



Application for Licence Amendment

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

Licence Number	L5275/1972/12
Licence Holder	Pilbara Iron Company (Services) Pty Ltd
ACN	107 210 248
File Number	DER2014/000429
Premises	Paraburdoo Iron Ore Mine and Eastern Range Project Located within Tenements – AML70/246, AML70/4, AG70/4, AG70/14, and L47/326 PARABURDOO WA 6754
Date of Amendment	9 March 2023
Decision	Revised licence granted

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

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1. Decision summary

Licence L5275/1972/12 is held by Pilbara Iron Company (Services) Pty Ltd (Licence Holder) for the Paraburdoo Iron Ore Mine and Eastern Range Project (the Premises), located within tenements AML70/246, AML70/4, AG70/4, AG70/14, and L47/326, Paraburdoo.

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 L5275/1972/12 has been granted.

The Revised Licence issued as a result of this amendment consolidates and supersedes the existing Licence 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 Application summary

On 15 September 2022, the Licence Holder submitted an application to the department to amend Licence L5275/1972/12 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). The following amendments are being sought:

- inclusion of infrastructure (Waste Rock Dump (WRD) landfill extension and Wastewater Treatment Plant (WWTP) (BioMAX C120) and irrigation spray field) that have been constructed and subject to commissioning (if required) under works approval W6591/2021/1;
- update content under condition 30, Table 3 relating to Tailings Storage Facility (TSF) Southern Cell to expand storage capacity; and
- provide flexibility in the location of proposed additional landfill sites within the prescribed premises boundary to meet specified design and management requirements.

This amendment is limited to the above changes related to Categories 64 and 85 activities from the existing Works Approval W6591/2021/1. No changes to the aspects of the existing Licence relating to Category 5, 6, 12, 52 and 73 have been requested by the Licence Holder.

Table 1 below outlines the proposed changes to the existing Licence.

Table 1: Proposed production or design capacity changes

Category	Current design or production capacity	Proposed design or production capacity	Description of proposed amendment
Category 5: Processing or beneficiation of metallic or non-metallic ore	30,000,000 tonnes per annual period (tpa)	-	No change to design capacity, only amend condition 30, table 3 related to the TSF Southern Cell to expand storage capacity
Category 64: Class II putrescible landfill site	5,000 tpa	10,000 tpa ¹	Increased capacity for the inclusion of tyre disposal and for future proposed / subsequent landfill facilities.
Category 85: Sewage facility	-	24 cubic metres (m ³) per day	New category to the Licence
Category 6: Mine dewatering	800,000 tpa	-	-
Category 12: Screening, etc. of material	10,000,000 tpa or more	-	-
Category 52: Electrical power generation	127.5 megawatts (MW)	-	-
Category 73: Bulk storage of chemicals, etc.	5,903 m ³ aggregate	-	-

Note 1: Increased capacity was requested with the second draft comments provided by the applicant.

2.3 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 2.

Table 2: Licences consolidated in this amendment

Instrument	Issued	Summary of approval
L5275/1972/11	12/08/2010	Amendment to include: <ul style="list-style-type: none"> removal of collapsed groundwater monitoring bores (MB16 and MB11); and inclusion of dewatering discharge point at Joe's Crossing
L5275/1972/12	15/05/2014	Licence re-issue
L5275/1972/12	29/04/2016	Notice of amendment of Licence expiry dates
L5275/1972/12	19/05/2016	Amendment to include: <ul style="list-style-type: none"> construction and operation of a new putrescible landfill; operation of a new waste dump landfill; removal of category 61; addition of categories 12 and 73; and other administrative changes
L5275/1972/12	15/12/2016	Amendment Notice 1

Licence: L5275/1972/12

Instrument	Issued	Summary of approval
		Licence amendment to include: <ul style="list-style-type: none"> • removal of selected groundwater monitoring sites at the new landfill, TSF and bioremediation facility; • change to the sampling frequency of pH for discharge water at Joe's Crossing; • conditions relating to the construction of the extended TSF Southern Cell; and • administrative changes.
L5275/1972/12	01/11/2017	Amendment Notice 2 DWER initiated amendment to include Special Waste Type 2 as a waste type authorised to be accepted and buried at the putrescible landfill in accordance with condition 12 of the Licence.
L5275/1972/12	09/03/2023	Amendment to include: <ul style="list-style-type: none"> • amalgamation of Licence with Notice of amendment of Licence expiry and Amendment Notices 1 and 2; • infrastructure that has been subject to commissioning, or no commissioning required under Works Approval W6591/2021/1; • updated content under condition 30 (now condition 3), Table 3 (now Table 2) that relates to the Tailings Storage Facility (TSF) Southern Cell to expand storage capacity; • provision for the flexibility in the location of proposed additional landfill sites within the prescribed premises boundary that would meet specified design and management requirements; and • administrative changes.

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's numbers, and 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 2020a).

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 3. This also details the proposed control measures the Licence Holder has proposed to assist in controlling these emissions, where necessary.

Table 3: Licence Holder controls

Emission	Sources	Potential pathways	Proposed controls
Construction			
Category 64			
Construction of new Category 64 landfill facilities	Dust	Air / windborne pathway	<ul style="list-style-type: none"> Licence L5275/1972/12 conditions 2, 4, 22 and 23 apply see section 3.1.2 for landfill design and management criteria / controls
Operation			
Category 5			
Tailings containing metals, metalloids, saline plume seeping into groundwater / surface water and lateral seepage to receptors	Increased tailings deposition in the TSF Southern Cell	Seepage and infiltration via fractured rock aquifer, subsurface, and groundwater	<ul style="list-style-type: none"> minimise seepage by reducing / capturing leachates and/or abstracting groundwater before it reaches receiving environments TSF Southern Cell capped upon closure to reduce leachate production Licence L5275/1972/12 conditions 3, 4, 8, 9, 12, 13, 14, 16, 17, 18, 19, 20, 21, 22, and 23 apply
Tailings material	Overtopping	Direct discharges to land Infiltration to soil	<ul style="list-style-type: none"> regular inspections and assessments of the TSF Southern Cell capacity to pump pooled surface water to storage ponds / turkey's nests current modelling undertaken to ensure capacity to endure extreme weather events Licence L5275/1972/12 conditions 3, 4, 8, 9, 12, 13, 14, 16, 17, 18, 19, 20, 21, 22, and 23 apply.

Emission	Sources	Potential pathways	Proposed controls
Category 64			
Leachate	Disposal of class II waste into landfill (expanded footprint)	Leaching / seepage through base and embankments	<ul style="list-style-type: none"> Licence L5275/1972/12 conditions 3, 15, 22 and 23 apply
Windblown waste		Air / windborne pathway	
Category 85			
Sewage Partially treated sewage Treated sewage	Containment loss from WWTP and associated pipelines	Direct discharge Overland flow	<ul style="list-style-type: none"> surface water management structures / bunding to ensure any spills are contained spill response procedure in place inspections and maintenance of the facility will be undertaken in accordance with manufacturer's requirements operation of alarm monitoring system to notify of any failures operation and maintenance of the WWTP in-built emergency storage of approximately two days of normal flow to allow any problem to be resolved before overflow occurs potential overflow will be diverted to holding tanks to prevent spillage standard management procedures implemented to effectively mitigate the risk of sewage emissions authorised discharged point of WWTP treated effluent to the irrigation spray field quarterly monitoring of the water quality of the effluent cumulative volume of all effluent discharges to be recorded monthly quarterly sampling and analysis of representative effluent discharge samples
Treated wastewater	Discharge to the irrigation spray field		

3.1.2 Additional landfill sites design and management conditions / criteria

The Licence Holder has requested condition/s to authorise construction of future landfill facilities within the prescribed premises boundary. The Licence Holder has provided design and management conditions / criteria as follows:

- landfill facilities will be located within the prescribed premise boundary;
- be established at a location so that a minimum distance of 3 m is maintained between the depth of excavated cells and/or trenches and the water table;
- landfill facilities will not be located within an Environmentally Sensitive Area;
- landfill facilities will be located more than 100 m from any permanent or perennial watercourse;
- landfill facilities will be located so that vertical distance between the waste and the highest seasonal and expected post mining ground water level is no less than 3 m (inert landfill) or 10 m (putrescible landfill);
- putrescible landfill facilities will be fenced to an appropriate height, gated and locked to minimise unauthorised access and windblown waste;
- fencing surrounding the perimeter of putrescible landfill facilities will be regularly inspected for damage and cleared of waste;
- landfill facilities will include a sign which clearly defines what waste is accepted;
- landfill facilities will have a firebreak at least 3 m in width around the boundary;
- surface water management structures (i.e., bunding) will divert surface water flows away from landfill facilities;
- a sump or bunding will collect any surface water that has come into contact with waste;
- tipping area of putrescible landfill facilities will not be greater than 30 m in length and 2 m above ground level height;
- waste in putrescible landfill facilities will be covered weekly to at least 200 mm so that no waste is left exposed (including at final landform design); and
- waste in inert landfill facilities will be covered on an ad-hoc basis when required, to at least 200mm at final landform design.

Section 3.2 provides the risk assessment of potential emissions and discharges from the premises during the construction and operation of category 64 landfill facilities under the figure is presented Figure 5, Schedule 1 maps within the Licence L5275/1972/12.

