



Application for Licence Amendment

Part V Division 3 of the *Environmental Protection Act 1986*

Licence Number	L4762/1972/14
Licence Holder	Pilbara Iron Company (Services) Pty Ltd
ACN	107 210 248
File Number	DER2013/001057-2
Premises	<p>Greater Tom Price Iron Ore Mine</p> <p>Mining tenements ML4SA, G47/1258, G47/1260, L47/161, L47/209, L47/210, L47/342, L47/552, L47/645, L47/668, L47/698, L47/721, G47/1271, L47/745, L47/824, L47/826 and L47/858</p> <p>MOUNT SHEILA WA 6751</p> <p>As defined by the Premises map in Schedule 1 and the coordinates in Schedule 2 of the Revised Licence</p>
Date of Report	28/09/2022
Decision	Revised licence granted

**A/MANAGER, RESOURCE INDUSTRIES
REGULATORY SERVICES**

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

Table of Contents

1. Decision summary	1
2. Scope of assessment	1
2.1 Regulatory framework	1
2.2 Amendment summary	1
2.2.1 Addition of infrastructure constructed under W6353/2020/1	2
2.2.2 Expansion of premises boundary	3
2.3 Part IV of the EP Act	3
2.4 Consolidation of Licence	4
3. Risk assessment	4
3.1 Source-pathways and receptors	5
3.1.1 Emissions and controls	5
3.1.2 Receptors	6
3.2 Risk ratings	8
4. Consultation	12
5. Conclusion	12
5.1 Summary of amendments	12
References	16
Appendix 1: Summary of Licence Holder’s comments on risk assessment and draft conditions	17
Appendix 2: Application validation summary	18
Table 1: Proposed design capacity changes	2
Table 2: Expected effluent quality	3
Table 3: Licences consolidated in this amendment	4
Table 4: Licence Holder controls	5
Table 5: Environmental receptors and distance from prescribed activity	7
Table 6. Risk assessment of potential emissions and discharges from the Premises during operation	9
Table 7: Consultation	12
Table 8: Consolidation of licence conditions in this amendment	12

1. Decision summary

Licence L4762/1972/14 is held by Pilbara Iron Company (Services) Pty Ltd (Licence Holder) for the Greater Tom Price Iron Ore Mine (Premises).

This Amendment Report documents the assessment of potential risks to the environment and public health from proposed changes to the emissions and discharges during the operation of the Premises. As a result of this assessment, Revised Licence L4762/1972/14 has been granted.

The Revised Licence issued as a result of this amendment consolidates and supersedes the existing Licence and Amendment Notices 1 and 2 previously granted in relation to the Premises. The Revised Licence has been granted in a new format with existing conditions being transferred, but not reassessed, to the new format.

2. Scope of assessment

2.1 Regulatory framework

In completing the assessment documented in this Amendment Report, the department has considered and given due regard to its Regulatory Framework and relevant policy documents which are available at <https://dwer.wa.gov.au/regulatory-documents>.

2.2 Amendment summary

On 14 April 2022, the Licence Holder submitted an application (Rio Tinto 2022c) to the department to amend Licence L4762/1972/14 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). The following amendments are being sought:

- Increase in category 73 design capacity from 1,546 to 2,250 m³ (refer to Table 1);
- Addition of infrastructure constructed under W6353/2020/1 for the Western Turner Syncline Stage 2 (WTS2) processing facility and heavy vehicle refuelling facility (HVRF) – refer to section 2.2.1; and
- Expansion of the premises boundary (refer to section 2.2.2).

On 7 September 2022, the Licence Holder submitted an application (Rio Tinto 2022d) to include the wastewater treatment plant (WWTP) constructed under W6353/2020/1 – refer to Table 1 and section 2.2.1.

This amendment is limited only to design capacity changes to category 54 and 73 activities from the existing licence as shown in Table 1.

No changes to the design capacity of category 5, 6, 12 and 64 under the existing licence have been requested by the Licence Holder.

Table 1: Proposed design capacity changes

Category	Current design capacity	Proposed design capacity	Description of proposed amendment
54	320 m ³ /day	305 m ³ /day	<p>The existing WWTPs on Premises include:</p> <ul style="list-style-type: none"> • Mine Camp WWTPs with a combined design capacity of 248 m³/day; • Mine Operations Centre (MOC) WWTP with an existing capacity of 36 m³/day; and • Beneficiation Plant WWTP with an existing design capacity of 36 m³/day. <p>The WWTP constructed under W6353/2020/1 will replace the existing Beneficiation Plant WWTP and has a design capacity of 21 m³/day.</p>
73	1,546 m ³ in aggregate	2,250 m ³ in aggregate	Increase of 704 m ³ which was approved and assessed under W6353/2020/1

