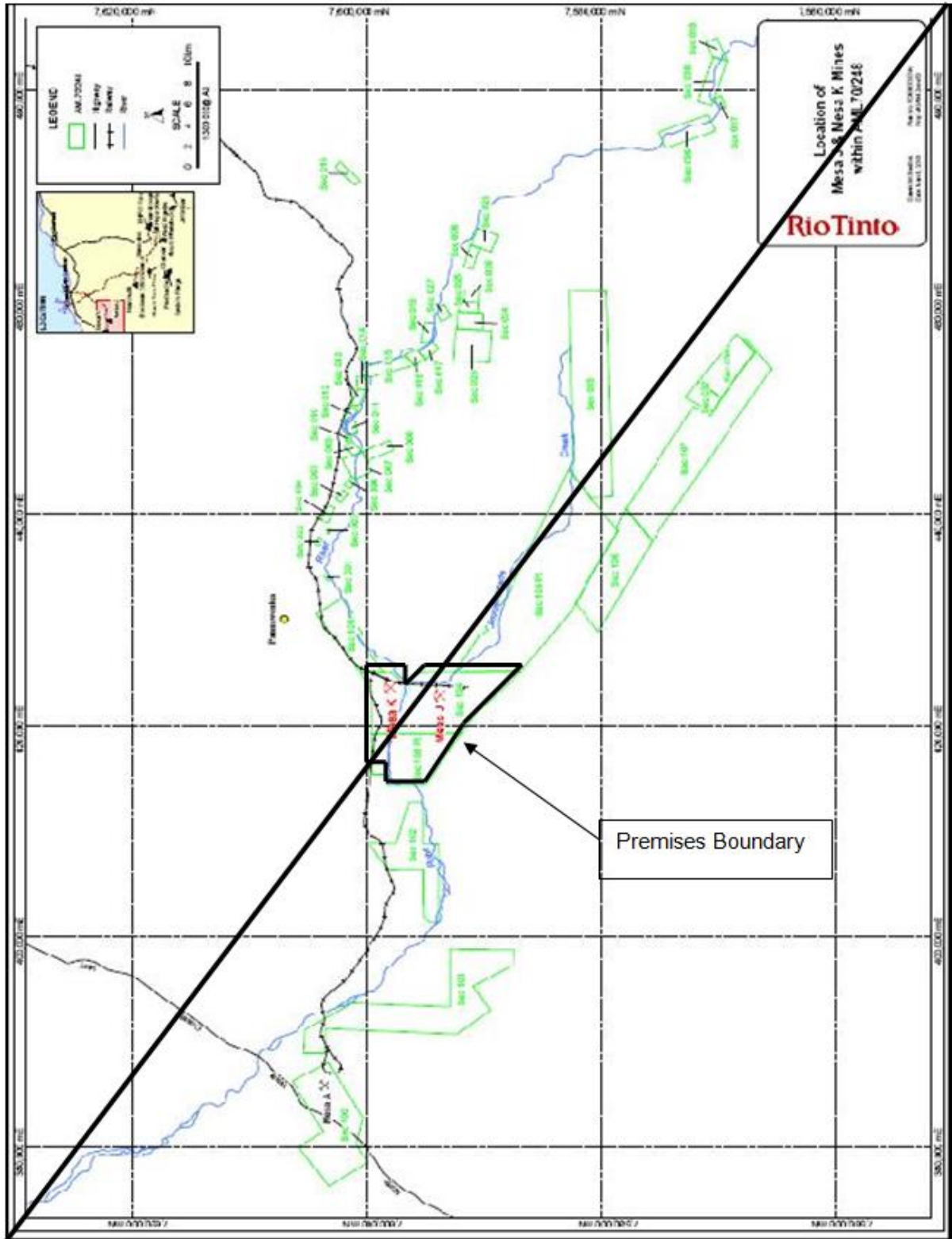
POSITION: \_\_\_\_\_

DATE: \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_

DATE: \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_

