



## Annual Audit Compliance Report Form

*Environmental Protection Act 1986, Part V*

Once completed, please submit this form either via email to [info-der@dwer.wa.gov.au](mailto:info-der@dwer.wa.gov.au), or to the below postal address:

Department of Water and Environmental Regulation  
Locked Bag 33 Cloisters Square  
PERTH WA 6850

### Section A – Licence Details

Licence number:	L8148/2006/4	Licence file number:	2014/000374
Licence holder:	KOOLAN IRON ORE PTY LTD		
Trading as:	KOOLAN IRON ORE PTY LTD		
ACN:	099 455 277		
Registered address:	PO Box 55 WEST PERTH WA 6872		
Reporting period:	01 / 01 /2020 to 31 / 12 / 2020		

### Section B – Statement of Compliance with Licence Conditions

Did you comply with all of your licence conditions during the reporting period?  
(please tick the appropriate box)

- Yes – please complete:
- section C;
  - section D if required; and
  - sign the declaration in Section F.
- No – please complete:
- section C;
  - section D if required;
  - section E; and
  - sign the declaration at Section F.

### Section C – Statement of Actual Production

Provide the actual production quantity for this reporting period. Supporting documentation is to be attached.

Prescribed Premises Category	Actual Production Quantity
5	1,956,190 tonnes
6	4,074,276.4 m <sup>3</sup>
12	302,852 tonnes
54	79.64m <sup>3</sup> per day
58	2,023,214 tonnes
64	900 tonnes

Section C – Statement of Actual Production	
73	1,000 cubic meters

Section D – Statement of Actual Part 2 Waste Discharge Quantity	
Provide the actual Part 2 waste discharge quantity for this reporting period. Supporting documentation is to be attached.	
Prescribed Premises Category	Actual Part 2 Waste Discharge Quantity
NA	NA

Section E – 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.			
Condition no:	2.2.3	Date(s) of non-compliance:	As per ET1 submitted
Details of non-compliance:			
<p>Total Suspended Solids (TSS mg/L) recorded during monitoring of dewatering discharges at W1 (Settlement Pond) and W3 (Contingency) exceeded the limit on a number of days. Notifications to DWER were made under conditions 4.2.2 and 4.3.1. Quarterly ET1 reports were submitted in April, July, October for the respective quarters and a final report was submitted in January 2021 for the final 2020 quarter. During the reporting period there were a total of 138 days when TSS exceeded 20 mg/L. The average TSS concentration over the course of the year was 17.7 mg/L. Table 6 summarises the number of days by quarter and discharge point.</p>			
Table 6: Number of days related to dewatering discharge in ET1 forms lodged in 2020.			
	W1	W3	W4
1 January – 31 March 2020	38	7	NA
1 April – 30 June 2020	43	0	NA
1 July – 30 September 2020	15	0	NA
1 October – 31 December 2020	20	NA	NA
<b>Total</b>	116	7	

**Section E – Details of Non-Compliance with Licence Condition**

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

**NOTE** – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.

No actual or potential impacts are known to have occurred. KIO continues to monitor receiving water quality in accordance with Statement 715 Marine Management Plan. Refer to Annual Environment Report and other details supplied in Compliance Assessment Reports.

Cause (or suspected cause) of non-compliance:

At times, the rate of ingress of water into the Main Pit requiring dewatering and elevated levels of suspended solids prior to treatment was very high (>2000mg/L TSS).

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

Daily sampling results that exceeded TSS @ 20mg/L (or turbidity as NTU) were reported internally for review and action and then to DWER on a quarterly basis as required under conditions 4.2.2 and 4.3.1 of the Licence. Corrective actions were implemented aiming to improve water quality. Corrective actions undertaken in response to days of elevated TSS included:

- Reducing pumping rates to lower flow rates.
- Moving pumps to deeper water.
- Changing mining activities that were potentially affecting water quality at the source.
- Suspending dewatering until TSS in source water had settled.
- Deploying curtain (silt) booms in the settlement pond to contain suspended solids.

A longer-term strategy is being developed (Primero Engineers) to address the matter and consultation and design has occurred for a preferred augmentation and action plan.

Was this non-compliance previously reported to DWER?

Yes, and

Reported to DWER verbally

Date: / /

Reported to DWER in writing

Date: 21/12/2020, 16/10/2020, 30/07/2020, 30/04/2020

**Section E – 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.

Condition no:	3.4.1	Date(s) of non-compliance:	31 December 2020
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Details of non-compliance:

KIO is required to undertake annual groundwater monitoring in accordance with condition 3.4.1. In 2020, monitoring was undertaken at the following monitoring bores for the listed parameters:

MONITORING BORES	SAMPLING FREQUENCY	PARAMETERS TO BE MEASURED	
M1	Annual	Standing Water Level	Aluminium
M3		Electrical conductivity	Arsenic
M4		pH	Barium
M5		TDS	Boron
M6		Total Recoverable Hydrocarbons	Cadmium
M9		Hardness	Calcium
M10		Total Alkalinity	Chromium
		Total Nitrogen	Copper
		Total Phosphorous	Iron
		Bicarbonate	Lead
	Carbonate	Magnesium	
	Nitrate	Manganese	
	Sulfate	Mercury	
		Molybdenum	
		Nickel	
		Potassium	
		Selenium	
		Sodium	
		Zinc	

Annual sampling occurred prior to onset of seasonal rains in November 2020. At the time, it was discovered that M9 monitoring bore (K8) was blocked and inaccessible. The cause was likely a collapse of the bore. This constitutes a potential non-compliance as the sampling quota was unable to be completed at that stipulated site.

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

**NOTE** – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.

No actual or potential impact was known to have arisen. The bore sits within the Island’s Southern Syncline and waters inter-connect the Main Pit. Refer to Annual Environment Report for details.

Cause (or suspected cause) of non-compliance:

Collapse of bore causing it to be blocked.

Section E – Details of Non-Compliance with Licence Condition	
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:	
Potential non-compliance. An attempt shall be made in 2021 to recover the bore within its casing, or establish a new bore nearby.	
Was this non-compliance previously reported to DWER? NO	
<input type="checkbox"/> Yes, and	
<input type="checkbox"/> Reported to DWER verbally	Date: / /
<input type="checkbox"/> Reported to DWER in writing	Date:

Section F – Declaration	
I / We 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 / We consent to the Annual Audit Compliance Report being published on the Department of Water and Environmental Regulation's (DWER) website.	
Signature <sup>2</sup> :	Signature:
Name: (printed)	Name: (printed)
Position:	Position:
Date:	Date:
Seal (if signing under seal):	

<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.