2.2.1 Addition of infrastructure constructed under W6353/2020/1

WTS2 processing facility

The WTS2 processing facility includes a Run-of-Mine (ROM) pad with heavy vehicle access from both B1 and Section 17. Material from the ROM pad feeds to the ROM bin, which has been designed to accommodate feed from two haul trucks tipping simultaneously. Ore is transferred from the ROM bin onto an apron feeder, to a vibrating grizzly with oversize material being fed to the primary crusher. The primary crushing facility is a gyratory crusher, designed to process 36 million tonnes per annum (Mtpa). Ore from the primary crusher is fed to the overland conveyor (OLC) via a transfer conveyor. The OLC ties in to the existing Section 10 OLC at the eastern extent through a transfer station which includes a surge bin and apron feeder.

To note: the WTS2 processing facility does not increase the approved category 5 design capacity of 40 Mtpa under the existing licence.

Compliance and commissioning reports for the WTS2 processing facility were received by the department on 31 August 2021 (Rio Tinto 2021c) and 15 December 2021 (Rio Tinto 2021d) respectively.

HVRF

A HVRF has been constructed to support the mining fleet. The HVRF includes:

- Three 200,000 L fuel storage tanks;
- Road train unloading;
- Heavy vehicle refuelling bay with fuel arms and associated bunds as per Australian Standard (AS) 1940-2004 *The storage and handling of flammable and combustible liquids*;
- Light vehicle refuelling;
- Storage of engine oil, hydraulic oil, coolant and grease at each of the refuel bay (constructed as per AS 1940-2004);

- Spillage drive-in construction sump;
- Concrete hardstand at road tanker unloading pads, unloading pump, dispensing pump and heavy vehicle refuelling bays; and
- Oily water collection and treatment system (OWS).

A compliance report for the HVRF and a commissioning report for the OWS were received by the department on 12 May 2021 (Rio Tinto 2021a) and 22 July 2021 (Rio Tinto 2021b).

New Beneficiation Plant WWTP

The existing Beneficiation Plant WWTP at the Premises had a maximum design capacity of 36 m³/day. A new WWTP has been constructed under W6353/2020/1 with a maximum design capacity of 21 m³/day and has been installed adjacent to the old Beneficiation Plant WWTP, which will be decommissioned.

The expected wastewater effluent quality of the WWTP is shown in Table 2.

Table 2: Expected effluent quality

Parameter	Effluent quality
Biochemical Oxygen Demand	< 20 mg/L
Total Suspended Solids	< 30 mg/L
pH	6.5 – 8.5
Total Nitrogen	< 10 mg/L
Total Phosphorus	< 2 mg/L
E.coli	< 10 cfu/100 mL

Compliance and commissioning reports for the new WWTP were received by the department on 2 March 2022 (Rio Tinto 2022a) and 1 July 2022 (Rio Tinto 2022b).

2.2.2 Expansion of premises boundary

The Licence Holder has requested that the premises boundary be expanded under this licence amendment to incorporate tenements approved under W6353/2020/1.

The department has updated the premises boundary during this amendment.

2.3 Part IV of the EP Act

The Western Turner Syncline Iron Ore Project - Revised Proposal was assessed by the Environmental Protection Authority (EPA) and approved under Ministerial Statement (MS) 1031.

- Condition 5 relates to riparian vegetation (flora and vegetation) in particular, maintaining the health of riparian vegetation of the Beasley and Hardey River Systems.
- Table 2 of MS 1031 authorises the physical and operation elements of the revised proposal, and requires, for surplus dewater management, that “*disposal through controlled dewater discharge to:*
 - *Beasley River. The wetting front to extend no further than 20 km downstream of the designated discharge point under natural no-flow conditions.*
 - *Hardey River. The wetting front to extend no further than 15 km downstream of*

the designated discharge point under natural no-flow conditions.”

- Rehabilitation and decommissioning are also regulated by Condition 6 of MS 1031.

Requirements of MS 1031 are not re-assessed in this amendment report and are not duplicated as conditions in the existing licence.

2.4 Consolidation of Licence

As part of this amendment package the department has consolidated the licence by incorporating changes made under the Amendment Notices as summarised in Table 3.

Table 3: Licences consolidated in this amendment

Instrument	Issued	Summary of approval
L4762/1972/14	17/10/2017	<p>Amendment Notice 1</p> <ul style="list-style-type: none"> • Increased design capacity for Category 6; • Inclusion of the WTS S10 dewatering outfall discharge point; • Increased design capacity for Category 64; • Decreased design capacity for Category 73; • Reduction in the monitoring parameters of the WTS S2 discharge; • Construction and operation of the WTS B1 putrescible landfill; and • Other administrative changes.
L4762/1972/14	9/09/2019	<p>Amendment Notice 2</p> <ul style="list-style-type: none"> • Amend Premises boundary to include a northern access road to connect the Western Turner Syncline mine to White Quartz Road; and • Operate a mobile crushing and screening plant adjacent to the access road (No changes to Category 12 capacity).