3.1.3 Receptors

In accordance with the *Guideline: Risk assessments* (DWER 2020a), 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 4 below provides a summary of potential human and environmental receptors that may be impacted as a result of activities upon or emission and discharges from the prescribed premises (*Guideline: Environmental siting* (DWER 2020b)).

Table 4: Sensitive human and environmental receptors and distance from prescribed activity

Human receptors	Distance from prescribed activity
No nearby human receptors	-
Environmental receptors	Distance from prescribed activity
Threatened (T) / Priority (P) Flora 1. <i>Aluta quadrata</i> T 2. <i>Hibiscus campanulatus</i> P1 3. <i>Goodenia</i> sp. East Pilbara (A.A. Mitchell PRP 727) P3	The threatened and priority flora occur within the prescribed premises boundary. No T / P flora occurs within the surrounding area of the WWTP.
T / P Fauna 1. Pilbara Leaf-nosed Bat (<i>Rhinonictis aurantia</i>) Vulnerable (VU) 2. Pilbara Olive Python (<i>Liasis olivaceus barroni</i>) VU	Threatened fauna have been within 2 km of the WWTP and WRD landfill expansion area. Note: The following have been recorded within or near the prescribed premises boundary, but more than 2 km from the WWTP and WRD landfill expansion area: 1. Northern Quoll (<i>Dasyurus hallucatus</i>) Endangered 2. Ghost Bat (<i>Macroderma gigas</i>) VU 3. Grey Falcon (<i>Falco hypoleucus</i>) VU 4. Western Pebble-mound Mouse (<i>Pseudomys chapmani</i>) P4 5. Common Sandpiper (<i>Actitis hypoleucos</i>) Migratory 6. Peregrine Falcon (<i>Falco peregrinus</i>) Other Specially Protected
Aboriginal and other heritage sites	Several registered sites are located adjacent to the prescribed premises boundary. The closest sites are located 600 m southeast of the WWTP and 250 m southeast of the landfill site.
Hydrology 1. Pirraburdoo Creek (ephemeral) 2. Bellary Creek and Seven Mile Creek (ephemeral)	Pirraburdoo Creek is located approximately 500 m to the south and 700 m north and east from the WRD landfill extension. Bellary / Seven Mile Creek is located approximately 1.5 km north of the WWTP.

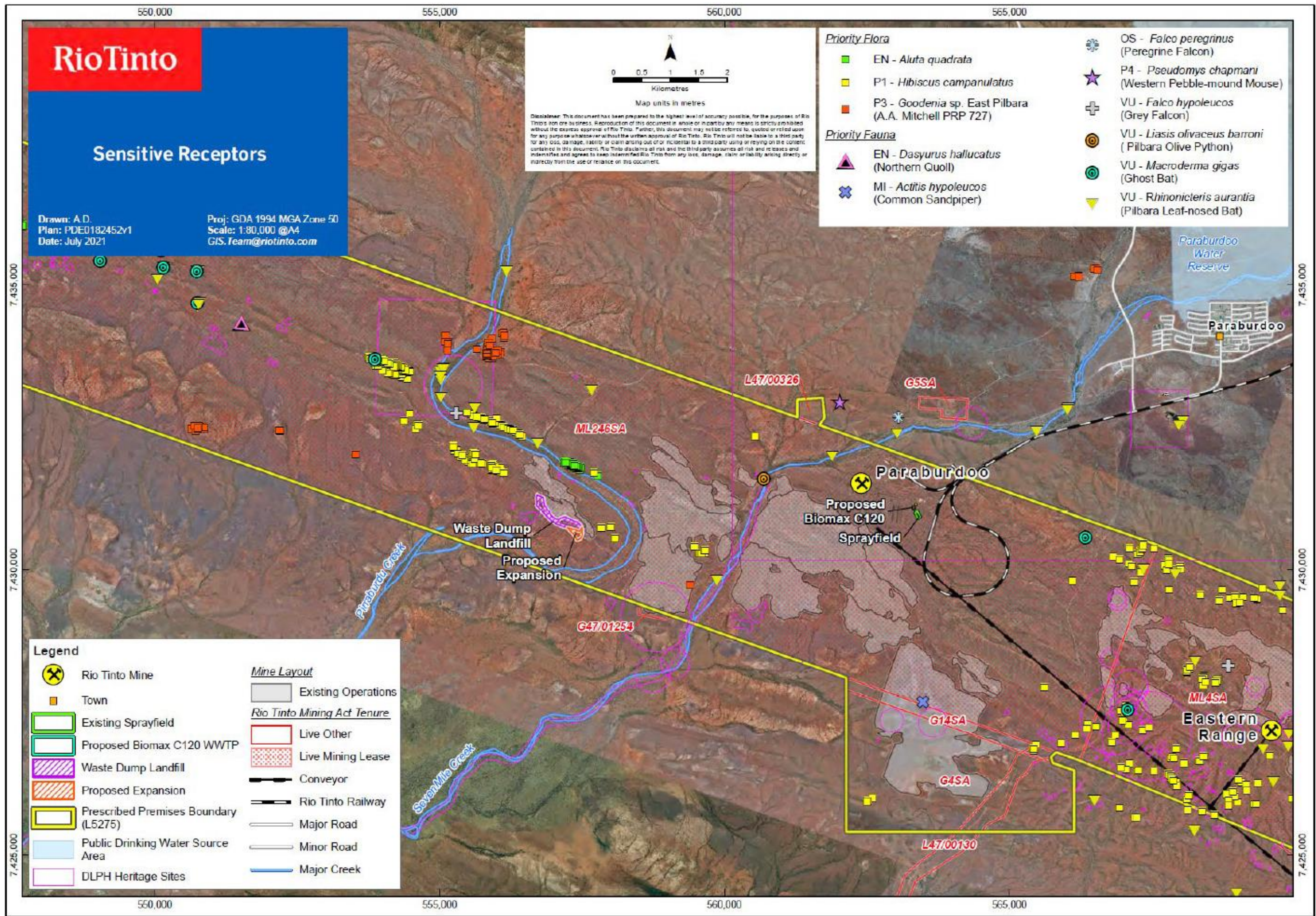


Figure 1: Distance to sensitive receptors

3.2 Risk ratings

Risk ratings have been assessed in accordance with the *Guideline: Risk Assessments* (DWER 2020a) 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 5.

The Revised Licence L5275/1972/12 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 5. Risk assessment of potential emissions and discharges from the Premises during construction and operation

Risk Event					Licence Holder's controls	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						
Construction									
Category 64									
Construction of landfill facilities	Dust	Air/windborne pathway causing impacts to health and amenity	Native vegetation, in particular threatened / priority flora		Refer to Section 3.1	C = Slight L = Unlikely Low Risk	Y	Conditions 2, 4, 22 (Table 5) and 23	Condition 2 has added to list the design and construction requirements under section 3.1.2 for any proposed subsequent landfill facilities constructed within the prescribed premises boundary. Condition 22, Table 5 has been added to provide further detail required in the Annual Environmental Reporting, in particular location of constructed landfill facilities and record of the volume of waste disposed of in the facilities.
Operation									
Category 5									
Increased tailings deposition in the TSF Southern Cell	Tailings containing metals, metalloids, saline plume seeping into groundwater / surface water and lateral seepage to receptors	Seepage and infiltration via fractured rock aquifer, subsurface, and groundwater Impacting the quality and ecology surface water / groundwater	Native vegetation, in particular threatened / priority flora and groundwater dependent ecosystems (GDEs) Stygofauna and troglofauna Surface water, including Pirraburdoo Creek and Seven Mile / Bellary Creeks Groundwater Soil		Refer to section 3.1	C = Moderate L = Unlikely Medium Risk	Y	Conditions 3, 4, 8, 9, 12, 13, 14, 16, 17, 18, 19, 20, 21, 22 (Table 5) , and 23	Condition 3 has been amended to include additional operational requirements under section 3.1.2 for any proposed subsequent landfill facilities constructed within the prescribed premises boundary. Condition 19 has been added a control to monitor the water balance for Paraburdoo TSF with the increase in tailings deposition and TSF storage capacity. Condition 22 (Table 5), refer to the comment above.
Overtopping	Tailings material	Direct discharges to land and infiltration to soil Contamination of soil and vegetation decline	Native vegetation, in particular threatened / priority flora, and GDEs Native fauna, particularly threatened / priority fauna Soil Surface water, including Pirraburdoo Creek, Seven Mile Creek, and Bellary Creek		Refer to section 3.1	C = Moderate L = Rare Medium Risk	Y	Conditions 3, 4, 8, 9, 12, 13, 14, 16, 17, 18, 19, 20, 21, 22 (Table 5) , and 23	Refer to the comments above related to condition 19 and 22.
Category 64									
Disposal of class II waste into landfill (expanded footprint)	Leachate	Leaching / seepage through base and embankments to soil and groundwater Soil and groundwater contamination	Soil Groundwater		Refer to section 3.1	C = Slight L = Unlikely Low Risk	Y	Conditions 3, 15, 22 (Table 5) and 23	Condition 15 has been added to list authorised discharge points for the BioMAX WWTP treated effluent and Landfill waste. Refer to the comments above related to conditions 3 and 22.
	Windblown waste	Air/windborne pathway Causing impacts to native vegetation, fauna, and nearby surface water	Native vegetation, in particular threatened / priority flora Native fauna, particularly threatened / priority fauna Surface water, including Pirraburdoo Creek and Seven Mile / Bellary Creeks		Refer to section 3.1	C = Slight L = Unlikely Low Risk	Y	Conditions 3, 15, 22 (Table 5) and 23	Refer to the comments above related to conditions 3, 15, and 22.
Category 85									
Containment loss from WWTP and associated pipelines	Sewage Partially treated sewage Treated sewage	Overland flow and direct discharge Causing impacts to adjacent native vegetation or surface water quality	Native vegetation, in particular threatened / priority flora Surface water, including Pirraburdoo Creek, Seven Mile Creek, and Bellary Creek		Refer to section 3.1	C = Slight L = Unlikely Low Risk	Y	Conditions 3, 15, 16, 17, 20, 21, 22 (Table 5) and 23	Condition 15 was a condition under works approval W6591/2021/1 that requires ongoing operation under this Licence. Monitoring requirements for operations for the WWTP has also been included under condition 17. Refer to the comments above related to conditions 3, 15, and 22.
Discharge to the irrigation spray field	Treated wastewater	Overland flow and direct discharge Causing impacts to adjacent native vegetation or surface water quality	Native vegetation, in particular threatened / priority flora Native fauna, particularly threatened / priority fauna Surface water, including Pirraburdoo Creek, Seven Mile Creek, and Bellary Creek		Refer to section 3.1	C = Minor L = Unlikely Medium Risk	Y	Conditions 3, 15, 16, 17, 20, 21, 22 (Table 5) and 23	Refer to the comments above related to conditions 3, 15, and 22.

