



## Application for Licence Amendment

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

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<b>Licence Number</b>	L4680/1988/13
<b>Licence Holder</b>	FMR Investments Pty Ltd
<b>ACN</b>	009 411 349
<b>File Number</b>	2013/003899-1~11
<b>Premises</b>	Greenfields Processing Site  Great Eastern Highway COOLGARDIE WA 6429  Legal description –  Part of mining tenement M15/1836 and Lot 102 on Plan 40393  As defined by the Premises maps attached to the Revised Licence.
<b>Date of Report</b>	28 March 2023
<b>Decision</b>	Revised licence granted

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

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

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# 1. Decision summary

Licence L4680/1988/13 is held by FMR Investments Pty Ltd (Licence Holder) for the Greenfields Processing Site (the Premises), located on part of mining tenement M15/1936 and Lot 102 on Plan 40393, Coolgardie WA 6429.

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 L4680/1988/13 has been granted.

## 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 24 November 2022, the Licence Holder submitted an application to the department to amend Licence L4680/1988/13 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). The amendment being sought relates to the operation of the Tailings Storage Facility (TSF) 4 Stage 1 starter embankment. This amendment is limited to changes to Category 5 activities from the existing licence, with no change to the authorised design/production capacity.

#### 2.2.1 Construction of TSF4

The Greenfields Mill is a toll milling facility located approximately 4 kilometres (km) north of Coolgardie. Tailings produced from the mill are currently deposited within the neighbouring active TSF3, a U-shaped paddock style facility abutting the decommissioned TSF1 and TSF2. Located directly north of TSF3 Cell C, TSF4 was constructed to provide additional tailings storage capacity for the premises.

Currently, the TSF4 starter embankment was constructed under works approval W6547/2021/1. The works approval took into consideration advice sought from the Department of Mines, Industry Regulation and Safety (DMIRS) regarding the geotechnical safety and stability of the embankment design.

The TSF comprises of a single cell equipped with a central decant tower, an underdrainage system, stormwater diversion channel, as well as a series of vibrating wire piezometers (VWP) and groundwater monitoring bores. The starter embankment height authorised by works approval W6547/2021/1 was RL 403.0 m. However, this was reduced to RL 402.5 m to align with the embankment heights of TSF3.

Furthermore, the southern embankment and the connecting underdrainage accessway and tower were constructed to RL 396.5 m. This deviation was done to reduce the amount of clay required towards the end of the Stage 1 construction. As a result, the department considered the Licence Holder to be compliant with the requirements of works approval W6547/2021/1 up to RL 396.5 m (DWER 2022). The department noted the requirement to submit additional compliance reports for subsequent raises beyond RL 396.5 m for the southern embankment, up to the authorised maximum height of RL 403.0 m. Consequently, this licence amendment will only authorise operation of the TSF4 starter embankment to a maximum height of RL 396.5 m, despite the construction of the northern and eastern embankment to RL 402.5 m.

The department understands that the raising of the southern embankment from RL 396.5 m to

RL 402.5 m commenced in December 2022 and is ongoing at the time of this assessment.

It is intended that TSF4 will undergo four embankment raises, each comprising a 2.5 m lift, to a nominal crest level of RL 413 m AHD (Australian Height Datum). The construction of these embankment raises has not yet been authorised by a works approval or licence.