The obligations of the Licence Holder have not changed in consolidating the licence. The department has not undertaken any additional risk assessment of the Premises related to previous Amendment Notices.

In consolidating the licence, the CEO has:

- updated the format and appearance of the Licence;
- revised licence condition numbers, removed any redundant conditions and realigned condition numbers for numerical consistency; and
- corrected clerical mistakes and unintentional errors.

The full consolidation of licence conditions as they relate to this Revised Licence are detailed in Section 5.1. Previously issued Amendment Notices will remain on the department’s website for future reference and will act as a record of the department’s decision making.

3. Risk assessment

The department assesses the risks of emissions from prescribed premises and identifies the potential source, pathway and impact to receptors in accordance with the *Guideline: Risk assessments* (DWER 2020).

To establish a Risk Event there must be an emission, a receptor which may be exposed to that emission through an identified actual or likely pathway, and a potential adverse effect to the receptor from exposure to that emission.

3.1 Source-pathways and receptors

3.1.1 Emissions and controls

The key emissions and associated actual or likely pathway during premises operation which have been considered in this Amendment Report are detailed in Table 4 below. Table 4 also details the proposed control measures the Licence Holder has proposed to assist in controlling these emissions, where necessary.

Table 4: Licence Holder controls

Emission	Sources	Potential pathways	Proposed controls (W6353/2020/1 Decision Report, Rio Tinto 2021a and Rio Tinto 2021c)
WTS2 processing facility			
Dust	Operation of the WTS2 processing facility Vehicle movements	Air/windborne	<ul style="list-style-type: none"> Dust extraction system on the crusher with dust extraction points located at the ROM bin apron feeder, vibrating grizzly apron feeder and the primary crusher discharge chute. Dust suppression sprays at the primary crusher discharge chute. Load points of each conveyor include covers and dust suppression sprays. The OLC has a permanent cover. Transfer points enclosed. Regular inspection and maintenance undertaken at processing facilities to collect and remove material that may present a potential dust risk. Monitoring of in-situ water content in the ore product undertaken to inform the application of water for dust suppression. Monitoring of dust levels to guide the management of dust emissions.
Noise		Windborne and vibration	Compliance with the <i>Environmental Protection (Noise) Regulations 1997</i> .
Hydrocarbon spill	Operation of the WTS2 processing facility	Direct discharges to land	<ul style="list-style-type: none"> All major equipment located within the WTS2 processing facility contains enough internal bunding capacity (at least 110% capacity) to ensure there are no spills to the concrete hardstand in the case of major equipment failure. Any potential hydrocarbon contaminated runoff is directed to the

Emission	Sources	Potential pathways	Proposed controls (W6353/2020/1 Decision Report, Rio Tinto 2021a and Rio Tinto 2021c)
			stormwater collection sump via the concrete hardstand installed under and around the WTS2 processing facility and is recovered via a sucker truck extraction to one of the OWS or removed from site as a contaminated waste.
Contaminated stormwater – hydrocarbons and sediment	Overland runoff	Direct discharges to land	<ul style="list-style-type: none"> Surface water flows around the facilities directed to the surface water run-off collection sump to retain any sediment laden surface water, prior to being directed to the sedimentation pond.
New Beneficiation Plant WWTP			
Rupture of pipes / overtopping of holding tanks	Sewage pipes and holding tanks	Direct discharges to land	<ul style="list-style-type: none"> Operated to manufacturer's specifications. Concrete tank modules. In-built emergency storage of approximately two days at normal flow. Inspection and preventative maintenance undertaken.
Treated effluent to land	Single point discharge of treated effluent	Direct discharges to land	<ul style="list-style-type: none"> Monitoring of effluent quality.
HVRF			
Breach of containment	Operation of HVRF	Direct discharge and path of flow	<ul style="list-style-type: none"> Designed and constructed in accordance with AS 1940-2004 and the Department of Mines, Industry Regulation and Safety licensing requirements. Potentially contaminated surface water collected in sumps and directed to the OWS. Bunding and secondary containment at the HVRF.
Refuelling			

3.1.2 Receptors

In accordance with the *Guideline: Risk assessments* (DWER 2020), the Delegated Officer has excluded employees, visitors and contractors of the Licence Holder's from its assessment. Protection of these parties often involves different exposure risks and prevention strategies, and is provided for under other state legislation.

Table 5 below provides a summary of potential environmental receptors that may be impacted

as a result of activities upon or emission and discharges from the prescribed premises (*Guideline: Environmental siting* (DWER 2020)).

