



# Rail Terminal Yard Operating Licence - Annual Environmental Report 2025

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16/03/2026

Revision Register			
Rev	Date	Name	Description of changes
0	12/03/2026	[REDACTED]	Document created. Issued for review and approval.

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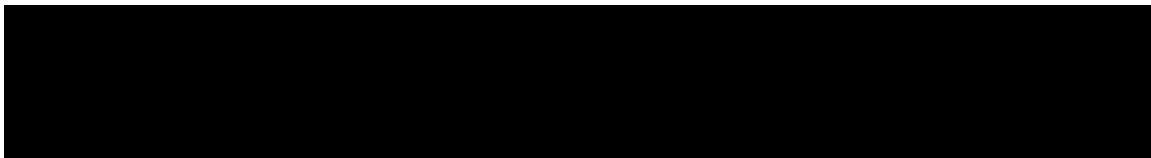
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## 1. Introduction

### 1.1 Overview

The Roy Hill Mine, located approximately 115 km north of Newman, is a world-class, low-phosphorus, Marra Mamba iron ore deposit and the only independent iron ore operation with West Australian majority ownership.

The operation consists of an integrated mining, processing, rail and port operation including:

- A conventional open pit mining operation from multiple production benches
- A 65Mtpa wet processing plant
- A 344 km single line, heavy haul railway connecting the mine to Port Hedland
- A purpose-built, dedicated two-berth iron ore port facility, capable of receiving, stockpiling, screening and exporting up to 70Mtpa (wet) of direct shipped iron ore as lump and fines.

### 1.2 Current Operations

To support the operation of the heavy haul railway, Hancock Iron Ore (HIO) through Roy Hill Infrastructure Pty Ltd (RHI) operates the Rail Terminal Yard (RTY), which includes the following key facilities:

- Rolling Stock Maintenance Workshop (RSM);
- Bulk Fuel Storage and Handling Facility (BFSF) capable of storing 3,200 m<sup>3</sup> of C1 combustible liquid (diesel);
- Oily Water Separators (OWS) servicing the BFSF and workshop area
- Wastewater Treatment Plant (WWTP) with a maximum design capacity of 25 m<sup>3</sup> per day (normal operating throughput of 23 m<sup>3</sup>/day) discharging to a fenced spray field

The RTY, including the BFSF and WWTP is located ~16 km south of Port Hedland, on Boodarie Industrial Estate within Roy Hill's Special Rail Licence area.

## 2. Approvals Overview

HIO is the proponent responsible for the RTY, which is located within the Special Rail Licence (SRL) Miscellaneous Licence 4SA. The SR was issued under the Railway (Roy Hill Infrastructure Pty Ltd) Agreement Act 2010 and granted under the Mining Act 1978 on 5 July 2011. This Licence authorises the construction and operation of the Roy Hill heavy haul railway from Port Hedland to the Roy Hill Iron Ore Mine.

Environmental approval for the railway was issued under Part IV of the Environmental Protection Act 1986 (EP Act) through Ministerial Statement 847 in November 2011. Subsequent to this, HIO through RHI obtained

several Works Approvals under Part V of the EP Act for the construction of prescribed infrastructure at the RTY.

Following completion of construction and compliance reporting, the RTY facilities were authorised to operate under Operating Licence L8948/2016/1. The licence was issued on 31 March 2016 and came into effect on 4 April 2016. No amendments to Operating Licence L8948/2016/1 occurred during the reporting period.

## 2.1 Purpose

The purpose of this Annual Environmental Report (AER) is to outline compliance with the conditions of Licence L8948/2016/1. This AER has been prepared to meet Condition 4.2 of the licence, and the Annual Audit Compliance Report (AACR), as required under Condition 4.1.2, is provided in **Appendix A**.