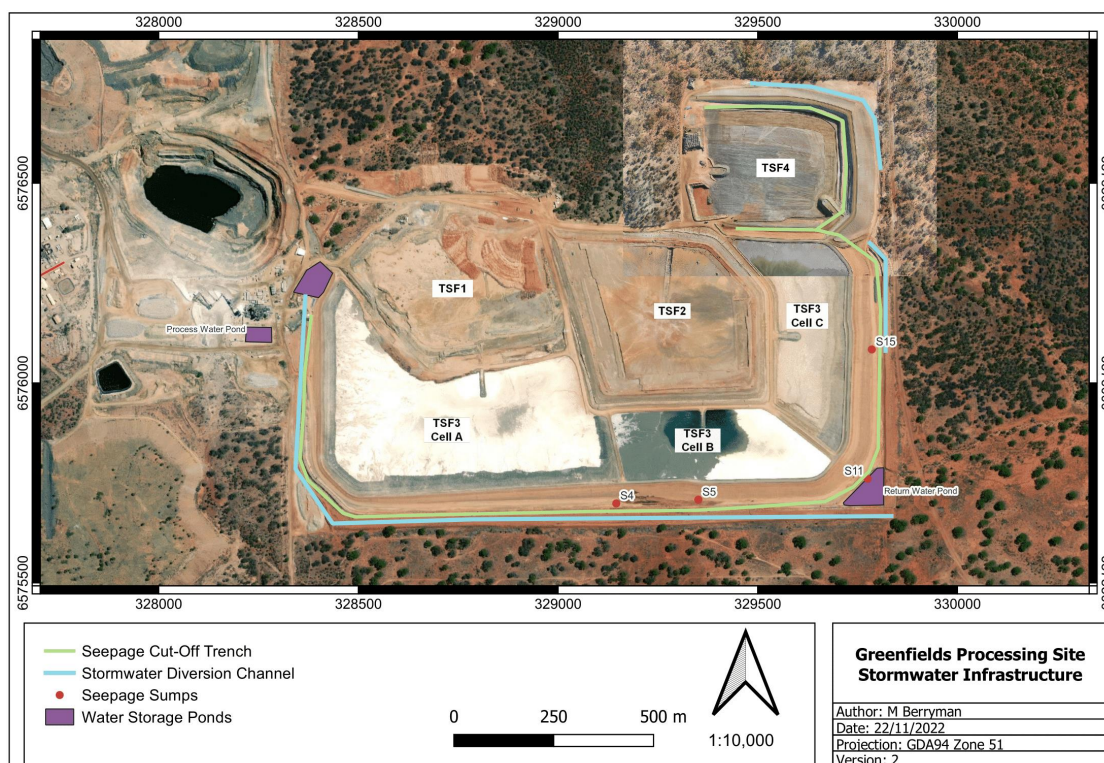
## 2.2.2 Operation of TSF4

Tailings deposition into TSF4 will be conducted from a ring main located adjacent to the upstream crest of the embankment. Tailings slurry will be discharged subaerially via multiple spigots, spaced 20 m apart. Rotating active deposition around the perimeter of the TSF4 cell would allow the decant pond to be maintained around the decant tower to maximise recovery. Tailings deposition is intended to alternate between TSF4 and TSF3 Cell A, B and C, depending on the construction schedule for additional embankment raises.

The underdrainage system will be in place during the operation of TSF4. The system comprises of perforated drainage pipes (i.e., Megaflo 300 Ultra with Bidim geotextile wrap) graded towards a towered sump, as well as cut-off trenches under the north, east and south embankments that are connected to four constructed seepage sumps around TSF3. The leachate water intercepted would minimise the phreatic surface adjacent to the embankments and reduce potential seepage to surrounding groundwater. Water collected from the underdrainage system is then pumped to the lined Return Water Pond and returned to the processing facility (Figure 1).

2D finite element seepage analyses indicated that estimated daily seepage was 0.003 cubic meters (m<sup>3</sup>) and 0.005 m<sup>3</sup> per metre of embankment for the Stage 1 and Stage 5 embankment heights, respectively. With the construction of a clay lining and an underdrainage system, the seepage from TSF4 is expected to be low.

A total of six VWPs and three groundwater monitoring bores have been installed at TSF4 to monitor the potential impacts of tailings seepage on the phreatic surface within the embankment and ambient groundwater quality, respectively.



**Figure 1: Stormwater infrastructure for the Greenfields processing site TSF**

## 2.3 CEO-initiated amendment summary

In conjunction with this amendment application, the Delegated Officer has also revised several aspects of licence L4680/1988/13. The changes primarily included the following:

- Updated formatting of conditions to be in line with current licensing format, primarily the inclusion of conditions dedicated for infrastructure requirement and TSF embankment heights; and
- Amendment to conditions 23 and 24 to remove reporting requirements to DMIRS, as they are not enforceable. The Licence Holder should still be aware of their regulatory obligations under the *Mining Act 1978* and *Mine Safety and Inspection Act 1994*.

### 2.3.1 Decommissioning and closure of TSF infrastructure

The department noted that TSF4 (and the wider TSF infrastructure at the Greenfields Processing Site) is located on freehold land, on part of Lot 102 on Plan 40393, and is not subject to the *Mining Act 1978*, which would typically regulate the stability, rehabilitation and closure aspects of this facility. As such, regulatory controls under Part V of the EP Act may be considered for ensuring environmental risks associated with the closure and rehabilitation of TSF4 are sufficiently addressed.