Table 5: Environmental receptors and distance from prescribed activity

Environmental receptors	Distance from prescribed activity
Public Drinking Water Source Area	Paraburdoo Water Reserve (Priority 1) 1 km south of the WWTP discharge point.
Threatened/Priority Flora	Priority 2 and Priority 3 species located 1 km south of the WWTP discharge point.
Threatened/Priority Fauna	Priority 4 (mammal) located 1.3 km north-west of the processing and fuel storage facilities. Priority 4 (mammal) located 1 km south-east of the processing and fuel storage facilities.
Surface water	WWTP discharges into a minor creek. The conveyor belt intersects numerous minor, non-perennial watercourses.
<i>Rights in Water and Irrigation Act 1914</i>	The Premises is located within the Proclaimed Pilbara Groundwater and Surface Water Areas

3.2 Risk ratings

Risk ratings have been assessed in accordance with the *Guideline: Risk Assessments* (DWER 2020) for those emission sources which are proposed to change and takes into account potential source-pathway and receptor linkages as identified in Section 3.1. Where linkages are incomplete they have not been considered further in the risk assessment.

Where the Licence Holder has proposed mitigation measures/controls (as detailed in Section 3.1), these have been considered when determining the final risk rating. Where the Delegated Officer considers the Licence Holder's proposed controls to be critical to maintaining an acceptable level of risk, these will be incorporated into the licence as regulatory controls.

Additional regulatory controls may be imposed where the Licence Holder's controls are not deemed sufficient. Where this is the case the need for additional controls will be documented and justified in Table 6.

The Revised Licence L4762/1972/14 that accompanies this Amendment Report authorises emissions associated with the operation of the Premises.

The conditions in the Revised Licence have been determined in accordance with *Guidance Statement: Setting Conditions* (DER 2015).

Table 6. Risk assessment of potential emissions and discharges from the Premises during operation

Risk Event					Risk rating ¹ C = consequence L = likelihood	Licence Holder's controls sufficient?	Conditions ² of licence	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Licence Holder's controls				
Operation								
Operation of processing facility	Dust	Air/windborne pathway causing impacts to amenity. Smothering vegetation impacting photosynthesis	Vegetation adjacent to processing facility	Refer to Section 3.1	C = Slight L = Unlikely Low Risk	Y	Condition 5 The general provisions of the EP Act with respect to the causing of pollution and environmental harm also apply.	Construction compliance documentation has been received which demonstrates that infrastructure has generally been constructed in accordance with infrastructure construction requirements conditioned under W6353/2020/1. Inclusion of condition 5 to ensure that all infrastructure is maintained in good working order.
	Noise	Noise and vibration impacts on fauna habitats	Threatened fauna	Refer to Section 3.1	C = Slight L = Unlikely Low Risk	Y	No conditions imposed. The <i>Environmental Protection (Noise) Regulations 1997</i> apply.	N/A.
	Hydrocarbon spill	Direct discharges to land causing impacts to soil, inhibiting vegetation growth/survival, health impacts to fauna	Soil and vegetation adjacent to areas of spill or breach	Refer to Section 3.1	C = Minor L = Possible Medium Risk	Y	Conditions 3 and 4 on existing licence. General provisions of the EP Act and the <i>Environmental Protection (Unauthorised Discharges) Regulations</i>	N/A.

Risk Event					Risk rating ¹ C = consequence L = likelihood	Licence Holder's controls sufficient?	Conditions ² of licence	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Licence Holder's controls				
							2004 apply.	
	Contaminated stormwater (hydrocarbons and sediment)	Overland runoff potentially causing contamination of soil and impacts to surface water	Soil and surface water receptors – minor creeks to the north and south of the processing facility	Refer to Section 3.1	C = Minor L = Possible Medium Risk	Y	Condition 2 on existing licence relating to stormwater management. The <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i> also apply.	N/A.
Sewage pipes and holding tanks	Rupture of pipes/ overtopping of holding tanks resulting in sewage discharge to land	Direct discharge to land potentially causing contamination of soil, inhibiting vegetation growth and survival.	Soil and vegetation adjacent to area of spill	Refer to section 3.1	C = Minor L = Unlikely Medium Risk	Y	Condition 5	Construction compliance documentation has been received which demonstrates that infrastructure has generally been constructed in accordance with infrastructure construction requirements conditioned under W6353/2020/1. Inclusion of condition 5 to ensure that all infrastructure is maintained in good working order.
Single point discharge of treated effluent to the WWTP	Treated effluent to land	Direct discharge to land with potential impacts to the health of native flora and	Native flora and fauna	Refer to section 3.1	C = Minor L = Possible Medium Risk	Y	Condition 11 Condition 15 on the existing licence for WWTPs monitoring.	Authorised discharge point for the Beneficiation Plant WWTP.