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

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

4. Consultation

Table 6 provides a summary of the consultation undertaken by the department.

Table 6: Consultation

Consultation method	Comments received	Department response
Department of Jobs, Tourism, Science, and Innovation (JTSI) advised of proposal on 21 October 2022.	JTSI had no comments regarding the amendments to Licence L5275/1972/12, which the Department was informed on 23 November 2022.	-
Department of Mines, Industry Regulation and Safety (DMIRS) advised of proposal 21 October 2022.	No comments received.	-
Licence Holder was provided with draft amendment on 16 December 2022.	The Applicant provided comments on 2 February 2023 and are presented in Appendix 1.	The Department's response is provided in Appendix 1.
Licence Holder was provided with a second draft amendment on 10 February 2023.	The Applicant provided comments on 1 March 2023 and are presented in Appendix 2.	The Department's response is provided in Appendix 2.

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 7 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. Furthermore, Table 8 then provides a summary of the consolidation of licence conditions, including redundant conditions and revising the current licence format.

Table 7: Summary of licence amendments

Condition no.	Proposed amendments
Cover page	Updated Premises details and included category 85: Sewage facility to the prescribed premises category table.
-	Updated the Licence history table with the current amendments.
2, Table 1	Condition has been added to include the design and construction requirements for the construction of subsequent landfill facilities.
3, Table 2 (previously condition 30, Table 3)	Inserted the following infrastructure and their corresponding operational requirements: <ul style="list-style-type: none"> • BioMAX WWTP; • Irrigation sprayfield; and • Proposed / subsequent landfill facilities.
4 to 6 (previously 32 to 34)	Condition removed as compliance report has been submitted.

Condition no.	Proposed amendments
4	Condition previously 31, have been renumbered.
5 to 9	Conditions previously 7 to 11, have been renumbered.
12 to 17	Conditions have been incorporated in Condition 2, Table 1 (construction requirements) and Condition 3, Table 2 (operational requirements).
10 and 11	Conditions previously 18 and 19, have been renumbered.
12 to 14	Conditions previously 25 to 27, have been renumbered.
15 (previously 28)	Condition added for authorised discharge points for the BioMAX WWTP treated effluent and Landfill has been included.
16 to 18	<p>Conditions previously 29 to 31, have been renumbered.</p> <p>Included the monitoring requirements for the BioMAX WWTP and irrigation sprayfield under Table 5. Inserted column 4 for the monitoring location.</p> <p>The reference to 'Heavy vehicle washdown bay' has been changed to 'Light vehicle washdown.'</p> <p>Removed groundwater monitoring bores PTD02D and PTD03 that were replaced with MB18TSF0001 and MB18TSF0002.</p> <p>Sampling frequency for WWTP outlet has been changed from fortnightly to quarterly.</p>
19 (previously 32)	Condition has been added a control to monitor the water balance for TSF Southern Cell with the increase in tailings deposition and TSF storage capacity.
20 and 21	Conditions previously 26 and 27, have been renumbered.
22, Table 6	Condition and Table has been added to provide further detail required in the Annual Environmental Reporting, in particular monitoring results and landfill facility requirements.
23 (previously condition 29)	Condition related to Annual Audit Compliance Reporting has been updated to the current licensing condition requirements and to be submitted by 30 April each year.
24 (previously 37)	Condition included to record any potential complaints and is a current licensing condition.
25 (previously 38)	Condition included to maintain accurate and auditable books and is a current licensing condition.
26 (previously 39)	Condition included for auditable books requirements and is a current licensing condition.
Definitions table (Table 7)	Updated the definitions table with new definitions and revised definitions for existing terms as per current licensing format.
Schedule 1: Maps	<p>All figures have been updated provided by the applicant.</p> <p>Figure 1 has been updated.</p> <p>Figure 2 has been updated and the figure title as 'Map of discharge and surface water monitoring points'.</p> <p>Figure 3 has been updated to include new monitoring bores that have replaced previous monitoring bores.</p> <p>Figure 4 has been updated to include the existing and proposed landfill facilities and BioMAX WWTP and irrigation sprayfield.</p> <p>Figure 5 has been updated.</p> <p>Figure 6 has been updated and the figure title as 'Map of Tailings Storage Facility'.</p>

Table 8: Consolidation of licence conditions in this amendment

Existing condition	Condition summary	Revised licence condition	Conversion notes
-	-	-	Revised to current licensing format
All conditions	Replaced term 'Licensee'	Updated term 'licence holder'	Revised to current licensing definitions and terms.
-	Relabelling attachments	Attachments converted to figures	Attachment 1 to 4, now Figure 1 to 4. Figure 5 is a new figure. Attachment 5, now Figure 6
-	Prescribed premises category table	-	Revised to current licensing format that provides the prescribed premises category description and assessed production / design capacity.
-	Definitions	Definitions and Table 1	Revised to current licensing format and moved from the start to the end of the end of the licence conditions.
-	N/A	Licence history	Revised to current licensing format to provide a table of the amendments and changes made to the licence.
-	N/A	Interpretation section	Revised to current licensing format.
1	Mobile crushing and screening plant	No change	Revised to current licensing format.
-	Design and construction requirements – landfill facilities	New condition 2	Revised to current licensing format.
2	Stormwater management	12	Renumbered and replaced licensee to licence holder.
3	Surface water – discharge outfall	13	Renumbered and replaced licensee to licence holder.
4	Water – monitoring discharge points	16	Renumbered and replaced licensee to licence holder.
5, Table 1	Water – monitoring schedule	17, Table 5	Renumbered and replaced licensee to licence holder.
6	Monitoring results for discharge water at Joe's Crossing	18	Renumbered and replaced licensee to licence holder.
7 to 11	Waste management from ancillary operations Tailings storage facility	5 to 9	Renumbered and replaced licensee to licence holder. Revised to current licensing format.
12 to 17	Management of putrescible landfill	2, Table 1 and 3, Table 2	Revised to current licensing format and replaced licensee to licence holder. Incorporated conditions into conditions 2 and 3.
18 to 20	Management of putrescible landfill	10 to 11	Renumbered and replaced licensee to licence holder. Condition 20 has been removed.

Existing condition	Condition summary	Revised licence condition	Conversion notes
-	Water balance	27	New condition Revised to current licensing format.
21 to 24	Management of waste dump landfill	2, Table 1 and 3, Table 2	Revised to current licensing format and replaced licensee to licence holder. Incorporated conditions into conditions 2 and 3.
25	Air emissions	14	Renumbered and replaced licensee to licence holder.
26	Reporting conditions	20	Renumbered and replaced licensee to licence holder.
27	Reporting conditions	21	Renumbered and replaced licensee to licence holder.
28	Reporting conditions - AER	22, Table 6	Renumbered and replaced licensee to licence holder.
-	Authorised discharge point	15	New condition Revised to current licensing format.
29	AACR	23	Revised to current licensing format and conditional requirements. Renumbered and replaced licensee to licence holder.
30, Table 3	Operation of site infrastructure and equipment	3, Table 3	Renumbered and replaced licensee to licence holder.
31	Specify any departures of the infrastructure under Table 3	4	Renumbered and replaced licensee to licence holder.
32	Construction compliance document	-	Removed as compliance report has been submitted
-	Water balance	27	New condition Revised to current licensing format.
33	Construction compliance document requirements	-	Removed as compliance report has been submitted
34	Operation of TSF Southern Cell extension pending submission of compliance document	-	Removed as compliance report has been submitted
-	Complaints	24	New condition Revised to current licensing format.
-	Auditable books	25	New condition Revised to current licensing format.
-	Auditable books specifications	26	New condition Revised to current licensing format.