In a letter dated 22 December 2022, the department requested an updated Mine Closure Plan (MCP) from the Licence Holder. The MCP was provided to the department on 1 March 2023. The Delegated Officer intends to seek advice from DMIRS on the adequacy of the MCP and, in a future amendment to licence L4680/1988/13, assess and condition requirements associated with decommissioning and closure of the infrastructure, to ensure that emissions and discharges associated with the rehabilitated TSF landform do not present an unacceptable risk to human health and environment.

## 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 2020b).

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 1 below. Table 1 also details the proposed control measures the Licence Holder has proposed to assist in controlling these emissions, where necessary.

**Table 1: Licence Holder controls**

Emission	Sources	Potential pathways	Proposed controls
Dust	Dried deposited tailings at TSF4	Air/windborne pathway	<ul style="list-style-type: none"><li>• Use of water carts for dust suppression; and</li><li>• Rotate spigots around TSF4 perimeter embankment.</li></ul>

Emission	Sources	Potential pathways	Proposed controls
Tailings slurry	Deposition of tailings to TSF4	Embankment failure resulting in loss of containment and direct discharge to land	<ul style="list-style-type: none"> <li>• Routine inspection for embankment damage or signs of erosion after rainfall events (at least daily);</li> <li>• Visual inspection around TSF4 to assess the condition of embankment, toe area and tailings beach;</li> <li>• Undertaking annual audit of TSF by independent engineers, as well as routine inspections by mill personnel;</li> <li>• Embankment crest sloped inwards (upstream) to shed water into the TSF4 beach;</li> <li>• Downstream slope of embankment covered with rock armour to provide erosion protection;</li> <li>• Monthly monitoring of standing water levels in surrounding groundwater monitoring bores around TSF4 embankment to assess trends in groundwater movement and potential mounding;</li> <li>• Monthly monitoring of vibrating wire piezometers (VWP) installed on the TSF4 embankment;</li> <li>• Settlement pins were installed to measure potential vertical deformation in TSF4 embankment;</li> <li>• Biannual high-resolution survey will be undertaken using an unmanned aerial vehicle;</li> <li>• Cycling of tailings deposition locations around the TSF4 embankment perimeter;</li> <li>• Maintenance of an operational freeboard of at least 300 mm at all times;</li> <li>• Decant water pond kept as small as practicable, with decant water removed via a decant system;</li> <li>• Decant pond to be maintained such that it would always be at least 100 m from the perimeter embankment; and</li> <li>• Catchment runoff from upstream (north) of TSF4 diverted to the east using a diversion drain.</li> </ul>
		Overtopping of TSF, resulting in loss of containment and direct discharge to	<ul style="list-style-type: none"> <li>• Decant water pond kept as small as practicable, with decant water removed via a decant system;</li> </ul>

Emission	Sources	Potential pathways	Proposed controls
		land	<ul style="list-style-type: none"> <li>• Maintenance of an operational freeboard of at least 300 mm at all times;</li> <li>• Embankment designed with adequate allowance to store water during a 1% Annual Exceedance Probability (AEP) storm event for 72 hours;</li> <li>• Monitoring of volume of tailings deposited to TSF4; and</li> <li>• Routine inspection of tailings beach (at least daily).</li> </ul>
Hypersaline water	Recovery of decant water from TSF4	Pipeline leak or rupture	<ul style="list-style-type: none"> <li>• Pipelines installed within earthen bunded corridors;</li> <li>• Installation of an automated leakage detection system;</li> <li>• Water recovery system was designed with a minimum capacity of 120 tonnes per hour, including additional capacity to recover water during a 1% AEP storm event for 72 hours; and</li> <li>• Routine inspection and maintenance of pipeline along the routes (at least twice a day).</li> </ul>
Tailings seepage	Deposition of tailings to TSF4	Vertical infiltration and horizontal subsurface migration	<ul style="list-style-type: none"> <li>• Embankment footprint and storage basin areas compacted to a depth of 0.3 m;</li> <li>• Where clay was absent, a compacted clay liner was constructed, with a permeability of <math>1 \times 10^{-8}</math> m/s;</li> <li>• Underground drainage system was installed, comprising underdrainage lines graded towards a sump within a concrete tower;</li> <li>• Decant water will be removed from the TSF surface via a decant system;</li> <li>• Decant pond to be maintained such that it would always be at least 100 m from the perimeter embankment;</li> <li>• Monthly monitoring of standing water levels in surrounding groundwater monitoring bores around TSF4 embankment to assess trends in groundwater movement and potential mounding;</li> <li>• Quarterly groundwater monitoring for groundwater chemistry;</li> <li>• Visual inspection around TSF4 to assess the condition of embankment,</li> </ul>

Emission	Sources	Potential pathways	Proposed controls
			toe area and tailings beach.