Risk Event					Risk rating ¹	Licence Holder's controls sufficient?	Conditions ² of licence	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Licence Holder's controls	C = consequence L = likelihood			
		fauna						
Operation of fuel storage facilities	Breach of containment causing discharge to land of the contents of the tanks	Direct discharge causing contamination of the soil and groundwater underneath depending on size of spill	Soil and groundwater underneath area of spill or breach	Refer to Section 3.1	C = Moderate L = Unlikely Medium Risk	Y	<p>Condition 5</p> <p>The <i>Dangerous Goods Safety Act 2004</i> and associated Regulations will apply during all operations, and are administered by the Department of Mines, Industry Regulation and Safety.</p> <p>The <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i> also apply.</p>	<p>Construction compliance documentation has been received which demonstrates that infrastructure has generally been constructed in accordance with infrastructure construction requirements conditioned under W6353/2020/1.</p> <p>Inclusion of condition 5 to ensure that all infrastructure is maintained in good working order.</p>
	Refuelling spills							

Note 1: Consequence ratings, likelihood ratings and risk descriptions are detailed in the *Guideline: Risk assessments* (DWER 2020).

Note 2: Proposed Licence Holder's controls are depicted by standard text. **Bold and underline text** depicts additional regulatory controls imposed by department.

4. Consultation

Table 7 provides a summary of the consultation undertaken by the department.

Table 7: Consultation

Consultation method	Comments received	Department response
Licence Holder was provided with draft amendment on 30/08/2022 and 12/09/2022	Comments received on 23/09/2022. Refer to Appendix 1.	Refer to Appendix 1.

5. Conclusion

Based on the assessment in this Amendment Report, the Delegated Officer has determined that a Revised Licence will be granted, subject to conditions commensurate with the determined controls and necessary for administration and reporting requirements.

5.1 Summary of amendments

Table 8 provides a summary of the proposed amendments and will act as record of implemented changes. All proposed changes have been incorporated into the Revised Licence as part of the amendment process.

Table 8: Consolidation of licence conditions in this amendment

Existing condition	Condition summary	Revised licence condition	Conversion notes
N/A	Premises	Premises details	Tenure updated as per Licence Holder's request under this amendment.
N/A	Prescribed Premises Category table	Prescribed Premises Category table	Revised to current licence format. Changes to category 54 and 73 design capacities – refer to section 2.2.
N/A	Definitions	Table 11	Definitions have been moved to Table 11 in line with current licence format.
N/A	N/A	Licence history	Included as per current licence format.
N/A	N/A	Interpretation	Included as per current licence format.
1a and 1(b)	Mobile Crushing and Screening Plant	6	Previous conditions 1(a) and 1(b) have been removed and are now covered under condition 6 for operational requirements for the mobile crushing and screening plant(s).
2	WWTP discharges	11	Previous condition 2 has been removed and is now covered by condition 11 as an authorised discharge point(s). During this amendment the MOC WWTP discharge point and the new Beneficiation Plant WWTP discharge point have been listed as authorised discharge points.

Existing condition	Condition summary	Revised licence condition	Conversion notes
3		15 and 21	Previous condition 3 has been removed is now covered by condition 15 (WWTPs monitoring) and condition 21 (Annual Environmental Report).
4		15 and 21	Previous condition 4 has been removed and is now covered by condition 15 (WWTP monitoring) with the reporting requirement and comparison against the NWQMS 1997 covered by condition 21 (Annual Environmental Report).
5	Stormwater management	2	Condition retained – administrative changes only.
6	Surface water – discharge outfall	12	Previous condition 6 has been removed and is now covered under condition 12 for emission and discharge limits.
7	Water monitoring	11, 12, 15 and 21	Previous condition 7 has been removed is now covered by condition 11 (authorised discharge points), condition 12 (emissions and discharge limits), condition 15 (Surface Water Monitoring Sites including volumes discharged) and condition 21 for reporting in the Annual Environmental Report.
8		15 and 21	<p>Previous condition 8 has been removed and is now covered by condition 15 (Surface Water Monitoring Sites, Ground Water Monitoring Sites, Dewatering Water Monitoring Sites for the Beasley River and Hardey River) and reporting requirements through condition 21 (Annual Environmental Report).'</p> <p>During this amendment, "monthly when flowing" has been added for Section 6 Pit Discharge Point as requested by the Licence Holder. <i>Rio Tinto 2022</i> states "As the pit discharge point has intermittent flow, the ability to monitor monthly and thus meet Condition 8 of the licence is not achievable."</p>
9	Guideline Values – Site Specific Trigger Values (SSTV)	21 and Schedule 4	Previous condition 9 is now covered by the reporting requirements of condition 21 and previous Tables 3 and 4 have been moved to Schedule 4 Tables 14 and 15 with no changes made.
10	Dewatering discharge flows	6	Previous condition 10 has been removed and is now covered by condition 6 as an operational requirement.
11	Disposal of biosolids and other residuals	13	Previous condition 11 has been removed and is now covered by condition 13 as a waste process specification.
12		6 and 13	Previous condition 12 is now covered by conditions 6 (operational requirement) and 9 (waste process specification).