This AER covers the reporting period 1 January 2025 to 31 December 2025 (reporting period) and includes the AACR. Both documents must be prepared and submitted to the Chief Executive Officer (CEO) of the Department of Water and Environmental Regulation (DWER) within 90 days of the end of the annual period (by 31 March each year). The operating licence was amended and approved by DWER on 13 January 2017 and remains current for this reporting period.

This AER addresses the requirements stipulated in Condition 4.2 of the Licence, amended 13 January 2017. **Table 1** outlines each requirement of Condition 4.2 and refers to the relevant section within this Report.

**Table 1 – AER Requirements**

Condition or Table (if relevant)	Parameter	Format or Form	Section of this Report
-	Summary of any failure or any malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual report and any action taken.	None specified	Section 3, Table 2
Table 3.2.1	Monthly records and cumulative volume for the WWTP.	None specified	Section 4.1, Table 4
	Biochemical Oxygen Demand, Total Suspended Solids, pH, Total Nitrogen, Total Phosphorus, <i>E. coli</i> and Total Recoverable Hydrocarbons.	LR1 Form	Appendix B
4.1.2	Compliance	None specified	Section 5
4.1.3	Complaints summary	None specified	Section 6

### 3. Pollution Control Equipment Failures and Environmental Incidents

During the reporting period, one exceedance occurred that resulted in a pollution control equipment failure and environmental incident, which was reported to DWER via an N1 Form. Details of the incident is provided in **Table 2**. In addition, a total of 38 minor internal incidents occurred within the prescribed premises. These were promptly addressed and remediated, with investigations determining them to be low impact. All minor incidents were reported in Roy Hill’s internal incident management system (INX). Details of these incidents, along with the actions taken, are summarised in **Appendix C**.

**Table 2 - Incident Notifications**

Agency	Reporting Method	Incident Date	Incident Description	Corrective Actions
DWER	N1 Form Reported 9/06/2025	Sample collected 2/06/2025	Quarterly monitoring results for the RSM Oily Water Separator (OWS), were received and reviewed on 6 June 2025. identified an exceedance of the Part V Licence Limit for Total Recoverable Hydrocarbons. The reported result was 15.6 mg/L (C6-C40), exceeding the licence limit of 15 mg/L. The incident requires a N1 notification to the DWER under Condition 2.2.2 of L8948/2016/1. An N1 Form (Part A & Part B) was submitted to the DWER on 9 June 2025.	Controlled Waste Contractor utilised to empty the RSM OWS sump.  Installation of a new OWS (Ultraspin unit) installed in August 2025.

### 4. Monitoring of emissions to land

In accordance with Condition 3.2 of the licence, monitoring of emissions to land was undertaken during the reporting period in line with the requirements specified in Table 3.2.1. All required monitoring and record-keeping were completed, and the results are provided below.

#### 4.1 Monthly records and cumulative volume for the WWTP

Table 3 outlines the cumulative volumes for the Rail Terminal Yard (RTY) wastewater treatment plant (WWTP), as required by Condition 3.2, Table 3.2.1 of the Licence. Monthly cumulative volumes for the WWTP, prior to discharge to the spray field irrigation area, remained well below the licence limit of 25 m3/day during the reporting period. Inflow records for the WWTP are provided in **Appendix D**.

**Table 3 – RTY WWTP cumulative and monthly volumes discharged to the spray field irrigation area**

Date	Flow Meter Reading (m <sup>3</sup> )	Cumulative Monthly Volume (m <sup>3</sup> )	Monthly Average (m <sup>3</sup> /day)
31/01/2025	11093	147	5
28/02/2025	11260	167	6
31/03/2025	11399	139	4
30/04/2025	11533	135	4
30/05/2025	11665	132	4
29/06/2025	11810	145	5
31/07/2025	11956	140	5
31/08/2025	12092	141	5
30/09/2025	12208	116	4
30/10/2025	12343	136	4
30/11/2025	12466	123	4
31/12/2025	12579	112	4

## 4.2 WWTP Monitoring

Quarterly wastewater monitoring was undertaken in accordance with Condition 3.2, Table 3.2.1 of the licence. Monitoring was conducted in line with Condition 3.1, using the required sampling method and frequency, with each quarterly sample collected more than 45 days apart, consistent with licence requirements.

