



# APP-0035471 - Amendment - Works Approval

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

**Applicant**

TALISON LITHIUM PTY LTD

**Premises name**

Talison Lithium Mine

**Suburb Postcode**

Greenbushes 6254

**Local government area**

Shire of Bridgetown-Greenbushes

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## 1 Application information

**Application number:** APP-0035471

**Application type:** Amendment

**Application sub-type:** Amendment

**Application activity:** Works Approval

**Instrument:** W6901/2024/1

**Amendment changes:** The scope of this Works Approval Application is an amendment to the approved embankment raise for TSF4 Cell 1 from 5m to 7.5m (i.e., a final embankment crest height of 1,277.5mRL rather than the approved 1,275mRL).

Further detail is provided in the Supporting Document.

## 2 Applicant details

**Applicant/Instrument holder:** TALISON LITHIUM PTY LTD

**ABN:** 15140122078

**ACN:** 140122078

**Address:**

Level 17, 216 St Georges Terrace  
Perth WA 6000  
AU

## 3 Premises details

**Premises description:**

The land on which the works will be completed is within:

- Talison-held tenements M01/6 and M01/7;
- the Development Envelope approved under Ministerial Statement 1111; and
- the Prescribed Premises covered by Works Approval W6901/2024/1.

Further detail is provided in the Supporting Document.

**Premises name:** Talison Lithium Mine

**Street Address:** 1662 Maranup Ford Rd, Greenbushes Western Australia 6254

**Local Government Area:** Shire of Bridgetown-Greenbushes

**Suburb:** Greenbushes

**Post code:** 6254

### 3 Premises details

<b>Occupier Status:</b> Lease holder	
<b>Holder of an executed lease:</b> Yes	<b>Lease details:</b> M01/6 - Expires 27/12/2026 M01/7 - Expires 27/12/2026
<b>Specify other:</b>	
<b>Is the premises situated in a Public Drinking Water Source Area (PDWSA)?</b> No	<b>Relevant details:</b>
<b>Does the premises involve a discharge of waste into a designated area (as defined in section 57 of the EP Act)?</b> No	<b>Relevant details:</b>
<b>Is the premises within an Environmental Protection Policy (EPP) Area or State Environmental Policy (SEP) Area?</b> No	<b>Relevant details:</b>
<b>Is the premises subject to any Environmental Protection Policy (EPP) Area or State Environmental Policy (SEP) Area requirements?</b> No	<b>Relevant details:</b>

## 4 Prescribed activities

### 4.1 Prescribed premises categories

Category	Schedule 1 Production/design capacity	Unit type	Capacity range	Production / design capacity	Estimated/actual throughput	Change to category indicator
5 - Processing or beneficiation of metallic or non-metallic ore	50 000 tonnes or more per year	tonnes/year	More than 5 000 000 tonnes per year	7,100,000.00	7,100,000.00	New

### 4.2 Cost of works

## 5 Infrastructure, equipment and controls

### 5.1 Elements

Element type	Element title	Design construction / Installation specifications	Operational specifications	Site plan reference	Related Prescribed activity <sup>1</sup>	Critical containment	Reference to supporting document
Tailings storage facility	Tailings storage facility	Please refer to the Supporting Document.	Please refer to the Supporting Document.	Please refer to Figure 2 in the Supporting Document		Yes	Supporting Document (Attachment 6A, Attachment 7 and Attachment 8)

### 5.2 Activity elements

Element Title	Applicable activity phases	Commissioning details (if applicable)	Time limited operations details (if applicable)	Supporting document reference
Tailings storage facility	Construction Operational Time limited operations		The infrastructure being constructed in the Cell 1 raise from 1270mRL to 1277.5mRL will require TLO from completion of construction until inclusion within the Licence.  Please refer to Section 3B.4 Time Limited Operations in the Supporting Document for further information.	Please refer to Section 3B.4 Time Limited Operations in the Supporting Document for further informat

Note 1: The Related Prescribed activity is only completed where the element relates to only one prescribed premises category. This is left blank where the element relates to multiple categories.