Existing condition	Condition summary	Revised licence condition	Conversion notes
13		6	Previous condition 13 has been removed and is now covered by condition 6 as an operational requirement.
14	Waste management from ancillary operations	3	Condition retained – administrative changes only.
15		4	Condition retained – administrative changes only.
16 and 17	Tailings Storage Facility	6	Previous conditions 16 and 17 have been removed and are now covered by condition 6 as operational requirements.
18, 19, 21 and 22	Management of putrescible landfill	13	Previous conditions 18, 19, 21, 22, 23, 25 and 26 have been removed and are now covered under condition 13.
23, 25 and 26	Management of waste dump landfill		During this amendment the following have been added: <ul style="list-style-type: none"> • Sewage as a waste type and the capacity limit of category 54 for the WWTPs stipulated. • The capacity limit for category 64 (all waste types). • The location/s where landfilling can take place.
20 and 24	Covering of waste	14	Previous conditions 20 and 24 have been removed and are now covered by condition 14.
27	Reporting conditions	15 and 17	Previous condition 27 has been removed and is now covered by condition 15 (Method) and condition 17 for the analysis of chlorophyll a.
28		16	Previous condition 28 has been removed and is now covered by condition 16.
29		12, 15, 20 and 21	Previous condition 29 has been removed and is now covered by condition 12 (emission and discharge limits), condition 15 (emissions and discharge monitoring), condition 20 (Annual Audit Compliance Report (AACR) - reporting on throughputs for each category) and condition 21 for reporting requirements.
30		20	Previous condition 30 has been removed and is now covered by condition 20 for the AACR.
31	Special Waste Type 2 Disposal Requirements	13 and 14	Previous condition 31 has been removed and is now covered by condition 13 (waste process specifications) and condition 14 (covering of waste).

Existing condition	Condition summary	Revised licence condition	Conversion notes
32, 33, 34 and 35	WTS B1 Putrescible landfill	7, 8, 9 and 10	Conditions retained – administrative changes only.
36, 37, 38 and 39	WTS S10 Dewatering Infrastructure Requirements	N/A	Previous conditions 36, 37, 38 and 39 have been removed. <i>Rio Tinto 2017a</i> and <i>Rio Tinto 2017b</i> were received on the 26 October 2017 and 31 October 2013 satisfying these conditions.
40	Contingency actions	18	Condition retained – administrative changes only.
41		22	Condition retained – administrative changes only.
42		23	Condition retained – administrative changes only.
Attachment 10	AACR template	N/A	The AACR template has been removed as per current licence format.
N/A	Production or design capacity limits	1	Inclusion of condition 1 to define premises category limits for the licence.
N/A	Infrastructure and equipment	5 Schedule 3 (Table 13)	Inclusion of condition 5 to ensure all infrastructure and equipment associated with a category and/or activity on the licence are maintained and operated in good working order.
N/A	Emissions and discharges	11	During this amendment the following changes have been made to new condition 11: <ul style="list-style-type: none"> Inclusion of all authorised discharge points and associated locations defined by Schedule 1 Figures.
N/A	Records and reporting	19	Included as per current licence format for complaints.
N/A		24	Included as per current licence format.
N/A		25	Included as per current licence format.
N/A	Figures	Schedule 1: Figures	Updated as required.
N/A	Premises boundary	Schedule 2: Premises boundary	Premises boundary coordinates included.