Quarterly monitoring results are provided in **Table 4**. The LR1 Form is provided in **Appendix B**.

**Table 4 – RTY WWTP Quarterly Sampling Results**

Parameter	Units	Results Range (2024)	Quarter 1 (28/1/25) <sup>1</sup>	Quarter 2 (30/4/25)	Quarter 3 (30/7/25)	Quarter 4 (30/10/25)
Number of days between sampling events			98	92	91	92
Biochemical Oxygen Demand	mg/L	<2 - 5	3	8	20	5
Total Suspended Solids	mg/L	<5 - 20	7	<5	<5	14
Field pH	pH units	7.5 - 8.2	8.3	8.2	8.1	8.3

Total Nitrogen	mg/L	33.3 - 59.9	42.1	54.5	72.2	22.9
Total Phosphorus	mg/L	0.9 - 11.4	9.32	15.5	13.8	7.47
<i>E. coli</i>	MP N/100ml	<1	<1	<1	3	<1

Note 1 - Quarter 4 2024 sample dated 22/10/2024

### 4.3 Bulk Fuel Facility OWS Discharge Point

Quarterly monitoring for Total Recoverable Hydrocarbons (TRH) was undertaken in accordance with Condition 3.2, Table 3.2.1 of the licence. Monitoring was conducted in line with Condition 3.1, using the required sampling method and frequency, with each quarterly sample collected more than 45 days apart, consistent with the licence.

Quarterly monitoring results for the Bulk Fuel Storage Facility (BFSF) OWS discharge point are provided in **Table 5**, with no exceedances recorded above the licence limit of 15mg/L during the reporting period. The LR1 Form is provided in **Appendix B**.

**Table 5 – BFSF OWS Discharge Chamber TRH C6 - 40 Results**

Parameter	Units	Limit	Results Range (2024)	Quarter 1 (18/2/25) <sup>1</sup>	Quarter 2 (19/5/25)	Quarter 3 (18/8/25)	Quarter 4 (17/11/25)
Number of days between sampling events				92	91	91	91
BFSF OWS	mg/L	15	0.95 -21.1	1.85	0.89	3.83	4.38

Note 1 - Quarter 4 2024 sample dated 18/11/2024.

### 4.4 Rolling Stock Workshop OWS Discharge Point

Quarterly monitoring for Total Recoverable Hydrocarbons (TRH) was undertaken in accordance with Condition 3.2, Table 3.2.1 of the licence. Monitoring was conducted in line with Condition 3.1, using the required sampling method and frequency, with each quarterly sample collected more than 45 days apart, consistent with the licence.

Works to replace the OWS commenced in August 2025, and the system is currently in commissioning, resulting in no discharge during Quarter 3 and Quarter 4. Quarterly results for Quarter 1 and Quarter 2 are provided in **Table 6** and in the LR1 Form provided in **Appendix B**.

There was one exceedance during the reporting period. In Quarter 2, the TRH result exceeded the licence limit of 15mg/L, with a recorded value of 15.6 mg/L on 6 June 2025. The OWS was immediately isolated, and

a controlled waste contractor was engaged to remove the contaminated water for offsite treatment. An N1 Form was submitted to DWER on 9 June 2025 (reference ICMS95327).

**Table 6 – RSM OWS Discharge Chamber TRH C6 - 40 Results**

Parameter	Units	Licence Limit	Results Range (2023)	Quarter 1 (27/2/25) <sup>1</sup>	Quarter 2 (2/6/25)	Quarter 3 <sup>2</sup>	Quarter 4 <sup>2</sup>
Number of days between sampling events				185	95	out of service	out of service
RSM OWS	mg/L	15	3.25 - 15	6.32	<b>15.6</b>	-	-

Note 1: Quarter 3 2024 sample dated 26/08/2024 & OWS offline in Q4 2024; 2 RSM OWS offline in Q3 & Q4 2025.