## 6 Emissions and discharges

### 6.1 Waste management

Waste Activity	Solid/Liquid/Other	Waste Description	Waste Type	Controlled waste type	Specifications of waste activity	Reference to supporting document	Related Elements
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Is any of the waste considered Dangerous Goods for the purpose of the Dangerous Goods Safety (Storage and Handling of Non explosives) Regulations 2007?  
No

Relevant details:

### 6.2 Part 2 waste discharges

Prescribed activity	Part 2 waste type	Waste Description	Discharge point	Specifications of discharge activity	Discharge quantity bracket	Discharge quantity	Unit type
5 - Processing or beneficiation of metallic or non-metallic ore	Tailings	Please refer to section 3B.3 and 3B.5 of the Supporting Document.	Figure 17 Tailings pipeline discharge into TSF4 and decant return pipeline	Please refer to Section 3B.3.2 Tailings Deposition in the Supporting Document.	More than 1 000 000 tonnes per year	6,840,000.00	tonnes/year

### 6.3 Discharges to the environment

#### 6.3.1 Discharges to air

Discharge	Waste Description	Discharge rate	Unit type	Discharge point	Specifications of discharge activity	Related elements
<i>6.3.1.1 Part 3 Kind of waste discharges into air</i>						
Discharge	Discharge point	Waste type	Location/qualifier	Discharge	Unit type	Related elements

#### 6.3.2 Discharges to water

Discharge	Waste Description	Discharge rate	Unit type	Discharge point	Specifications of discharge activity	Related elements
<i>6.3.2.1 Part 3 Kind of waste discharges into water</i>						
Discharge	Discharge point	Waste type	Location/qualifier	Discharge	Unit type	Related elements

#### 6.3.3 Discharges to land

Discharge	Waste Description	Discharge rate	Unit type	Discharge point	Specifications of discharge activity	Related elements
<i>6.3.3.1 Part 3 Kind of waste discharges onto land</i>						
Discharge	Discharge point	Waste type	Location/qualifier	Discharge	Unit type	Related elements

### 6.4 Fugitive emissions

Emission Type	Sources and location description	Characteristics of the emission	Assessment/modelling reference documents	Related elements	Related waste activities	Related waste types
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## 6 Emissions and discharges

### 6.5 Monitoring

#### 6.5.1 Monitoring activities

Monitoring activity	Monitoring environment	Monitoring location	Parameter	Frequency	Averaging period	Unit	Sampling method details	Analysis method details
See Supporting Document		Refer to Supporting Document					Please refer to Table 6 in the Supporting Document	Please refer to Table 6 in the Supporting Document

## 7 Receptors and environmental siting

### 7.1 Receptors

Receptor group and type	Receptor description	Distance and orientation	Location description
Human receptors-	Residential dwellings south of TSF4	The closest residential dwellings to TSF4 are: <ul style="list-style-type: none"> <li>K: Lot 504 on Plan 73712 (Talisson owned) - ~1.3km south-west of TSF4</li> <li>J: Lot 11888 on Plan 162545 (Talisson owned) - ~1.1km south of TSF4</li> <li>I: Lot 5220 on Plan 136672 - ~1.0km south of TSF4</li> </ul>	Greenbushes townsite is ~3.2km north of TSF4
Human receptors-	Downstream surface water users	Figure 25 Sensitive Receptors (in the Supporting Document) shows the location of the surface water users downstream from TSF4.	Figure 25 Sensitive Receptors (in the Supporting Document) shows the location of the surface water users downstream from TSF4.
Human receptors-	Groundwater users	The distance to closest down hydraulic gradient groundwater user is 3.2km southeast for stock/irrigation and 3.6km southeast for domestic purposes.	Refer to Figure 25 Sensitive Receptors in the Supporting Document.
Environmental receptors-Surface water	Woljenup Creek, Blackwood River and associated tributaries.	Woljenup creek immediately south and down-gradient of TSF4.	See Figure 25 Sensitive Receptors in the Supporting Document.
Environmental receptors-Surface water	Cowan Brook, Norilup Dam and Norilup Brook (water quality and ecology)	At the western edge of the premises boundary (offsite).	Refer to Figure 25 in the Supporting Document
Environmental receptors-Groundwater	Groundwater	Shallow and deep aquifer below and around TSF4 footprint.	Shallow and deep aquifer below and around TSF4 footprint.
Environmental receptors-Other	Aboriginal Heritage The drainage line, Woljenup Creek and Blackwood River are listed under the Aboriginal Heritage Act 1972	Woljenup creek immediately south and down-gradient of TSF4.	See Figure 25 in the Supporting Document
Environmental receptors-Other	Nearby native vegetation	Immediately adjacent to TSF4.	See Figure 25 in the Supporting Document.