### 3.1.2 Receptors

In accordance with the *Guideline: Risk assessments* (DWER 2020b), 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.

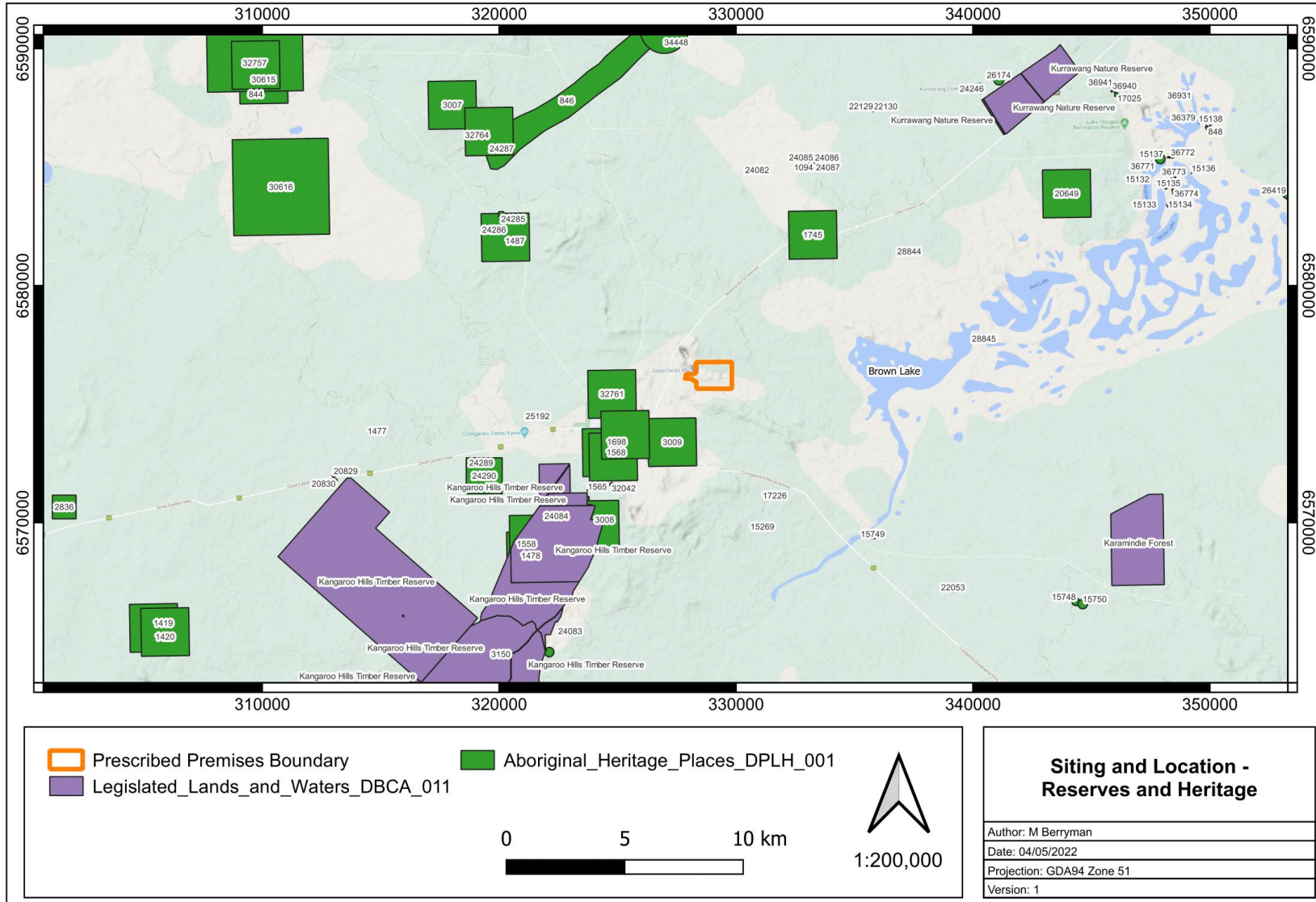
Table 2 below provides a summary of potential human and environmental receptors that may be impacted as a result of activities upon or emission and discharges from the prescribed premises (*Guideline: Environmental siting* (DWER 2020a)).