## 5. Compliance

An assessment of compliance with the licence conditions is presented in the AACR provided in **Appendix A**. There was one non-compliance during the reporting period, as detailed in **Section 3**.

## 6. Complaints Summary

No complaints relating to alleged emissions from the premises were received during the reporting period.

## 7. Appendices

**Appendix A Annual Audit Compliance Report Form**



## Annual Audit Compliance Report Form

*Environmental Protection Act 1986, Part V Division 3*

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

Department of Water and Environmental Regulation  
Locked Bag 10  
Joondalup DC WA 6919

Section A – Licence details			
Licence number:	L8948/2016/1	Licence file number:	N/A
Licence holder name:	Roy Hill Infrastructure Pty Ltd		
Trading as:	Roy Hill Infrastructure Pty Ltd		
ACN:	130 249 633		
Registered business address:	28 – 42 Ventnor Avenue West Perth WA 6005		
Reporting period:	01/01/2025 to 31/12/2025		

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)
<input type="checkbox"/> Yes – please complete: <ul style="list-style-type: none"><li>section C;</li><li>section D (if required); and</li><li>sign the declaration in Section F.</li></ul>
<input checked="" type="checkbox"/> No – please complete: <ul style="list-style-type: none"><li>section C;</li><li>section D (if required);</li><li>section E; and</li><li>sign the declaration in Section F.</li></ul>

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
Category 73: 3,450 cubic meters in aggregate	3,219 cubic meters of stored chemicals on site during the reporting period.

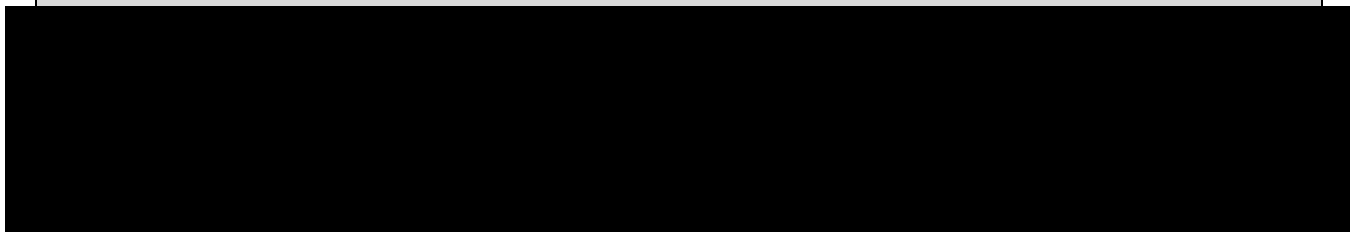
Section D – Statement of actual Part 2 waste discharge quantity	
Provide the actual Part 2 waste discharge quantity for this reporting period. Supporting documentation is to be attached.	
Prescribed premises category	Actual Part 2 waste discharge quantity
Category 85: 25 cubic meters per day	Average daily outflow of 4 m <sup>3</sup> /day during the reporting period.

