

**Private and confidential**

Manager - Industry Regulation (Resources North)  
Department of Water and Environmental Regulation  
Regulatory Services - Environment  
Prime House, 8 Davidson Terrace  
JOONDALUP WA 6027

29 April 2022

Our reference RTIO-HSE-0356333  
Your reference L8232

To whom it may concern

**2021 Annual Audit Compliance Report for L8232 – Brockman Syncline 4 Mine**

Attached is the 2021 Annual Audit Compliance Report (AACR) for Brockman Syncline 4 Mine as required by Condition 32 of L8232/2008/2.

This AACR covers the reporting period from 1 January to 31 December 2021 and addresses the requirements of the following licences:

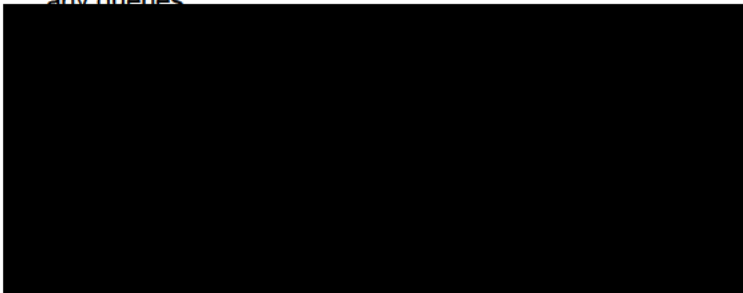
- L8232/2008/2 Version 1 (1 January to 15 December 2021)
- L8232/2008/2 Version 2 (16 December to 31 December 2021)

The condition numbers in this AACR refer to the version of the licence that was current at the time of the non-compliance.

All parameters sampled met relevant targets for the reporting period except for:

- Camp WWTP 2 which returned biochemical oxygen demand (BOD) results of 33mg/L against a target of <30mg/L in Q4.
- Camp WWTP 2 which returned total suspended solids (TSS) results of 462mg/L against a target of <40mg/L in Q4.
- Camp WWTP 2 which returned total phosphorus results of 16.7mg/L against a target of <12mg/L in Q4.
- Central Facilities which returned BOD results of 30mg/L against a target of <30mg/L in Q1.
- Central Facilities which returned TSS results of 45mg/L, 71mg/L and 50mg/L against a target of <40mg/L in Q1, Q2 and Q3 respectively.
- Central Facilities which returned total nitrogen results of 67.6mg/L against a target of <50mg/L in Q4.

Please contact [REDACTED], Superintendent Environment, at [REDACTED] if you have any queries



# Annual Audit Compliance Report form

Environmental Protection Act 1986, Part V

Section A – Licence Details			
Licence Number:	L8232/2008/2	Licence File Number:	DER2013/001103
Licence Holder:	Pilbara Iron Company (Services) Pty Ltd		
Trading as:	Rio Tinto Iron Ore		
ACN:	107 210 248		
Registered address:	Level 18, Central Park. 152-158 St. Georges Terrace, PERTH WA 6000		
Reporting period:	1 January 2021 to 31 December 2021		

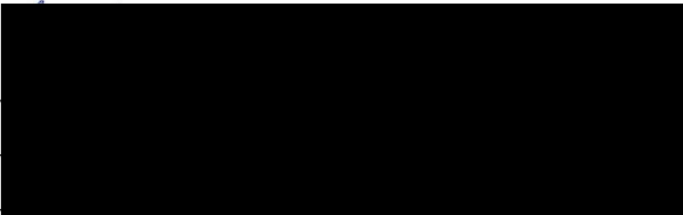
Section B – Statement of compliance with licence conditions	
Did you comply with all of your licence conditions during the reporting period?	
Yes <input type="checkbox"/>	Please complete <b>Sections C, D</b> (if required) and sign the declaration in <b>Section E</b>
No <input checked="" type="checkbox"/>	Please complete <b>Sections C, D</b> (if required), <b>F</b> and sign the declaration in <b>Section E</b>