References

1. Department of Environment Regulation (DER) 2015, *Guidance Statement: Setting Conditions*, Perth, Western Australia.
2. Department of Water and Environmental Regulation (DWER) 2020a, *Guideline: Risk Assessments*, Perth, Western Australia.
3. DWER 2020b, *Guideline: Environmental Siting*, Perth, Western Australia.

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

Condition	Summary of Licence Holder's comment	Department's response								
<p>2 (Table 1) – TSF Infrastructure and landfill sites</p>	<p>Please remove reference to the estimated dry density currently listed as an operational requirement for the TSF Southern Cell Extension. As stated in Appendix A of provided supporting information, the maximum storage capacity of the TSF Southern Cell is controlled by the requirements to retain the 1 in 100 AEP, 72-hour event with the 500 mm contingency freeboard (below spillway RL) and safely convey the 1 in 50,000 AEP flood without overtopping the confining embankments. In addition, advice from DMIRS geotechnical specialist (which was provided to DWER), confirmed that the increase in the tonnage of tailings stored will not directly affect the stability of the embankments. The relevant embankments (as shown in Figure 6 of the Draft Licence), are the Western and South-eastern embankments, which both sit at 371m AHD. The embankment height, freeboard and flood handling capability of the TSF Southern Cell are the relevant operational requirement which should remain. The estimated density can be removed. To avoid confusion, RTIO suggest that table be modified to clearly show that all the above controls are related to the TSF Southern Cell. Please refer to the "Waste Rock Dump Landfill" as Waste Dump Landfill throughout to align with supporting figures.</p> <p>Remove reference to estimated dry density Modify table as suggested in comments. Refer to the "Waste Rock Dump Landfill" as Waste Dump Landfill throughout to align with supporting figures. Suggested changes to Table 1 relevant to TSF infrastructure are detailed below:</p> <table border="1" data-bbox="403 751 1703 1266"> <thead> <tr> <th>Site infrastructure</th> <th>Operational requirement</th> <th>Infrastructure location</th> </tr> </thead> <tbody> <tr> <td>TSF Southern Cell</td> <td> <p><u>TSF Southern Extension</u></p> <ul style="list-style-type: none"> Freeboard – 0.5 m above stormwater capacity elevation Stormwater capacity – estimated at 1% Annual Exceedance Probability (AEP) (1 in 100 year ARI 72 hour rainfall event) <p><u>Western embankment</u></p> <ul style="list-style-type: none"> Raised to Relative Level 371 m Australian Height Datum (AHD) <p><u>South-eastern saddle embankment</u></p> <ul style="list-style-type: none"> Raised to Relative Level 371 m AHD <p><u>Spillway Capacity</u></p> <ul style="list-style-type: none"> Closure – 1:100 year Annual Recurrence Internal (ARI) <p><u>Tailings deposition pipeline</u></p> <ul style="list-style-type: none"> 400 mm High Density Polyethylene (HDPE) Spigots spaced at 40 m intervals </td> <td> <p>Schedule 1, Figure 6</p> <p>Schedule 1, Figure 6</p> <p>Schedule 1, Figure 6</p> <p>Not depicted</p> <p>Not depicted</p> </td> </tr> <tr> <td></td> <td></td> <td> <ul style="list-style-type: none"> Isolation valves located immediately downstream of the waste Fines disposal pumps and additional isolation valves at the entry point of the TSF Star pickets placed either side of the dropper pipes down the dam embankments. Pressure monitors at waste fines disposal pumps <p><u>Return water pipeline</u></p> <ul style="list-style-type: none"> Gravity fed HDPE pipe to return sump <p>Not depicted</p> </td> </tr> </tbody> </table>	Site infrastructure	Operational requirement	Infrastructure location	TSF Southern Cell	<p><u>TSF Southern Extension</u></p> <ul style="list-style-type: none"> Freeboard – 0.5 m above stormwater capacity elevation Stormwater capacity – estimated at 1% Annual Exceedance Probability (AEP) (1 in 100 year ARI 72 hour rainfall event) <p><u>Western embankment</u></p> <ul style="list-style-type: none"> Raised to Relative Level 371 m Australian Height Datum (AHD) <p><u>South-eastern saddle embankment</u></p> <ul style="list-style-type: none"> Raised to Relative Level 371 m AHD <p><u>Spillway Capacity</u></p> <ul style="list-style-type: none"> Closure – 1:100 year Annual Recurrence Internal (ARI) <p><u>Tailings deposition pipeline</u></p> <ul style="list-style-type: none"> 400 mm High Density Polyethylene (HDPE) Spigots spaced at 40 m intervals 	<p>Schedule 1, Figure 6</p> <p>Schedule 1, Figure 6</p> <p>Schedule 1, Figure 6</p> <p>Not depicted</p> <p>Not depicted</p>			<ul style="list-style-type: none"> Isolation valves located immediately downstream of the waste Fines disposal pumps and additional isolation valves at the entry point of the TSF Star pickets placed either side of the dropper pipes down the dam embankments. Pressure monitors at waste fines disposal pumps <p><u>Return water pipeline</u></p> <ul style="list-style-type: none"> Gravity fed HDPE pipe to return sump <p>Not depicted</p>
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<p>2 (Table 1) – Subsequent landfill sites</p>	<p>Updated maps/figures have been provided to clarify the location of landfill sites. Subsequent landfill sites are proposed at the three locations: 1) Waste Dump Inert Landfill Site; 2) Waste Dump Back-filled Pits Inert and Putrescible Landfill Site; and 3) Putrescible Landfill Site These sites/infrastructure should be listed in Table 2 and the operational requirements are in need of amendment. The current local depth to groundwater at the site varies but is predominately between 6-12 metres and Condition 15 correctly imposes a restriction that prohibits waste being disposed of within 3 m of the water table. Restrictions on proximity to groundwater should be at 3 m throughout the document. The requirement for putrescible landfill to be located 10 m above the water table should be removed. For the subsequent landfill sites, there are many operational requirements that should either be captured as construction requirements (Condition 17) or management requirements. The licence would like to keep the reference to management conditions in the operational requirement column of Table 1. Please note that changes to Condition 17 and management conditions are also requested within this response. The location of the landfill sites does not need to be listed as an operational requirement, as it is captured in the infrastructure location column. No ESA's occur within the prescribed premise boundary, therefore the requirement that landfill facilities must not be located within such areas does not need to be imposed as an operational requirement. Please note the Waste Dump Back-filled Pits Inert and Putrescible Landfill Site will receive both inert and putrescible waste types. This being the case, the disposal of inert waste will be located in a distinctly separate location to the location where putrescible wastes are to be buried. This is outlined in the management requirement conditions. Construction reports (which include figures) will be provided prior to use of putrescible landfill facilities which will clearly show the segregated waste disposal areas. In addition, figures showing the location of proposed/subsequent landfill facilities will be provided in the Annual Environmental Report (AER) as required under Condition 35 (Table 5). The figures supplied in the AER will clearly show which areas of the are used to store inert or putrescible waste material.</p> <p>Please remove the requirement for putrescible landfill to be located 10 m above the water table. Please removed the requirement for landfill areas to be located outside of ESAs. Suggested changes to Table 1 relevant to subsequent landfill facilities are detailed below:</p>	<p>The requirement for putrescible landfill to be located 10 m above the water table has been removed and remains at 3 m above the water table.</p> <p>The Department has reviewed Environmentally Sensitive Areas near the prescribed premises boundary with nearest approximately 15km northeast from the boundary. The operational requirement for landfill location 'Landfill facilities must not be located within an Environmentally Sensitive Area' has been removed.</p> <p>The Department has taken into consideration of the suggested changes to Table 1 for subsequent landfill facilities requirements. The Department has provided an addition condition (now Condition 2) that lists the design and construction requirements for subsequent and proposed landfill facilities under Table 1. This clearly separately the construction and operational requirements for landfill facilities.</p> <p>The original condition 2 and Table 1, are now Condition 3 and Table 3, where only operational requirements are now listed.</p> <p>As a result of the above changes, conditions 12 to 16 and 21 to 24 have been removed as these conditional requirements have been incorporated into Condition 1, Table 1 and Condition 2, Table 2.</p> <p>Tyre disposal conditional requirements have been included under Condition 3, Table 2.</p>								