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:	2.2.2	Date(s) of non-compliance:	02/06/2025
Details of non-compliance:			
<p>Quarterly monitoring results for the RSM Oily Waster Separator (OWS) were received and reviewed on 6 June 2025 and identified an exceedance of the Part V licence limit for Total Recoverable Hydrocarbons (TRH). The reported result was 15.6mg/L (C6-C40), above the licence limit of 15mg/L. In accordance with Condition 2.2.2, the incident required submission of an N1 notification to DWER. An N1 Form (Part A and Part B) was submitted to DWER on 9 June 2025 (DWER reference: ICMS95327).</p>			
<p>What was the actual (or suspected) environmental impact of the non-compliance?</p> <p><b>NOTE</b> – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.</p>			
<p>No actual environmental or suspected environmental impact resulted from the non-compliance. A routine soil sample collected from the discharge area on 28 May 2025 indicated no material impact, with TRH measured at 1,800 mg/kg, well below the applicable Ecological Screening Levels of 6,600 mg/kg. The area was also not a sensitive receptor. Follow-up treated water sampling on 14 July 2025 returned a TRH concentration of 3.3 mg/L, which is below the licence limit.</p>			
Cause (or suspected cause) of non-compliance:			
<p>The OWS had an equipment malfunction, which reduced its capacity to effectively treat the waste water prior to discharge.</p>			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
<p>The OWS was immediately isolated, and a controlled waste contractor removed the contaminated water for off-site treatment. Follow-up sampling of treated water on 14 July 2025 returned a TRH concentration of 3.3 mg/L, which is below the licence limit. The OWS was replaced during the reporting period with a similar unit. While the unit is being installed/commissioned all untreated wastewater is being directly removed from the RSM sump by a licensed contractor and treated off the premises at a licensed facility.</p>			
Was this non-compliance previously reported to DWER?			
<input checked="" type="checkbox"/> Yes, and			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input checked="" type="checkbox"/> Reported to DWER in writing Submission of the N1 Forms		Date: 09/06/2025	

**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.



Date:	18/03/2026	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.

**Appendix B LR1 Form**



Licence: L8948/2016/1

Licensee: Roy Hill Infrastructure Pty Ltd

Form: LR1

Period: 1 January 2025 to 31 December 2025

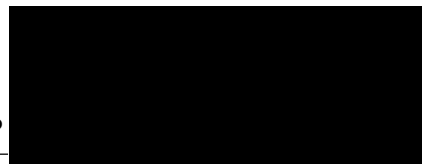
Name: Monitoring of emissions to land

Form LR1: Monitoring of emissions to land					
Emission point	Parameter	Result	Averaging period	Method	Sample date & times
WWTP- prior to discharge to spray irrigation field	Biochemical Oxygen Demand (mg/L)	3	Spot sample	Laboratory	28/01/25
		8			30/04/25
		20			30/07/25
		5			30/10/25
	Total Suspended Solids (mg/L)	7			28/01/25
		<5			30/04/25
		<5			30/07/25
		14			30/10/25
	pH (pH units)	8.3			28/01/25
		8.2			30/04/25
		8.1			30/07/25
		8.3			30/10/25
	Total Nitrogen (mg/L)	42.1			28/01/25
		54.5			30/04/25



		72.2			30/07/25	
		22.9			30/10/25	
	Total Phosphorus (mg/L)	9.32			28/01/25	
		15.5			30/04/25	
		13.8			30/07/25	
		7.47			30/10/25	
		<i>E.coli</i> MPN/100mL			<1	28/01/25
	<1				30/04/25	
	3				30/07/25	
	<1				30/10/25	
	<b>Bulk Fuel Facility OWS Discharge Point</b>	Total Recoverable Hydrocarbons (mg/L)			3.74	18/02/25
					11.8	19/05/25
					0.59	18/08/25
					7.43	17/11/25
<b>Rolling Stock Maintenance Workshop OWS Discharge Point</b>	Total Recoverable Hydrocarbons (mg/L)	6.32	27/02/25			
		15.6	2/06/25			