Section C – Statement of actual production		
Provide the actual production quantity for this reporting period.*		
Category	Premises description	Actual production quantity (2021)
5	Processing or beneficiation of metallic or non-metallic ore	41,580,967 tonnes
12	Screening, etc. of material	104,700 tonnes
54	Sewage facility	302 cubic metres per day
64	Class II putrescible landfill site	1,626 tonnes
73	Bulk storage of chemicals, etc.	1,877 cubic metres

\*Supporting information provided in the relevant conditions of the 2021 Annual Environment Report

Section D – Statement of actual Part 2 waste discharge quantity		
Provide the actual Part 2 waste discharge quantity for this reporting period.*		
Category	Premises description	Actual Part 2 Waste Discharge Quantity (2021)
6	Mine dewatering	1,149,733 tonnes

\*Supporting information provided in the relevant conditions of the 2021 Annual Environment Report

Section E – Declaration	
I declare that the information in this Annual Audit Compliance Report is true and correct and is not false or misleading in a material particular <sup>1</sup> . I consent to the Annual Audit Compliance Report being published on the Department of Water and Environmental Regulation's (DWER) website.	
Signature <sup>2</sup> :	
Name: (printed)	
Position:	
Date:	28/04/2022

<sup>1</sup> 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.

<sup>2</sup> AACRs can only be signed by the licence holder or an authorised person with the legal authority to sign on behalf of the licence holder.

## Section F – Details of non-compliance with licence condition

Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.

<b>Condition number:</b>	Condition 4 in Version 1	<b>Date(s) of non-compliance:</b>	22 September 2021 9 November 2021
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### Details of non-compliance:

Water quality monitoring requirements were not met at Central Facilities WWTP during Quarter 3 (Q3) and at Camp WWTP 2 during Quarter 4 (Q4). Effluent samples missed residual chlorine analysis.

### What was the actual (or suspected) environmental impact of the non-compliance?

There was no evidence of adverse environmental impact associated with the missed sampling.

### Cause (or suspected cause) of non-compliance:

Equipment fault resulting in missed residual chlorine sample at Camp WWTP 2 on 22 September 2021. Equipment fault resulting in missed residual chlorine sample at Central Facilities WWTP on 9 November 2021.

### Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:

There were no adverse effects associated with the non-compliance requiring mitigation. In any case, the following action in relation to the missed sampling has been undertaken to prevent recurrence:

1. Review of Standard Operating Procedures of sampling requirements and training for relevant contractor personnel undertaking WWTP sampling.
2. Water quality meter replacement ordered.

### Was this non-compliance reported to the DWER?

Yes:

Reported to DWER verbally      Date:

Reported to DWER in writing      Date:

No

Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.

<b>Condition number:</b>	Condition 2 in Version 1	<b>Date(s) of non-compliance:</b>	24 September 2021
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**Details of non-compliance:**

Treated effluent discharged to land outside of the Brockman 4 WWTP spray fields due to sprinkler failure.

**What was the actual (or suspected) environmental impact of the non-compliance?**

There was no evidence of adverse environmental impact associated with the treated effluent discharge.

**Cause (or suspected cause) of non-compliance:**

Investigation found that damage to sprinklers caused treated effluent to pond, leading to the erosion of the spray field boundary windrows, allowing effluent to leave the spray field boundary.

**Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:**

There were no adverse effects associated with the non-compliance requiring mitigation. In any case, the following actions in relation to the treated effluent discharge have been undertaken to prevent recurrence:

1. Immediate treatment of the spill area with chlorine;
2. Increased frequency of WWTP spray field inspections;
3. Re-establishment of spray field containment bunding; and
4. Maintenance works on damaged sprinklers.

**Was this non-compliance reported to the DWER?**

<input type="checkbox"/> Yes: <input type="checkbox"/> Reported to DWER verbally      Date: <input type="checkbox"/> Reported to DWER in writing      Date:	<input checked="" type="checkbox"/> No
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