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	<table border="1"> <thead> <tr> <th data-bbox="403 285 649 306">Site Infrastructure</th> <th data-bbox="649 285 890 306">Operational requirement</th> <th data-bbox="890 285 1118 306">Infrastructure location</th> </tr> </thead> <tbody> <tr> <td data-bbox="403 306 649 348">Waste Dump Inert Landfill Site</td> <td data-bbox="649 306 890 348">Record volumes of waste deposited</td> <td data-bbox="890 306 1118 348">Schedule 1, Figure 4</td> </tr> <tr> <td data-bbox="403 348 649 600">Subsequent/proposed landfill facilities</td> <td data-bbox="649 348 890 600"> <u>Waste Dump Inert Landfill Site</u> <ul style="list-style-type: none"> Inert waste must be buried and managed in accordance with Conditions Y1 to Y4 (heading to be amended to Management of Waste Dump Inert Landfill) <u>Waste Dump Back-Filled Pits Inert and Putrescible Landfill Site</u> </td> <td data-bbox="890 348 1118 600">Schedule 1, Figure 4</td> </tr> </tbody> </table> <div style="margin-left: 380px;"> <ul style="list-style-type: none"> Inert and putrescible waste must be buried in accordance with Condition Z1 to Z8 (new Condition to be created for management of Waste Dump Back-Filled Pits Inert and Putrescible Landfill) <u>Putrescible Landfill Site</u> <ul style="list-style-type: none"> Putrescible waste must be buried and managed in accordance with Condition 12 to XX (Management of Putrescible Landfill conditions) </div>	Site Infrastructure	Operational requirement	Infrastructure location	Waste Dump Inert Landfill Site	Record volumes of waste deposited	Schedule 1, Figure 4	Subsequent/proposed landfill facilities	<u>Waste Dump Inert Landfill Site</u> <ul style="list-style-type: none"> Inert waste must be buried and managed in accordance with Conditions Y1 to Y4 (heading to be amended to Management of Waste Dump Inert Landfill) <u>Waste Dump Back-Filled Pits Inert and Putrescible Landfill Site</u>	Schedule 1, Figure 4	
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4	With the exception of landfill cells that are yet to be constructed, all infrastructure currently listed on the Draft Licence has been constructed and compliance documentation has been submitted to the CEO. This being the case, Condition 4 now seems redundant. The Licence Holder requests that Condition 4 is removed.	Condition 4 has been removed,									
5	Given that all major infrastructure has been constructed and compliance documentation has been submitted to the CEO of DWER, it does not seem necessary to impose this condition. The Licence Holder requests that Condition 5 is removed.	Condition 5 has been removed.									
6	As outlined above, the TSF Southern Cell Extension is part of the TSF Southern Cell. The infrastructure should be considered as a single feature. However, this condition appears to be a duplicate. The operational requirements of the TSF are captured in Condition 2 (Table 1) and construction compliance documentation for this infrastructure has already been provided to the CEO of DWER. Please remove Condition 6.	The Department notes the duplication and Condition 6 has been removed.									
17	<p>Given that all construction requirements were initially listed in Condition 2 (Table 1) or are included in management condition, it is suggested that the most relevant requirements be removed from Table 1 and inserted into Condition 17 (Table 2). The licence holder would prefer the specifics are included in Table 2 rather than referencing a document.</p> <p>Please amend Condition 17, Table 2 as below:</p> <table border="1"> <thead> <tr> <th data-bbox="403 1066 765 1087">Column 1</th> <th data-bbox="765 1066 1118 1087">Column</th> </tr> </thead> <tbody> <tr> <td data-bbox="403 1087 765 1108">Site Infrastructure</td> <td data-bbox="765 1087 1118 1108">Construction Requirement</td> </tr> <tr> <td data-bbox="403 1108 765 1465">Putrescible Landfill Site</td> <td data-bbox="765 1108 1118 1465"> 1) All constructed trenches are: <ul style="list-style-type: none"> a) not within 100m of a major surface water body b) not within 3 metres of the highest level of the water table aquifer c) not greater than 30 metres in length d) situated at least 2 m above ground level in height 2) The landfill site is fenced to an appropriate height, gated, and locked to minimise unauthorised access and windblown waste 3) The landfill site has a visible sign erected that clearly defines the types of waste products accepted </td> </tr> <tr> <td data-bbox="403 1465 765 1892">Waste Dump Back-Filled Pits Inert and Putrescible Landfill Site</td> <td data-bbox="765 1465 1118 1892"> 1) All trenches constructed for the purpose of receiving putrescible waste (including Special Wastes Type 1 & 2) are: <ul style="list-style-type: none"> a) not within 100m of a major surface water body b) not within 3 metres of the highest level of the water table aquifer c) not greater than 30 metres in length d) situated at least 2 m above ground level in height 2) Areas where putrescible wastes (including Special Wastes Type 1 & 2) are accepted are fenced to an appropriate height, gated, and locked to minimise unauthorised access and windblown waste 3) Areas where putrescible wastes are accepted has a visible sign erected that clearly defines the types of waste products accepted </td> </tr> </tbody> </table>	Column 1	Column	Site Infrastructure	Construction Requirement	Putrescible Landfill Site	1) All constructed trenches are: <ul style="list-style-type: none"> a) not within 100m of a major surface water body b) not within 3 metres of the highest level of the water table aquifer c) not greater than 30 metres in length d) situated at least 2 m above ground level in height 2) The landfill site is fenced to an appropriate height, gated, and locked to minimise unauthorised access and windblown waste 3) The landfill site has a visible sign erected that clearly defines the types of waste products accepted	Waste Dump Back-Filled Pits Inert and Putrescible Landfill Site	1) All trenches constructed for the purpose of receiving putrescible waste (including Special Wastes Type 1 & 2) are: <ul style="list-style-type: none"> a) not within 100m of a major surface water body b) not within 3 metres of the highest level of the water table aquifer c) not greater than 30 metres in length d) situated at least 2 m above ground level in height 2) Areas where putrescible wastes (including Special Wastes Type 1 & 2) are accepted are fenced to an appropriate height, gated, and locked to minimise unauthorised access and windblown waste 3) Areas where putrescible wastes are accepted has a visible sign erected that clearly defines the types of waste products accepted	<p>Condition 17 has been removed as this is now reflected in Condition 2, Table 1 and Condition 3, Table 2.</p> <p>See the above the Department's explanatory notes under Condition 2.</p>	
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18 and 19	<p>The Licence Holder agrees that some form of construction report should be provided for areas where putrescible waste is proposed to be buried. However, areas within the Waste Dump/Back-filled Pit and Waste Dump Landfill sites that will only receive inert materials, wooden pallets and cardboard, that will be stockpiled, buried and managed in accordance with imposed management conditions, do not require submission of a construction compliance report. Condition 36 (Records and Reporting) can be used to demonstrate compliance in this instance. The Licence Holder requests that DWER confirm that the construction compliance report to be supplied prior to use of proposed putrescible waste disposal sites does not need to be certified by a qualified engineer. A compliance document, signed by a person authorised to represent the Licensee, that includes photographic evidence demonstrating that the works have been completed in accordance with imposed licence conditions is considered appropriate.</p> <p>Please amend Condition 18 so that compliance documentation is only required prior to the operation and use of putrescible waste disposal/landfill areas. Suggested Condition 18 reword: <i>The Licensee shall submit a compliance document to the CEO, following the construction of any subsequent or proposed landfill sites constructed at the Putrescible Landfill Site, Waste Dump/Back-filled Pit Landfill Site or Waste Dump Landfill Site as per Condition 17, Table 2 and prior to operation of the same.</i> No change required to Condition 19.</p>	<p>The Department has worded the condition as <i>'The licence holder shall submit a compliance document to the CEO, following the construction of the Paraburdoo putrescible landfill extension and any subsequent landfill facilities as per condition 2, Table 1 and prior to operation of the same.'</i></p> <p>The requirements under Condition 17 have been incorporated into Condition 2, Table 1 and Condition 3, Table 2.</p>								
21 (title only)	<p>The condition title "Management of Putrescible Landfill (Schedule 1, Figure 4) should state "Management of Waste Dump Inert Landfill (Schedule 1, Figure 4)". Please correct the title above Condition 21.</p>	<p>Title above Condition 21 has been removed as the condition have been incorporated into Condition 2, Table 1 and Condition 3, Table 2.</p>								
15	<p>Condition 15 (a) refers to any surface water body. To align with modern licences, it is requested that this be amended to state that no waste within 100 m of any major drainage lines. Please amend Condition 15(a) as detailed below: (a) 100 m of any major drainage lines at the site.</p>	<p>The Department notes and has amendment the conditional requirement to <i>'Located more the 100 m from any permanent or perennial watercourse'</i> which was listed as landfill site design and management criteria within the supporting documentation.</p>								
<p>Management of Putrescible Landfill 17 and 28</p>	<p>The Licence Holder intends for the Waste Dump Landfill site to only be used for inert material. The application incorrectly listed this location as a potential putrescible disposal sites. There are two separate Waste Dump landfill site locations, as well as one Putrescible Landfill Site (see updated figures):</p> <ol style="list-style-type: none"> 1) Waste Dump Inert Landfill Site; 2) Waste Dump Back-Filled Pits Inert and Putrescible Landfill Site; and 3) Putrescible Landfill Site <p>The existing and proposed Putrescible Landfill Sites will be the only sites where all types of putrescible wastes will be stored, and existing draft conditions are accurate. Updated figures have been provided and revised conditions are requested to better identify and segregate waste disposal areas. This will aid site compliance. Additional conditions are recommended/requested to ensure tyres are buried in accordance with Part 6 of the Environmental Protection Regulations 1987. Imposing these additional conditions on the licence will ensure site personnel do not have to refer to multiple pieces of legislation and/or instruments.</p> <p>Requested additional conditions to be added as management conditions for the Waste Dump/Back-filled Pit and Waste Dump Landfill sites that will receive tyres;</p> <ol style="list-style-type: none"> 4) Tyres must be disposed of by burial in batches of no more than 1000 whole tyres separated from each other by at least 100 mm of soil 5) Tyres must be buried under a final soil cover of not less than 500 mm <p>The authorised discharge points displayed in Table 3 require updates and amendment.</p> <p>Conditions 12 to 16 remain unchanged, however an updated heading title is required to align with latest figures and landfill site locations. Heading to be amended to "Management of Putrescible Landfill Site. Additional conditions are also requested to ensure that special wastes approved for disposal at the Putrescible Landfill Site are disposed of correctly.</p> <p>Additional condition to be inserted under the Putrescible Landfill Site heading;</p> <p>XX The Licence Holder shall ensure that Special Waste Type 1 & 2 are disposed of within a dedicated trench, the location of disposed wastes is recorded and the waste is immediately covered with a minimum depth of 300 mm of inert and incombustible material.</p> <p>Please insert separate headings to ensure appropriate waste segregation and management onsite. Suggested headings and condition wording is provided below for the Waste Dump Inert Landfill and the Waste Dump / Back-filled Pit Landfill sites:</p> <p>Management of Inert Waste Dump Landfill Site (Schedule 1, Figure 4)</p> <p>Y1 The licence holder must only bury the following types of waste within the waste dump landfill facility:</p> <ol style="list-style-type: none"> a) Clean fill as defined in the Landfill Definitions; b) Inert waste Type 1 as as defined in the Landfill Definitions; c) Inert waste Type 2 (tyres only) as defined in the Landfill Definitions; and d) wooden pallets and packaging <p>Y2 The Licence Holder shall ensure that waste in the tipping area of the inert waste dump landfill is covered with a dense (at least 200mm), inert and incombustible material at final landform design</p> <p>Y3 The Licence Holder must ensure that there is no waste within:</p>	<p>As a result of the above changes, conditions 12 to 16 and 21 to 24 have been removed as these conditional requirements have been incorporated into Condition 1, Table 1 and Condition 2, Table 2.</p> <p>Under Condition 2, Table 2, the following operational requirement has been included for putrescible landfill facilities as requested by the applicant: <i>'Special Waste Type 1 & 2 are disposed of within a dedicated trench, the location of disposed wastes is recorded, and the waste is immediately covered with a minimum depth of 300 mm of inert and incombustible material.'</i></p> <p>Table 4, under Condition 24 (previously Table 3, Condition 28) has been updated to include all landfill facilities.</p> <table border="1" data-bbox="1994 1087 2407 1688"> <thead> <tr> <th></th> <th>Emission</th> <th>Discharge point</th> <th>Discharge point location</th> </tr> </thead> <tbody> <tr> <td>2.</td> <td>Landfill waste</td> <td>Waste Dump Landfill facility [inert (including proposed)] Waste Dump Back-filled Landfill facility (inert and putrescible) Putrescible Landfill facilities (including proposed)</td> <td>Schedule 1, Figure 4</td> </tr> </tbody> </table>		Emission	Discharge point	Discharge point location	2.	Landfill waste	Waste Dump Landfill facility [inert (including proposed)] Waste Dump Back-filled Landfill facility (inert and putrescible) Putrescible Landfill facilities (including proposed)	Schedule 1, Figure 4
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	<p>a) 100 m of any major surface water body at the site</p> <p>b) 3 metres of the highest level of the water table aquifer at the inert waste dump landfill site</p> <p>Y4 The Licence Holder shall ensure that clean fill, inert waste type 1 and wooden pallets and packaging are covered on an ad-hoc basis when required, to at least 200 mm at final landform design Y5 The Licence Holder shall ensure that tyres are disposed of:</p> <p>a) by burial in batches of no more than 1000 whole tyres separated from each other by at least 100 mm of soil; and</p> <p>b) are buried under a final soil cover of not less than 500 mm</p> <p>Management of Waste Dump / Back-filled Pits Landfill Site (Schedule 1, Figure 4)</p> <p>Z1 The licence holder must only bury the following types of waste within the Waste Dump / Back-filled Pits Landfill Site:</p> <p>a) Clean fill;</p> <p>b) Inert waste Type 1;</p> <p>c) Putrescible waste;</p> <p>d) Inert waste Type 2 (tyres only);</p> <p>e) Special Waste Type 1;</p> <p>f) Special Waste Type 2; md</p> <p>e) Wooden pallets and packaging</p> <p>Z2 The licence holder shall ensure that the tipping area where putrescible wastes are accepted is not greater than;</p> <p>a) 30 m in length</p> <p>b) 2 m above ground level in height</p> <p>Z3 The licence holder shall ensure that the tipping area where putrescible wastes are accepted is covered:</p> <p>a) at least weekly;</p> <p>b) with a dense (at least 200 mm), inert and incombustible material; and</p> <p>c) totally, so that no waste is left exposed.</p> <p>Z4 The Licence Holder shall ensure that there is no waste within:</p> <p>a) 100 m of any major surface water body at the site</p> <p>b) 3 metres of the highest level of the water table aquifer at the putrescible waste dump landfill site</p> <p>Z5 The Licence Holder shall manage stormwater in areas where putrescible wastes are accepted so that:</p> <p>a) it is diverted from areas of the site where there is waste; and</p> <p>b) water that has come into contact with waste is to be diverted into a sump on the site, or otherwise retained on the site</p> <p>Z6 The Licence Holder shall ensure that clean fill, inert waste type 1 and wooden pallets and packaging are covered on an ad-hoc basis when required, to at least 200 mm at final landform design Z7 The Licence Holder shall ensure that tyres are disposed of:</p> <p>a) by burial in batches of no more than 1000 whole tyres separated from each other by at least 100 mm of soil; and</p> <p>b) are buried under a final soil cover of not less than 500 mm</p> <p>Z8 The Licence Holder shall ensure that tyres are disposed of:</p> <p>a) by burial in batches of no more than 1000 whole tyres separated from each other by at least 100 mm of soil; and</p> <p>b) are buried under a final soil cover of not less than 500 mm</p> <p>Please update Table 3 as below:</p>	