References

1. Department of Environment Regulation (DER) 2015, *Guidance Statement: Setting Conditions*, Perth, Western Australia.
2. Department of Water and Environmental Regulation (DWER) 2020, *Guideline: Environmental Siting*, Perth, Western Australia.
3. DWER 2020, *Guideline: Risk Assessments*, Perth, Western Australia.
4. L4762/1972/14 Amendment Notice 1 available at [IR-T08 Amendment Notice \(Major\) template \(der.wa.gov.au\)](#).
5. L4762/1972/14 Amendment Notice 2 available at [IR-T08 Amendment Notice \(Major\) template \(der.wa.gov.au\)](#).
6. Rio Tinto 2022c, *Application for a Licence Amendment under the Environmental Protection Act 1986 (WA) – L4762/1972/14* (RTIO-HSE-0358586), received 14 April 2022 (DWERDT592171).
7. Rio Tinto 2022d, *Application for Licence Amendment – L4762_1972_14*, received 7 September 2022 (DWERDT655521).
8. Rio Tinto 2017a, *Compliance Statement – L4762/1972/14 Western Turner Syncline – S10 Dewatering Discharge Point* (RTIO-HSE-0314229), received 26 October 2017 (A1552694).
9. Rio Tinto 2017b, *RE: Compliance Statement – L4762/1972/14 (S10 Dewatering Discharge Point)*, received 31 October 2017 (A1553082).
10. Rio Tinto 2021a, *Compliance Statement – Works Approval W6353/2020/1 Greater Tom Price Iron Ore Mine – W6353/2020/1 Western Turner Syncline Phase 2 Project, Western Turner Syncline 2 Heavy Vehicle Refuelling Facility* (RTIO-HSE-0352860), received 12 May 2021 (A2006604).
11. Rio Tinto 2021b, *Commissioning Report – Works Approval W6353/2020/1 Greater Tom Price Iron Ore Mine – Western Turner Syncline Phase 2 Project* (RTIO-HSE-0354504), received 22 July 2021 (DWERDT481432).
12. Rio Tinto 2021c, *Compliance Statement – Works Approval W6353/2020/1 Greater Tom Price Iron Ore Mine – W6353/2020/1 Western Turner Syncline Phase 2 Project, Western Turner Syncline 2 Processing Facility* (RTIO-HSE-0355609), received 31 August 2021 (A2046289).
13. Rio Tinto 2021d, *Commissioning Report – Works Approval W6353/2020/1 Greater Tom Price Iron Ore Mine – L47/62/1972/14 Western Turner Syncline Phase 2 Project. Western Turner Syncline 2 Processing Facility* (RTIO-HSE-0357364), received 15 December 2021 (DWERDT543045).
14. Rio Tinto 2022a, *Environmental Compliance Report - Works Approval W6353/2020/1: Tom Price Mine - Wastewater Treatment Facilities* (RTIO-HSE-0358031), dated 1 March 2022 (DWERDT571618).
15. Rio Tinto, 2022b, *Environmental Commissioning Report Works Approval W6353/2020/1, Greater Tom Price Iron Ore Mine – Wastewater Treatment Plant* (RTIO-HSE-0360275), dated 1 July 2022 (DWERDT626113).
16. Rio Tinto 2019, *Works Approval Supporting Documentation Greater Tom Price Iron Ore Mine (L4762/1972) Western Turner Syncline Hub Proposal* (RTIO-HSE-0338477), dated 2 December 2019 (DWERDT229711).
17. W6353/2020/1 Decision Report available at [IR-T04 Decision report template \(der.wa.gov.au\)](#).

Appendix 1: Summary of Licence Holder's comments on risk assessment and draft conditions

Condition	Summary of Licence Holder's comment	Department's response
Premises details	The Licence Holder has requested that mining tenements L47/161, L47/552 and L47/698 are added to the premises details as they were mistakenly left out of the first licence amendment application.	The department has included the requested tenure.
Prescribed premises map	The Licence Holder has requested that the prescribed premises map be updated.	The department has updated Figure 1: Map of the boundary of the prescribed premises as requested.
Condition 21 – Table 10 for the WWTPs	The Licence Holder has advised of a spelling error. Replace tubular with tabular.	The department has made the requested change.
Appendix 2 of the Decision Report	Administrative error as Table 1 states no change to category 54.	The department has updated Appendix 2 with the revised application validation summary to include the changes to the WWTP and category 54.

Appendix 2: Application validation summary

SECTION 1: APPLICATION SUMMARY					
Application type					
Amendment to licence	<input checked="" type="checkbox"/>	Current licence number:	L4762/1972/14		
		Relevant works approval number:	W6353/2020/1	N/A	<input type="checkbox"/>
Registration	<input type="checkbox"/>	Current works approval number:		None	<input type="checkbox"/>
Date application received	14 April 2022 Updated Application Form received 29/04/2022 (A2098873) 7 September 2022 Amendment Application Form for the wastewater treatment plant (WWTP) constructed under W6353/2020/1.				
Applicant and Premises details					
Applicant name/s (full legal name/s)	Pilbara Iron Company (Services) Pty Ltd (ACN: 107 210 248)				
Premises name	Greater Tom Price Iron Ore Mine				
Premises location	Mining tenements ML4SA, G47/1258, G47/1260, L47/161, L47/209, L47/210, L47/342, L47/552, L47/645, L47/668, L47/698, L47/721, G47/1271, L47/745, L47/824, L47/826 and L47/858 MOUNT SHEILA WA 6751				
Local Government Authority	Shire of Ashburton				
Application documents					
HPCM file reference number:	DER2013/001057-2				
Key application documents (additional to application form):	<p><u>WTS2 Processing Facility:</u></p> <ul style="list-style-type: none"> Compliance report received 31 August 2021 (A2046289); and Commissioning report received 15 December 2021 (DWERDT543045). <p><u>Heavy Vehicle Refuelling Facility:</u></p> <ul style="list-style-type: none"> Compliance report received 12 May 2021 (A2006604); and Commissioning report received 22 July 2021 (DWERDT481432). <p><u>WWTP</u></p> <ul style="list-style-type: none"> Compliance report received 2 March 2022 (DWERDT571618); and Commissioning Report received 1 July 2022 (DWERDT626113). <p><i>Works Approval Supporting Documentation Greater Tom Price Iron Ore Mine (L4762/1972) Western Turner Syncline Hub Proposal (RTIO-HSE-0338477), dated 2 December 2019 (DWERDT229711).</i></p>				