### 7.2 Environmental siting context details

The Greenbushes Mine is situated on the top part of the southern section of the Darling Scarp, approximately 250km south of Perth and 80km south-east of Bunbury. The main ore body is orientated north-northwest to south-southeast and lies along a ridge line that rises to approximately 320mAHD.

Please refer to Attachment 7 in the Supporting Document for further information.

## 8 Surveys for assessments (ISA)

### 8.1 Index of surveys for assessments (IBSA and IMSA)

ISA submission number	Survey type	Survey title
8.2 Legacy IBSA numbers		

## 9 Other approvals and Lead Agency status

### 9.1 State significant project details

<b>Major Project:</b> Yes	<b>Do the proposed activities have Lead Agency status?</b> Yes
	<b>Type of lead agency status:</b> Tier 1: State significant
	<b>Case Manager department:</b> Department of Energy and Economic Diversification
<b>Subject to State Agreement Act:</b> No	<b>State Agreement Act:</b>

### 9.2 Other external approvals

<b>If required, has approval for a Mining proposal been obtained?</b> Yes	<b>Relevant details:</b> TSF4 was approved to 1295mRL under Reg ID 102901 on 10 January 2022. A Proforma for Notification of Minor Changes to a Mining Proposal was submitted to the Department of Energy, Mines, Industry Regulation and Safety (DEMIRS, now Department of Mines, Petroleum and Exploration (DMPE)) on 16 May 2023, detailing changes to the Cell 1 starter embankment height (staged construction) and the TSF4 rate of rise (Talisson, 2023a). A further amendment under the Mining Act to TSF4 was approved under Reg ID 119573 in August 2023 to permit use of BGM liner for a portion of Cell 1 (Talisson, 2023b). An additional amendment (under Reg ID 121397) to use a BGM liner for all of TSF4 Cell 2 was approved by DEMIRS on 8 December 2023. An updated MCP was submitted to DMPE in September 2025 (Revision 7) and is currently under assessment.  This Application is consistent with these Mining Act approvals.
<b>If required, have all relevant planning approvals been obtained?</b> Not applicable	<b>Relevant details:</b> Planning approval does not apply to projects regulated under the Mining Act 1978 (WA).

## 9 Other approvals and Lead Agency status

### 9.3 Other DWER approvals

#### 9.3.1 Part IV of the EP Act

**Have the proposed activities been referred to the EPA?**

No

**Relevant details:**

**Do you intend to refer the proposed activities to the EPA:**

No - a current valid Ministerial Statement applies

**Ministerial Statement number:**

MS1111

#### 9.3.2 Native vegetation clearing (Part V Division 2 of the EP Act and *Country Area Water Supply Act 1947*)

**Have you applied for native vegetation clearing?**

No

**Clearing approval reference number:**

**Do you intend to apply for native vegetation clearing?**

No

**Relevant details:**

In addition to the approved MS 1111 which authorises clearing of up to 350ha of native vegetation, clearing for approved mining activities is undertaken under Permit to Clear Native Vegetation CPS 5056/2 (purpose permit). The permit authorises clearing of no more than 120ha across M01/6, M01/7, M01/16, G01/1 and G01/2. This Application does not require any additional land clearing.

#### 9.3.3 Water licences and permits (*Rights in Water and Irrigation Act 1914*)

**Have you applied for a water licence or permit?**

Not applicable

**Relevant details:**

Not completing any activities that require these.

## 10 Stakeholders and consultations

### 10.1 Stakeholder consultation

**Stakeholder Identification:**

Talison maintains ongoing stakeholder consultation in relation to current operations and the Project. The town of Greenbushes is immediately adjacent to the operations, with the towns of Balingup and Bridgetown also located nearby. As the TSF4 embankment raise is part of an already approved structure and location, consultation to date has primarily focused on regulatory authorities, surrounding land holders and the immediate community.

**Consultation summary:**

Please refer to Table 5: Stakeholder Engagement Register referencing information relevant to this Application in the Supporting Document.

### 10.2 Key stakeholders

Stakeholder number	Did you consult?	Consultation details
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## 11 Supporting documents and attachments

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