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2. Putrescible landfill waste	Inert Waste Dump Landfill Site (including proposed) Waste Dump Back-Filled Pits Inert and Putrescible Landfill Site Putrescible Landfill Site (including proposed)	Schedule 1, Figure 4						
29 and 30	Please refer to the Heavy vehicle washdown bay" as the "Light Vehicle Washdown" to align with figures. Change "Heavy vehicle washdown bay" to "Light Vehicle Washdown" in Condition 29 & 30 (Table 4).	Updated.						
30 (Table 4)	<p>Fortnightly monitoring may be warranted during commissioning of the Biomax WWTP and during Time Limited Operations, however, for ongoing operations, the Licence Holder considers fortnightly monitoring to be overly onerous. Quarterly monitoring is appropriate for ongoing operations and is a common frequency imposed on other licences held by the Licence Holder. Monitoring bores PTD02SD and PTD03 were requested for removal within Works Approval application 6421, as they are dry and have been replaced with MB18TSF0001 and MB18TSF0002 respectively. The site sewage treatment plant has been decommissioned and removed from site. Please delete this from Table 4. It has now been replaced with the Biomax WWTP.</p> <p>Please amend the sampling frequency for the WWTP outlet from fortnightly to quarterly. Please remove monitoring bores PTD02 and PTD03 and replace with MB18TSF0001 and MB18TSF0002. An updated figure has been provided showing the location of all monitoring bores to be conditioned on the licence. Please deleted the site sewage treatment plant from Table 4.</p>	<p>Sampling frequency for the WWTP outlet in Table 5, under Condition 26 (previously Table 4, Condition 30) has been amended to quarterly monitoring.</p> <p>Monitoring bores PTD02 and PTD03, have been removed and replaced by MB18TSF0001, and MB18TSF0002 as indicated in the updated Figure provided by the applicant.</p> <p>The site sewage treatment plant has been removed from the Table.</p>						
35 (Table 5)	<p>All flow meter readings onsite are taken monthly, as it is not always feasible to conduct daily monitoring/readings of flow meters. As such, it is requested that the requirement to present information on the daily volume of treated wastewater sent to the irrigation area be amended to monthly. This change would also assist the Licence Holder in addressing requirements b and c without having to present such fine scale data in tabular and graphical form as required.</p> <p>Please amend Table 5 content as suggested below:</p> <table border="1"> <thead> <tr> <th data-bbox="403 1020 783 1052">Conditions</th> <th data-bbox="783 1020 1169 1052">Requirement</th> </tr> </thead> <tbody> <tr> <td data-bbox="403 1052 783 1115">30,31,32,33,34,35,36,37</td> <td data-bbox="783 1052 1169 1115">a) Volume (in m3 or kl) of treated wastewater applied monthly to each irrigation area, and cumulative</td> </tr> <tr> <td data-bbox="403 1115 783 1318"></td> <td data-bbox="783 1115 1169 1318"> volumes presented in table format; b) No change c) No change d) Copies of laboratory sample analysis reports (provided at the request of DWER) e) Unchanged but will need to be updated to align with new figures provided in support of this response </td> </tr> </tbody> </table>	Conditions	Requirement	30,31,32,33,34,35,36,37	a) Volume (in m3 or kl) of treated wastewater applied monthly to each irrigation area, and cumulative		volumes presented in table format; b) No change c) No change d) Copies of laboratory sample analysis reports (provided at the request of DWER) e) Unchanged but will need to be updated to align with new figures provided in support of this response	<p>Table 6 under Condition 31 (previously Table 5, Condition 35) has been updated for requirement (a) and (e) with the inclusion of (f) 'Record of the total volumes of waste disposed of in all landfill facilities.'</p> <p>Condition numbers have been amended due to removal of previous conditions.</p>
Conditions	Requirement							
30,31,32,33,34,35,36,37	a) Volume (in m3 or kl) of treated wastewater applied monthly to each irrigation area, and cumulative							
	volumes presented in table format; b) No change c) No change d) Copies of laboratory sample analysis reports (provided at the request of DWER) e) Unchanged but will need to be updated to align with new figures provided in support of this response							
36	Given the Licence Holder has multiple compliance and reporting requirements with DWER and other agencies, it is requested that the AACR due date be amended and revert back to the 30 April submission date and align with submission of the AER (as per condition 35). Please amend condition 36 to require submission of the AACR on 30 April each year.	<p>Condition has been updated to: <i>'The licence holder must:</i> <i>(a) undertake an audit of their compliance with the conditions of this licence during the preceding annual period; and</i> <i>(b) prepare and submit to the CEO by no later than 30 days after the end of that annual period an Annual Audit Compliance Report in the approved form.'</i></p> <p>The annual period is the inclusive period from 1 January until 31 December in the same year.</p>						
38 and 39	Please confirm that records can be stored via electronic record keeping means/methods, and that the condition does not intend for the Licence Holder to maintain records in hard copy books. Condition 39 refers to the books specified under Condition 40. There is no Condition 40. The Licence Holders assumes DWER is referring to preceding condition 38. Please confirm that the Licence Holder can maintain records via electronic record keeping means/methods. Suggested rewording of Condition 38: "The licence holder must maintain, accurate and auditable documentation including the following records, information, reports and data requirements by this licence" Please correct Condition 39 to refer to valid condition.	<p>The Department makes no amendment to the wording of Condition 34 (previously Condition 38). As defined in the definitions table, 'book's refers to the same meaning given to that term under the EP Act.</p> <p>Under the EP Act 'books' in defined as: books, without limiting the generality of the definition of book in section 3 of the <i>Interpretation Act 1984</i>, includes — (a) any register or other record of information; and (b) any accounts or accounting records.</p> <p>Under the <i>Interpretation Act 1984</i>, 'books' is defined as; book — (b) when used in relation to the recording of information</p>						