Scope of application/assessment		
Summary of proposed activities or changes to existing operations.	Licence amendment to: <ul style="list-style-type: none"> allow the operation of the Western Turner Syncline Stage 2 (WTS2) processing facility constructed under W6353/2020/1; allow the operation of the WWTP constructed under W6353/2020/1/ and change the category 54 design capacity; increase the design capacity for category 73 (as shown below) to include the heavy vehicle refuelling facility (704 m³) constructed under W6353/2020/1; and expand the premises boundary. 	
Category number/s (activities that cause the premises to become prescribed premises)		
Table 1: Prescribed premises categories		
Prescribed premises category and description	Assessed production or design capacity	Proposed changes to the production or design capacity (amendments only)
Category 5: Processing or beneficiation of metallic or non-metallic ore	40,000,000 tonnes per annual period	No change
Category 6: Mine dewatering	11,000,000 tonnes per annual period (WTS2 B1 and S17 Deposits) 7,300,000 tonnes per annual period (WTS S10 Deposit) 3,000,000 tonnes per annual period (SEP Deposit)	No change
Category 12: Screening, etc. of material	10,000,000 tonnes per annual period	No change
Category 54: Sewage facility	320 m ³ /day	305 m ³ /day Removal of existing plant with a capacity of 36 m ³ /day; and replace with a new plant with a design capacity of 21 m ³ /day.
Category 64: Class II putrescible landfill site	8,000 tonnes per annual period	No change
Category 73: Bulk storage of chemicals, etc.	1,546 m ³ in aggregate	2,250 m ³ in aggregate
Legislative context and other approvals		
Has the applicant referred, or do they intend to refer, their proposal to the EPA under Part IV of the EP Act as a significant proposal?	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"/>

Does the applicant hold any existing Part IV Ministerial Statements relevant to the application?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Ministerial statement No: MS 1031 EPA Report No: 1565
Has the proposal been referred and/or assessed under the EPBC Act?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Reference No: N/A
Has the applicant demonstrated occupancy (proof of occupier status)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Certificate of title <input type="checkbox"/> General lease <input type="checkbox"/> Expiry: Mining lease / tenement <input checked="" type="checkbox"/> Expiry: Other evidence <input type="checkbox"/> Expiry:
Has the applicant obtained all relevant planning approvals?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Approval: Expiry date: If N/A explain why? State Agreement Mining Lease granted pursuant to the <i>Iron Ore (Hamersley Range) Agreement Act 1963 (WA)</i>
Has the applicant applied for, or have an existing EP Act clearing permit in relation to this proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	CPS No: N/A Clearing assessed and approved via MS 1031.
Has the applicant applied for, or have an existing CAWS Act clearing licence in relation to this proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Application reference No: N/A Licence/permit No: N/A Clearing assessed and approved via MS 1031.
Has the applicant applied for, or have an existing RIWI Act licence or permit in relation to this proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Application reference No: N/A Licence/permit No: N/A Licence / permit not required.
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the EP Act)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Name: Pilbara Type: Proclaimed Groundwater Area/Surface Water Area Has Regulatory Services (Water) been consulted? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Regional office: North West
Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Name: Paraburdoo Water Reserve Priority: P1 Are the proposed activities/ landuse compatible with the PDWSA (refer to WQPN 25)?

		Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> The facilities associated with this licence amendment are not within the PDWSA.
Is the Premises subject to any other Acts or subsidiary regulations (e.g. <i>Dangerous Goods Safety Act 2004, Environmental Protection (Controlled Waste) Regulations 2004, State Agreement Act xxxx</i>)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Iron Ore (Hamersley Range) Agreement Act 1963 (WA).</i> <i>Dangerous Goods Safety Act 2004 and Dangerous Goods Licences: DGS002673; DGS006583 – ETS002250</i>
Is the Premises within an Environmental Protection Policy (EPP) Area?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A
Is the Premises a known or suspected contaminated site under the <i>Contaminated Sites Act 2003</i> ?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Classification: Possibly contaminated – investigation required (PC–IR) Date of classification: 2/05/2017