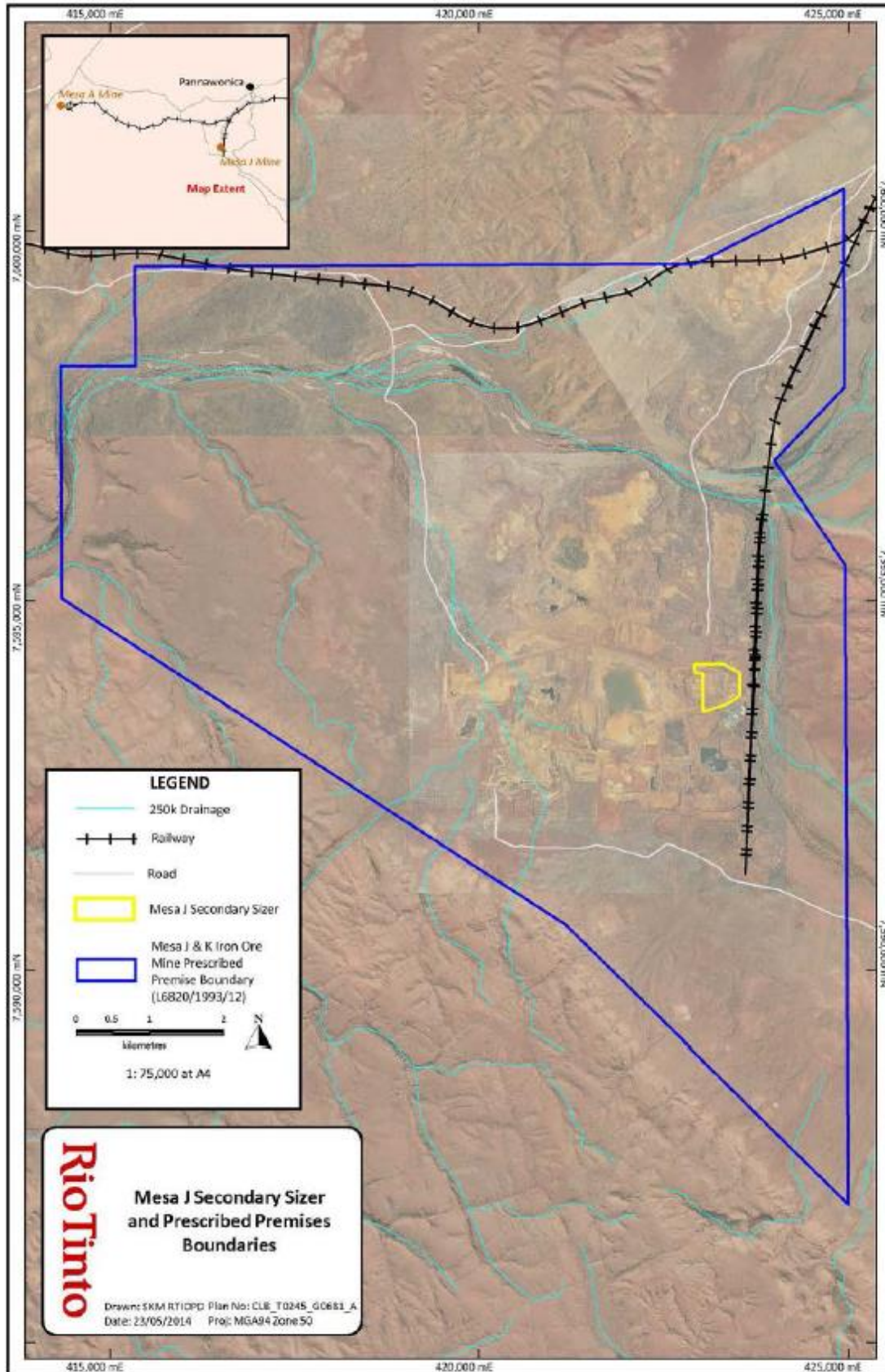
~~SEAL (if signing under seal)~~ ~~SEAL (if signing under seal)~~

- 12. The Licence is amended by the deletion of ATTACHMENT 2 – PLAN OF PREMISES shown in strikethrough below:



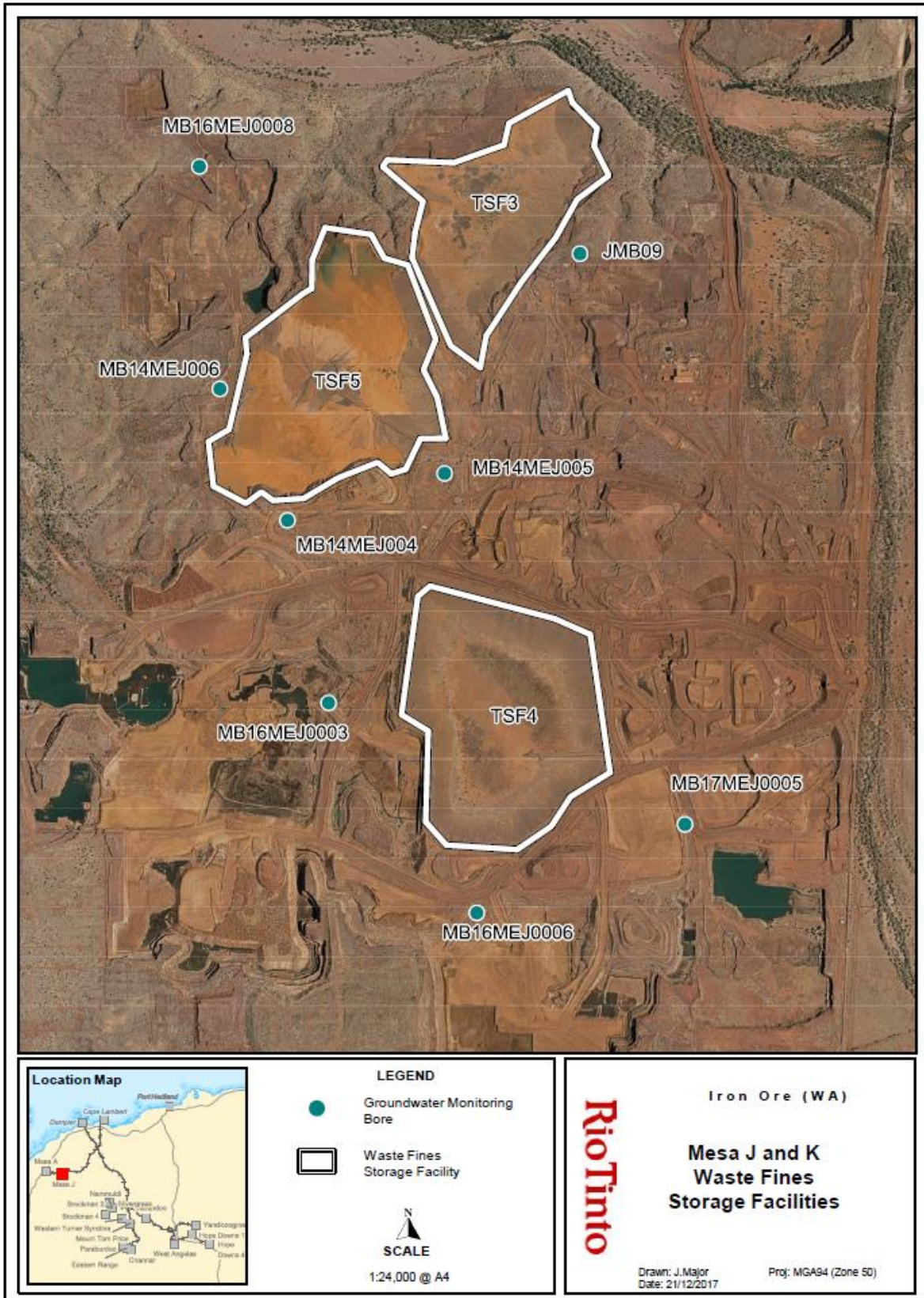
13. The Licence is amended by the insertion of Attachment 1 below:

**ATTACHMENT 1 – PLAN OF PREMISES**



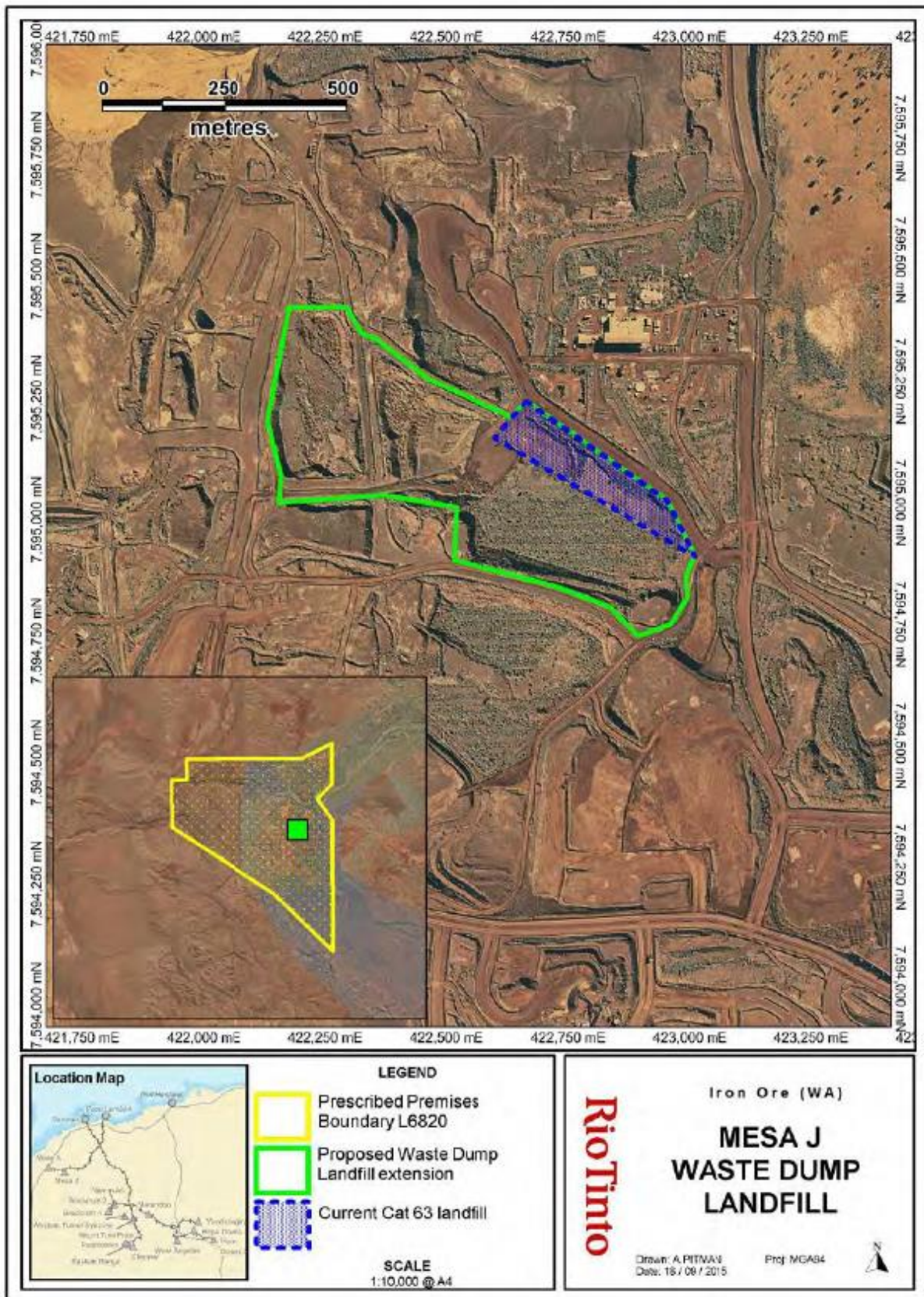
14. The Licence has been amended to include Attachment 2 depicting the location of TSFs 3, 4 and 5 and groundwater monitoring locations.

**ATTACHMENT 2 – TAILINGS STORAGE FACILITY INCLUDING LOCATIONS OF GROUNDWATER MONITORING BORES**



15. The Licence has been amended by the insertion of Attachment 4 below:

**ATTACHMENT 4 – WASTE DUMP LANDFILL**



## Appendix 1: Key documents

	Document title	In text ref	Availability
1	Licence L6820/1993/12 – Mesa J and K Iron Ore Mine	L6820/1993/12	accessed at <a href="http://www.dwer.wa.gov.au">www.dwer.wa.gov.au</a>
2	Licence amendment application including Mesa J TSF 5 Stage 2 Compliance document	W5535/213/1	DWER records (A1134179)
3	Works Approval W5634/2014/1–Mesa J Secondary Sizer	W5634/2014/1	DWER records (A764678)
4	W5634/2014/1 compliance documentation	RTIO-HSE-0245896	DWER records (A865658)
4	Works Approval W5535/2013/1 – Mesa J Tailings Storage Facility 5 – Stage 2	W5535/2013/1	DWER records (A722901)
5	Mesa J – Tailings Storage Facility 5 Stage 1 – Compliance Report W5535/2013/1	RTIO-HSE-0243188	DWER records (A849373)
6	Mesa J and K email received from Rio Tinto 11 August 2016 (9:23 AM)	RTIO 2016	DWER records (A1184671)
7	TSFs Mesa J email received from Rio Tinto 20 December 2017 (3:39 PM)	RTIO 2017	DWER records A1583844)
8	Ministerial Statement 208	MS 208	accessed at <a href="http://www.epa.wa.gov.au/">www.epa.wa.gov.au/</a>
9	Iron Ore (WA) Mobile Crushing & Screening Management Plan 2015	RTIO-HSE-0235877	DWER records (A1351153)
10	DER, November 2016. <i>Guidance Statement: Risk Assessments</i> . Department of Environment Regulation, Perth.	-	accessed at <a href="http://www.dwer.wa.gov.au">www.dwer.wa.gov.au</a>