Condition	Summary of Licence Holder's comment	Department's response																
		<p>other than accounting or financial information, includes any method or system of recording such information that has been approved by the Minister to whom the administration of the relevant enactment has been committed by the Governor.</p> <p>Condition 35 (previously 39) has been amended.</p>																
Figures	<p>Updated figures have been provided to replace outdated figures currently presented in the Draft Licence. Figures have also been updated to more accurately show where waste material will be disposed of, as well as the locations of current monitoring points. Schedule 1 Maps to be replaced.</p> <table border="1" data-bbox="403 506 1329 911"> <thead> <tr> <th>Current Draft Licence Figure Title</th> <th>To be replaced with Figure Ref #</th> </tr> </thead> <tbody> <tr> <td>Figure 1: Map of the boundary of the prescribed premises</td> <td>RTIO0978864_1</td> </tr> <tr> <td>Figure 2: Map of the Surface Water Monitoring Points</td> <td>RTIO0978864_2 Note: Figure title has been updated to "map of Discharge and Surface Water Monitoring Points. The Biomax and sprayfield discharge locations are shown on RTIO0978864_4</td> </tr> <tr> <td>Figure 3: Map of the Groundwater Monitoring Points</td> <td>RTIO0978864_3</td> </tr> <tr> <td>Figure 4: Map of the landfill and waste dump areas and the Biomax WWTP and irrigation sprayfield</td> <td>RTIO0978864_4 Note: this figure replaces the two figures currently in the draft licence.</td> </tr> </tbody> </table> <table border="1" data-bbox="403 919 1368 1262"> <tbody> <tr> <td>Figure 4: Map of the proposed subsequent landfill facilities within the prescribed premises boundary</td> <td></td> </tr> <tr> <td>Figure 5: Map of the power station and stack/emission points</td> <td>RTIO0978864_5</td> </tr> <tr> <td>Figure 6: Map of the proposed Southern Cell Extension</td> <td>RTIO0978864_6 Note: the southern extension has been constructed. It is the main embankment of the Northern Cell that is yet to be constructed and or construction reports provided to DWER in accordance with W6421.</td> </tr> </tbody> </table>	Current Draft Licence Figure Title	To be replaced with Figure Ref #	Figure 1: Map of the boundary of the prescribed premises	RTIO0978864_1	Figure 2: Map of the Surface Water Monitoring Points	RTIO0978864_2 Note: Figure title has been updated to "map of Discharge and Surface Water Monitoring Points. The Biomax and sprayfield discharge locations are shown on RTIO0978864_4	Figure 3: Map of the Groundwater Monitoring Points	RTIO0978864_3	Figure 4: Map of the landfill and waste dump areas and the Biomax WWTP and irrigation sprayfield	RTIO0978864_4 Note: this figure replaces the two figures currently in the draft licence.	Figure 4: Map of the proposed subsequent landfill facilities within the prescribed premises boundary		Figure 5: Map of the power station and stack/emission points	RTIO0978864_5	Figure 6: Map of the proposed Southern Cell Extension	RTIO0978864_6 Note: the southern extension has been constructed. It is the main embankment of the Northern Cell that is yet to be constructed and or construction reports provided to DWER in accordance with W6421.	<p>New figures provided by the applicant have been included in the Licence under the Schedule 1 Maps. The following figures have been updated, Figures 1 to 6.</p>
Current Draft Licence Figure Title	To be replaced with Figure Ref #																	
Figure 1: Map of the boundary of the prescribed premises	RTIO0978864_1																	
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Amendment Report	The Licence Holder is satisfied with the risk assessment and provides no comments or suggested changes. The Amendment Report will require update to capture any changes made to the draft licence.	Noted.																

Appendix 2: Summary of Licence Holder's comments on risk assessment and draft conditions for second draft

Condition	Summary of Licence Holder's comment	Department's response
2, Table 1	The design and construction requirement for firebreaks appears twice in Table 1. Please remove duplicate reference to firebreaks in Table 1.	Amended.
3, Table 2	<p>Further clarification on the naming of the approved TSF is required. The Northern and Southern Cell are both part of the Paraburdoo TSF. The Northern Cell has been formed by the construction of the main embankment across a broad valley and central embankment which forms a common wall between the northern and southern cells. The confining embankments of the Northern Cell (the Central and Main Embankments), Saddle embankments and raised Decant Causeways do not currently appear in Table 2, despite being previously approved by DWER.</p> <p>The Northern Cell is not currently active, and a raise is approved under Works Approval W6421/2020/1. Additional operational requirements will be added when an amendment is submitted to allow ongoing operations of the raised facility.</p> <p>The entire Paraburdoo TSF will not receive more than 30,000,000 tonnes per annual period. Given this is the Category 5 limit, it does not need to be listed in Table 2.</p> <p>Please remove "tailings deposition of up to 30,000,000 tonnes per annual period" from column two of Table 2.</p> <p>Please change "TSF Southern Cell" in column one of Table 2 to "Paraburdoo TSF" as this will capture the entire facility.</p> <p>Please add all approved embankments shown on Figure 6 and listed below to Table 2 operational requirements for completeness:</p> <p><u>Main Embankment</u></p> <ul style="list-style-type: none"> • Main Embankment on the Northern Cell Raised to Relative Level 371 m Australian Height Datum (AHD) <p><u>Central Dividing Embankment</u></p> <ul style="list-style-type: none"> • Central Dividing Embankment (North and South Cells) Raised to Relative Level 373 m Australian Height Datum (AHD) <p><u>Saddle Embankments</u></p> <ul style="list-style-type: none"> • Western Saddle Embankment Raised to Relative Level 371 m Australian Height Datum (AHD) • South Eastern Saddle Embankment Raised to Relative Level 371 m Australian Height Datum (AHD) <p><u>Decant Causeways</u></p> <ul style="list-style-type: none"> • Decant Causeway Northern Cell Raised to Relative Level 373 m Australian Height Datum (AHD) • Decant Causeway Southern Cell Raised to Relative Level 371 m Australian Height Datum (AHD) <p>Please amend the following content to the operational requirements for the tailings deposition pipeline to ensure existing approved infrastructure relating to the Northern Cell is captured:</p> <p><u>Tailings deposition pipeline</u></p> <ul style="list-style-type: none"> • 355 to 400 mm High Density Polyethylene (HDPE) or HDPE steel lined delivery pipeline • Spigots spaced at 40 to 80 m intervals 	<p>The operation requirement "Tailings deposition of up to 30,000,000 tonnes per annual period" will remain within Table 2.</p> <p>The Department's reasoning is that the front page with the table of the assessed production / design capacity for each category is not a condition and thus not enforceable. For this reason, the assessed production / design capacity for each category is listed within the conditions under the table relating to operational requirements.</p> <p>"TSF Southern Cell" has been replaced with "Paraburdoo TSF" as requested by the applicant.</p> <p>All approved embankments have been listed in Table 2; operational requirements as requested by the applicant.</p> <p>Tailing deposition pipeline operational requirements have been amended as requested by the applicant.</p>
3, Table 2	<p>Minor grammatical changes are suggested for consistency. Reference to the Landfill Definitions should occur after the final dot point and a semicolon separating the text is not required.</p> <p>Suggested placement of "as defined in the Landfill Definitions" throughout Table 2 is provided below with the putrescible landfill facilities being used as an example for all occurrences:</p> <p>Putrescible landfill facilities will accept and bury only the following types of waste:</p> <ul style="list-style-type: none"> - Clean Fill; - Inert Waste Type 1; - Putrescible Waste; - Special Waste Type 1; and - Special Waste Type 2 <p>as defined in the Landfill Definitions.</p>	Amended as per the applicant's example provided.