**Table 2: Sensitive human and environmental receptors and distance from prescribed activity**

Human receptors	Distance from prescribed activity
Coolgardie township	3.5 km south-west of the premises boundary.
Pastoral activities	The premises is surrounded by pastoral leases and used for stock grazing. The nearest pastoral station is the Mungari, located 1.6 km north-east of the premises boundary.
Environmental receptors	Distance from prescribed activity
Native vegetation	Low undulating mallee woodland and shrubland, comprising <i>Corymbia calophylla</i> , <i>Eucalyptus wandoo</i> and <i>Eucalyptus camaldulensis</i> abuts the premises on the northern, eastern and southern boundaries of the premises and the boundary of the TSFs.
Surface water bodies	Brown Lake is an ephemeral salt lake, located 5 km to the east of the premises boundary. Surface water typically drains to the east-southeast, towards Brown Lake. Brown Lake forms part of a chain of salt lakes, including Red Lake, Blue Lake, White Lake and Douglas Lake (in order of increasing distance from the premises).  Streamflow in local gullies and watercourses are ephemeral due to the semi-arid environment.
Groundwater aquifer	Groundwater at the premises occurs naturally at depth within a shallow unconfined porous-media aquifer. This aquifer is hosted in lithologies comprising weathered residual soil profile and the underlying weathered rock (gabbro). The lithologies were of low permeability and may act as an aquiclude.  Local groundwater mounding was observed at the premises due to seepage from the adjacent TSF3, with the shallowest and deepest standing water level observed at 4.2 m below ground level (mbgl) (MB302) and 21.9 mbgl (MB308), respectively, in the 2021 annual period (CMW Geosciences 2022).  During a groundwater monitoring event in August 2022, local groundwater salinity ranges from saline to hypersaline, with total dissolved solid concentrations ranging between 7,500 mg/L and 95,000 mg/L. Trace concentrations of weak acid dissociable cyanide (WAD CN) and certain heavy metals were also detected.  The standing water levels at the three newly installed monitoring bores for



	<p>TSF4 ranged between 12.5 mbgl (MB401) and 37.1 mbgl (MB403) and did not contain detectable concentrations of WAD CN.</p> <p>There are no groundwater bores registered within 2.5 km hydraulically downgradient of the TSF.</p>
<b>Cultural receptors</b>	<b>Distance from activity / prescribed premises</b>
Aboriginal heritage places	<p>Four registered Aboriginal heritage places were identified south-west of the premises (Figure 2), including:</p> <ul style="list-style-type: none"> <li>• Coolgardie Stones (Place ID 1568) – Ceremonial, man-made structure, mythological; located 3.3 km from the premises boundary;</li> <li>• Two Trees (Place ID 1698) – Mythological; located 4 km from the premises boundary;</li> <li>• Kurrkurti (Place ID 1475) – Ceremonial, water source; located 2.2 km from the premises boundary; and</li> <li>• Kurkuthutana (Place ID 3009) – Ceremonial, mythological, camp, meeting place, plant resource and water source; located 1.2 km from the premises boundary.</li> </ul> <p>Two Aboriginal heritage places were also lodged:</p> <ul style="list-style-type: none"> <li>• Kurlkuli/Coolgardie Lookout (Place ID 32759) – Ceremonial, rock shelter, camp, hunting place, meeting place, named place, plant resource and water source; located 3.1 km south-west of the premises boundary; and</li> <li>• Roundhead/Ngumarn (Place ID 32761) – Ceremonial, mythological, rock shelter, birthplace, camp, hunting place, meeting place, natural feature and plant resource; located 2 km west of the premises boundary.</li> </ul>



**Figure 2: DBCA reserves and Aboriginal heritage places surrounding the premises.**

## 3.2 Risk ratings

Risk ratings have been assessed in accordance with the *Guideline: Risk Assessments* (DWER 2020b) 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 amended 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 3.

The Revised Licence L4680/1988/13 that accompanies this Amendment Report authorises emissions associated with the operation of the Premises i.e. tailings deposition at TSF4.