Signed on behalf of Roy Hill Infrastructure P



Date: 18/03/2026

## Appendix C Environmental Incidents

Incident Date	Incident Description	Corrective Actions
01/01/2025	Diesel spill approx. 30 Litres	Cleaned up the spill and applied Oil Gone <sup>3</sup> to the affected area
22/01/2025	Hydraulic spill approx. 30 Litres	Cleaned up the spill and Oil Gone applied to the affected area
24/01/2025	Diesel spill approx. 10 Litres	Cleaned up the spill and Oil Gone applied to the affected area
06/02/2025	Injured wildlife (Snake)	Euthanised
08/02/2025	Diesel spill approx. 3 Litres	Cleaned up the spill and Oil Gone applied to the affected area
08/02/2025	Diesel spill approx. 10 Litres	Cleaned up the spill and Oil Gone applied to the affected area
09/02/2025	Hydraulic spill approx. 5 Litres	Cleaned up the spill and Oil Gone applied to the affected area
11/02/2025	Wildlife trikes (Kangaroo)	Removed from the road
25/02/2025	Wildlife trike (Snake)	Removed from the road
09/03/2025	Diesel spill approx. 100 Litres	Cleaned up the spill and Oil Gone applied to the affected area
29/03/2025	Diesel spill approx. 500 Litres	Oil Gone applied to the affected area. Loco drivers notified to complete a walk-around prior to departing
08/04/2025	Diesel spill approx. 5 Litres	Cleaned up the spill and Oil Gone applied to the affected area
29/04/2025	Wildlife strike (Kangaroo)	Removed from the road
30/04/2025	Injured wildlife (Bird)	Placed in care and deceased from injury
13/05/2025	Effluent spill approx. 100 Litres	Lime applied to the affected area & taps replaced with self-closing taps

28/05/2025	Diesel spill approx. 100 Litres	Cleaned up the spill and Oil Gone applied to the affected area
13/06/2025	Wildlife strike (Kangaroo)	Removed from the road
14/06/2025	Wildlife strike (Kangaroo)	Removed from the road
15/06/2025	Hydraulic spill approx. 4 Litres	Cleaned up the spill
20/06/2025	Incorrect waste disposal (concrete) approx. 2 tonnes	Cleaned up
06/07/2025	Deceased wildlife (Birds)	Cleaned up
08/07/2025	Wildlife strike (Kangaroo)	Removed from the road
12/07/2025	Diesel spill approx. 650 Litres	Cleaned up the spill
13/07/2025	Hydraulic spill 40 Litres	Cleaned up the spill and Oil Gone applied to the affected area
16/07/2025	Injured wildlife strike (Kangaroo)	Euthanised
16/08/2025	Wildlife strike (Kangaroo)	Removed from the road
17/08/2025	Injured wildlife strike (Bird)	Deceased from injury
22/08/2025	Diesel spill approx. 0.5 Litres	Applied Oil Gone to the affected area
13/09/2025	Diesel spill approx. 1 Litres	Cleaned up the spill
21/09/2025	Wildlife strike (Kangaroo)	Removed from the road
23/09/2025	Diesel spill approx. 20 Litres	Cleaned up the spill
01/10/2025	Diesel spill approx. 400 Litres	Applied Oil Gone to the affected area
12/10/2025	Wildlife strike (Kangaroo)	Deceased removed from the road & Joey taken to the Pilbara Wildlife Care
27/10/2025	Hydraulic spill approx. 200 Litres	Applied Oil Gone to the affected area
31/10/2025	Wildlife strike (Kangaroo)	Removed from the road
03/11/2025	Wildlife strike (Kangaroo)	Removed from the road

17/11/2025	Wildlife strike (Kangaroo)	Removed from the road
23/11/2025	Wildlife strike (Kangaroo)	Removed from the road

Note 3: Oil Gone is an eco-friendly bioremediation product

**Appendix D RTY WWTP Wastewater Inflow Volume**

Date	Flow Meter Reading Inflow (m <sup>3</sup> )	Cumulative Monthly Volume (m <sup>3</sup> )	Monthly Inflow Average (m <sup>3</sup> /day)
31/01/2025	2334	147	5
28/02/2025	2531	197	7
31/03/2025	2714	183	6
30/04/2025	2902	188	6
30/05/2025	3134	232	8
29/06/2025	3305	171	6
31/07/2025	3477	172	6
31/08/2025	3641	164	5
30/09/2025	3864	223	7
30/10/2025	4136	273	9
30/11/2025	4445	308	10
31/12/2025	4945	500	16