Condition	Summary of Licence Holder's comment	Department's response
10	<p>For consistency reference to the putrescible landfill extension should be removed.</p> <p>Please replace "Paraburdoo putrescible landfill extensions" with "Paraburdoo putrescible landfill proposed/subsequent"</p> <p>Please also update column one of Table 2 and column one of Table 1 for consistency. Subsequent landfill facilities should be changed to "Proposed/subsequent landfill facilities."</p>	Amended.
16	<p>The site sewage treatment plant outlet has been removed from the licence as requested in most instances. However, it is still referenced in Condition 16.</p> <p>Please remove reference to the site sewage treatment plant outlet and replace with the below:</p> <p>- Flow meter to irrigation spray</p>	Amended.
17	<p>Condition 17 mistakenly references Table 4 in the first sentence.</p> <p>Please remove reference to Table 4 and instead reference Table 5 (Water monitoring schedule).</p>	<p>The Department made a grammatical error, where the correct table number is 4 not 5.</p> <p>No amendment was required.</p>
20 and 21	<p>Condition 20 & 21 reference a condition number (Condition 30) that is not on the draft licence. The Licence Holder assumes that Condition 20 & 21 should refer to Condition 17, as this is the condition requiring the collection and analysis of water samples.</p> <p>Please reference Condition 17 (or the intended correct condition) in place of Condition 30.</p>	Amended reference to condition 17.
22	<p>A minor change is suggested as there is only one irrigation area.</p> <p>Suggested rewording:</p> <p>a) Monthly cumulative volume (m3 or kL) of treated waste water applied to the irrigation sprayfield presented in table format</p>	Amended.
Department Query / Request for confirmation		
<p>Applicant to confirm inclusion of tyre disposal does not exceed the assessed production capacity of 5000 tonnes per annual period.</p>	<p>The combined total of all waste types will likely exceed 5,000 tonnes should construction work, planned shuts, maintenance or other major project work all occur in a single reporting year. Most years the combined waste will not exceed 5,000 tonnes. However, a larger production capacity has now is requested.</p> <p>Please increase the approved capacity to 10,000 tonnes to ensure the combined total of all waste does not exceed 10,000 tonnes for the duration of the licence.</p>	<p>The Department has reviewed the risk assessment for proposed / subsequent landfill facilities and approves the increased capacity for category 64 from 5,000 to 1,000 tonnes per annual period under this licence.</p>

Appendix 3: Application validation summary

SECTION 1: APPLICATION SUMMARY				
Application type				
Works approval	<input type="checkbox"/>			
Licence	<input type="checkbox"/>	Relevant works approval number:		None <input type="checkbox"/>
		Has the works approval been complied with?	Yes <input type="checkbox"/> No <input type="checkbox"/>	
		Has time limited operations under the works approval demonstrated acceptable operations?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
		Environmental Compliance Report / Critical Containment Infrastructure Report submitted?	Yes <input type="checkbox"/> No <input type="checkbox"/>	
		Date Report received:		
Renewal	<input type="checkbox"/>	Current licence number:		
Amendment to works approval	<input type="checkbox"/>	Current works approval number:		
Amendment to licence	<input checked="" type="checkbox"/>	Current licence number:	L5275/1972/12	
		Relevant works approval number:	W6591/2021/1	N/A <input type="checkbox"/>
Registration	<input type="checkbox"/>	Current works approval number:		None <input type="checkbox"/>
Date application received	15/09/2022			
Applicant and Premises details				
Applicant name/s (full legal name/s)	Pilbara Iron Company (Services) Pty Ltd			
Premises name	Paraburdoo Iron Ore Mine and Eastern Range Project			
Premises location	AML70/246, AML70/4, AG70/4, AG70/14 & L47/326, PARABURDOO			
Local Government Authority	Shire of Ashburton			
Application documents				
HPCM file reference number:	DER2014/000429-1			
Key application documents (additional to application form):	Attachment 1A: Proof of occupier status Attachment 1B: ASIC Company Extract Attachment 1C: Authorisation to act as a representative of the occupier Attachment 7: Location Maps Attachment 8: Licence Application Supporting Documentation Attachment 10: Amendment Application Fee Calculation Appendix A: HATS (2022) Paraburdoo TSF1 – Supporting Information for Southern Cell Licence Amendment Appendix B: W6591 Works Approval Application Appendix C: WWTP Environmental Compliance Report			

Scope of application/assessment	
Summary of proposed activities or changes to existing operations.	<ol style="list-style-type: none"> 1. Amendment to licence to include infrastructure that has already been subject to commissioning, or no commissioning is required under works approval W6591/2021/1 to allow for ongoing operations. 2. The amendment relates to category 5, 64, and 85. The infrastructure to be included under licence L5275/1972/12 includes: <ul style="list-style-type: none"> - Waste Rock Dump (WRD) landfill extension (Landfill site) with no change to the category or design capacity; and - Waste Water Treatment Plant (WWTP) (BioMAX C120) and Irrigation Spray field with an assessed production / design capacity of 24 m³ per day. 3. The WWTP has been constructed and commissioned and currently under time limited operation. It should be noted that the expanded WRD landfill has not yet been constructed but requires no commissioning period. 4. The applicant seeks approval to update condition 30 and amend the content within Table 3 that relates to the Tailings Storage Facility (TSF) Southern Cell to expand storage capacity. 5. Furthermore, the applicant seeks flexibility in the location of proposed additional landfill sites within the prescribed premises boundary that would meet specified design and management conditions / criteria.

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	30,000,000 tonnes per annual period (tpa)	No change to design capacity, only change to condition 30, Table 3 storage capacity
Category 64: Class II putrescible landfill site	5,000 tpa	No change
Category 85: Sewage facility	New category	24 m ³ per day
Categories under licence, but not part of the amendment		
Category 6: Mine dewatering	800,000 tpa	-
Category 12: Screening, etc. of material	10,000,000 tpa or more	-
Category 52: Electrical power generation	127.5 MW	-
Category 73: Bulk storage of chemicals, etc.	5,903 m ³ 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	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Referral decision No: N/A Managed under Part V <input type="checkbox"/> N/A
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significant proposal?		Assessed under Part IV <input type="checkbox"/> N/A
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: 1195 EPA Report No: 1723
Has the proposal been referred and/or assessed under the EPBC Act?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Reference No: 2018/8341
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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Approval: Expiry date: Note: Mining Proposal Reg ID 60720
Has the applicant applied for, or have an existing EP Act clearing permit in relation to this proposal?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CPS No: 5090/4 Clearing of 1.7 ha for the construction of the landfill site. No clearing required for the WWTP construction.
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
Has the applicant applied for, or have an existing RIWI Act licence or permit in relation to this proposal?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Application reference No: N/A Licence/permit No: GWL109318
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 Surface Water Area & Pilbara Groundwater Area Type: Proclaimed Groundwater Area/Surface Water Area Has Regulatory Services (Water) been consulted? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Regional office: North West
Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?	Yes <input type="checkbox"/> No <input checked="" 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"/> Paraburdoo Water Reserve is approximately 3.1 km north of the

		prescribed premises boundary
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"/>	Mineral Lease ML246SA granted pursuant to the <i>Iron Ore (Hamersley Range) Agreement Act 1968</i> . <i>Dangerous Goods Safety Act 2007</i>
Is the Premises within an Environmental Protection Policy (EPP) Area?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
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"/>	<p>CSS_Site_ID: 6661 Classification: Contaminated – restricted use TRIM_ID: 2011/3314 Date of classification: 31/01/2012 Description: 1480 Heavy Vehicle Refuelling Area</p> <p>CSS_Site_ID: 8961 Classification: Possibly contaminated – investigation required TRIM_ID: DER2015 Date of classification: 9/04/2015 Description: Locomotive refueling area (previously referred to as the main train refueling)</p> <p>CSS_Site_ID: 6038 Classification: Possibly contaminated – investigation required TRIM_ID: 2011/3314, DER2017/1999 Date of classification: 16/04/2020 Description: Bulk fuel depot</p>