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

**Table 3. Risk assessment of potential emissions and discharges from the Premises during operation**

Risk Event					Risk rating <sup>1</sup> C = consequence L = likelihood	Licence Holder's controls sufficient?	Conditions <sup>2</sup> of licence	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Licence Holder's controls				
<b>Operation</b>								
Deposition of tailings into TSF4 Stage 1 starter embankment	Dust	<b>Pathway:</b> Air/ windborne pathway <b>Impact:</b> Impacts to health and amenity	Coolgardie township; Native vegetation and soil	Refer to Section 3.1	C = Minor L = Unlikely <b>Medium risk</b>	Y	N/A	N/A
	Tailings seepage	<b>Pathway:</b> Vertical infiltration and horizontal migration <b>Impact:</b> Mounding of local water table and potential surface expression of groundwater, resulting in impacts to ecological health	Native vegetation and soil; Groundwater aquifer	Refer to Section 3.1	C = Moderate L = Possible <b>Medium risk</b>	N	<b>Condition 1</b> Condition 2 Condition 13 Condition 14	The Delegated Officer has included an additional requirement such that the decant pond does not exceed 15% of the total surface area of the tailings beach at TSF4.  In the existing licence, this was a general condition that applied to all active TSFs.
	Tailings slurry	<b>Pathway:</b> Embankment failure, resulting in loss of containment and discharge of tailing slurry to land <b>Impact:</b> Impact to ecological health	Pastoral activities; Native vegetation and soil; Surface water bodies; Aboriginal heritage places.	Refer to Section 3.1	C = Major L = Rare <b>Medium risk</b>	Y	<b>Condition 1</b> Condition 2 Condition 4	The Delegated Officer has conditioned this for TSF4 to be consistent with the requirements of TSF3.
	Tailings release	<b>Pathway:</b> Overtopping of TSF, resulting in loss of containment and discharge of tailings slurry to land <b>Impact:</b> Impact to ecological health	Pastoral activities; Native vegetation and soil.	Refer to Section 3.1	C = Moderate L = Unlikely <b>Medium risk</b>	Y	Condition 1 Condition 4	N/A
	Tailings release	<b>Pathway:</b> Pipeline leak or rupture, resulting in loss of containment and discharge of tailings slurry to land <b>Impact:</b> Impact to ecological health		Refer to Section 3.1	C = Minor L = Unlikely <b>Medium risk</b>	Y	Condition 3 Condition 4	N/A
	Hypersaline return water	<b>Pathway:</b> Pipeline leak or rupture, resulting in loss of containment and discharge of hypersaline return water to land <b>Impact:</b> Impact to ecological health		Refer to Section 3.1	C = Minor L = Unlikely <b>Medium risk</b>	Y	Condition 3 Condition 4	N/A

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

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 4 provides a summary of the consultation undertaken by the department.

**Table 4: Consultation**

Consultation method	Comments received	Department response
Shire of Coolgardie advised of proposal on 13 January 2023.	No response received.	N/A
Department of Mines, Industry Regulation and Safety (DMIRS) advised of proposal on 13 January 2023.	DMIRS has no concerns regarding the construction of the TSF4 starter embankment.	N/A
Licence Holder was provided with draft amendment on 23 March 2023.	Licence Holder responded on 27 March 2023 noting minor administrative errors found in Table 7, Table 11 and Condition 20 of the revised licence.  Licence Holder waived the remainder of the consultation period.	The department addressed the administrative errors found.

## 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 5 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 5: Summary of licence amendments**

Condition no.	Proposed amendments
General	References to figure numbers, table numbers and condition numbers in the licence were updated to reflect amendments.
Condition 1	New condition.  Added to outline authorised construction and operating heights of TSF infrastructure.
Condition 3	Updated condition 3 and Table 2 to: <ul style="list-style-type: none"> <li>improve clarity of condition;</li> <li>include TSF4 and stormwater diversion channel; and</li> <li>specify TSF1 and TSF2 as inactive TSFs.</li> </ul>
Condition 4	Added Table 3 to specify freeboard requirements for relevant containment

	infrastructure.
Condition 5	Updated condition to specify application of condition to only active TSFs and improve wording of condition.
Condition 6	Updated Table 3 to specify operational freeboard for the inspection of TSF embankments.
Condition 10	Updated condition to current licensing format. Added additional condition 10(a) to specify requirements of weekly monitoring (for supernatant pond in condition 15).
Condition 14	Updated Table 6 to be specify parameters and processes to be monitored.
Condition 15	Updated condition 15 and Table 7 to: <ul style="list-style-type: none"> <li>• current licensing format;</li> <li>• specify units for pH monitoring; and</li> <li>• included groundwater monitoring bores for TSF4.</li> </ul>
Condition 24	Updated condition to remove requirement to submit annual review report to the Inspector of Mines (DMIRS).
Condition 25	Updated Table 12 to remove requirement to notify Safety Directorate (DMIRS).
Schedule 1: Maps	Updated Figure 1 to Figure 4 to include TSF4 and associated infrastructure.
Schedule 3: Monitoring bore and piezometer details	Updated Table 12 and 13 to: <ul style="list-style-type: none"> <li>• indicate coordinates in GDA2020; and</li> <li>• include monitoring bores MB401, MB402 and MB403 as well as VWP VWP401, VWP402 and VWP403.</li> </ul>
<b><i>Deleted conditions (existing condition number)</i></b>	
Condition 1	Redundant condition. Adequately covered by alternative existing conditions.
Condition 2	Redundant condition. Adequately covered by condition 3 (updated).
Condition 11	Redundant condition. Condition requirements have been met in notification received by the department on 17 February 2023.
Condition 12	Redundant condition. Condition requirements have been met in notification received by the department on 17 February 2023.

## References

1. CMW Geosciences 2022, *Annual Audit and Management Review Tailings Storage Facility No.3 Greenfields Mill, Coolgardie WA*, Ref: PER2021-0423AB Rev 0. DWERDT556470.
2. Department of Environment Regulation (DER) 2015, *Guidance Statement: Setting Conditions*, Perth, Western Australia.
3. Department of Water and Environmental Regulation (DWER) 2020a, *Guideline: Environmental Siting*, Perth, Western Australia.
4. DWER 2020b, *Guideline: Risk Assessments*, Perth, Western Australia.
5. DWER 2022, *Works Approval Compliance Report – Compliance Demonstrated and Time Limited Operation Authorised for TSF4*, Perth, Western Australia. 7 November 2022. TRIM: A2136547.

## Appendix 1: Application validation summary

SECTION 1: APPLICATION SUMMARY (as updated from validation checklist)				
<b>Application type</b>				
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:	L4680/1988/13	
		Relevant works approval number:	W6547/2021/1	N/A <input type="checkbox"/>
Registration	<input type="checkbox"/>	Current works approval number:	None	<input type="checkbox"/>
Date application received				
<b>Applicant and Premises details</b>				
Applicant name/s (full legal name/s)		FMR Investments Pty Ltd		
Premises name		Greenfields Processing Site		
Premises location		Lot 102 on Plan 40393 Mining tenement M15/1836		
Local Government Authority		Shire of Coolgardie		
<b>Application documents</b>				
HPCM file reference number:		2013/003899-1		
Key application documents (additional to application form):		<ul style="list-style-type: none"> <li>Att 1A: Proof of Occupier Status</li> <li>Att 2: Premises Maps</li> <li>Att 3B: Proposed Activities (same Design Report used to apply for the works approval)</li> <li>Att 7: Siting and Location</li> </ul>		
<b>Scope of application/assessment</b>				



Summary of proposed activities or changes to existing operations.	<u>Licence amendment</u> Operation of TSF4 Stage starter embankment, to a maximum height of RL 396.5 m.	
Category number/s (activities that cause the premises to become prescribed premises)		
<b>Table 1: Prescribed premises categories</b>		
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 and non-metallic ore	1,400,000 tonnes per annual period	No change.
<b>Legislative context and other approvals</b>		
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"/>	N/A
Does the applicant hold any existing Part IV Ministerial Statements relevant to the application?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A
Has the proposal been referred and/or assessed under the EPBC Act?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A
Has the applicant demonstrated occupancy (proof of occupier status)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Certificate of title <input checked="" type="checkbox"/>
Has the applicant obtained all relevant planning approvals?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Planning Application PA21/23 approved by Shire of Coolgardie on 7 July 2021.
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: CPS 8574/1, CPS 9319/1
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"/>	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"/>	Licence/permit No: GWL 73070(5)

Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the EP Act)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Name: Goldfields Groundwater Area Type: Proclaimed Groundwater Area Has Regulatory Services (Water) been consulted? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>
Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A
Is the Premises subject to any other Acts or subsidiary regulations?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Mine Safety and Inspection Act 1994
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: Awaiting Classification Date of classification: N/A