



Application for Works Approval Amendment

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

Works Approval Number	W6283/2019/1
Works Approval Holder	Talison Lithium Australia Pty Ltd
ACN	139 401 308
File Number	APP-0030718 DER2019/000216
Premises	Talison Lithium Mine Maranup Ford Road GREENBUSHES WA 6254 Legal description – Mining Tenements – M01/3, M01/6, M01/7, M01/8, M01/9, M1/16 General Purpose Lease – G01/1, G01/04 As defined by the Premises maps attached to the Revised Works Approval
Date of Report	22 December 2025
Decision	Revised works approval granted

MANAGER, HEAVY INDUSTRIES

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

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1. Decision summary

Works Approval W6283/2019/1 is held by Talison Lithium Australia Pty Ltd (Works Approval Holder) for the Talison Lithium Mine (the Premises), located at Maranup Ford Road, Green bushes WA 6234, located on mining tenements M01/3, M01/6, M01/7, M01/8, M01/9 and M1/16 and General-Purpose leases G01/1 and G01/04.

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 construction and operation of the Premises. As a result of this assessment, Revised Works Approval W6283/2019/1 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 22 August 2025, the Works Approval Holder submitted an application to the department to amend Works Approval W6283/2019/1 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). The following amendments are being sought:

- Authorisation to modify the TLO period from 180 to 365 days;
- Authorisation to modify the CGP 3 circuit (including Crusher 3) operational requirement details for the:
 - hopper definition (run of mine bin)
 - addition of dust suppression operational management for the hopper
 - use of surface stabilising dust suppressant for the fine ore stockpile
 - fine ore stockpile sprinkler operational management

No other changes to the aspects of the existing Works Approval relating to Category 5 have been requested by the Works Approval Holder.

2.3 Proposed alteration to dust control specification

The works approval holder has submitted a request to update the terminology used for the 'feed hopper' at the Run of Mine to Crusher 3. In the current Works Approval W6283, this equipment is referred to as the 'hopper'. The proposed amendment seeks to formally rename the 'feed hopper' as the Run of Mine Bin to ensure consistent terminology throughout project documentation

The works approval holder has requested that dust suppression be conducted at the Run of Mine Bin and the Fine Ore Stockpile feed chute in accordance with the *Talison Lithium Pty Ltd Air Quality Trigger Action Response Plan*, to minimise un-necessary water usage (when dust lift off risk is low). The works approval holder has advised that the remaining dust controls will continue to be applied (as specified in works approval W6283/2019/1), with the proposed change allowing for the suspension of dust suppression activities during periods of low dust risk.

The works approval holder has also requested that dust suppression measures for the crushed and fine ore stockpiles permit the use of a surface stabiliser. This approach aims to maintain

the stockpile moisture content between 5–8% over extended periods - approximately two months - when the stockpile remains undisturbed between the commencement of time limited operations for Crusher 3 and the commencement of the time limited operations for CGP3.

2.4 Time-Limited Operations

The works approval holder has requested an extension to time limited operations (TLO) for all infrastructure within the scope of this application. To reduce the need for ongoing administrative amendments to the premises operating licence (L4247/1991/13), the works approval holder has requested that the duration of TLO be amended to 365 days to allow for the staged completion of infrastructure, submission of compliance documentation, and allow for sufficient time for the department to process future licence amendment applications for this infrastructure.

3. Risk assessment

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

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

3.1 Source-pathways and receptors

3.1.1 Emissions and controls

The key emissions and their actual or likely pathways during premises operation, as well as the corresponding control measures proposed by the Works Approval Holder, are summarised in Table 1 below.

Table 1: Works Approval Holder controls

Emission	Sources	Potential pathways	Proposed controls
Dust	1. CGP2 OS	Pathway: Air / windborne pathway Impact: health and amenities	Sufficient controls exist under the existing licence and works approvals.
Noise	2. CGP3 circuit (Crusher 3 & CGP3)		
Contaminated and sediment laden stormwater	3. CGP4 circuit (Crusher 4 & CGP 4 OS & CGP 4) 4. Standalone OS 5. Supporting infrastructure (incl conveyors & material handling plant; overland conveyor 6. Feed / Product Stockpiles	Pathway: Surface water run off Impact: contamination of native vegetation and surface water impacting ecological health	

3.1.2 Receptors

In accordance with the *Guideline: Risk assessments* (DWER 2020), the delegated officer has excluded employees, visitors and contractors of the Works Approval 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 2020)).

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

Human receptors	Distance from prescribed activity
Residents	• Town of Greenbushes and other residential receptors (nearest resident – 1.5 km NW of CGP3)
Environmental receptors	Distance from prescribed activity
Native vegetation	Native vegetation surrounding the premises consists of forest and woodland comprising <i>Eucalyptus marginata</i> , <i>Corymbia calophylla</i> and <i>E. wandoo</i> . Directly west of CGP4.
Greenbushes State Forest (Class A State Forest management by DBCA)	Located in the western half of the premises and surrounding the premises boundary – directly west of CGP4. Assessed in EPA report and regulated under MS1111.
Aboriginal Heritage places	Blackwood River (ID 20434) was identified as a Registered site of mythological significance in association with <i>Waugal</i> beliefs.
Cowan Brook, Cowan Brook Dam and sub-catchment	Western edge of prescribed premises boundary (brook connects Cowan Brook Dam located within the premises and Norilup Dam) – directly north-west of CGP4 location.
Norilup Brook inc. Norilup Dam and sub-catchment	Approximately 2 km to the west south-west of the premises.

3.2 Risk ratings

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

Where the Works Approval 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 Works Approval Holder's proposed controls to be critical to maintaining an acceptable level of risk, these will be incorporated into the works approval as regulatory controls.

Additional regulatory controls may be imposed where the Works Approval 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 Works Approval W6283/2019/1 that accompanies this Amendment Report authorises construction and time-limited operations. The conditions in the Revised Works Approval have been determined in accordance with *Guidance Statement: Setting Conditions* (DER 2015).

A licence is required following the time-limited operational phase authorised under the works approval to authorise emissions associated with the ongoing operation of the Premises.

Table 3. Risk assessment of potential emissions and discharges from the Premises during construction, commissioning and operation

Risk Event					Risk rating ¹ C = consequence L = likelihood	Works Approval Holder's controls sufficient?	Conditions ² of works approval	Justification for additional regulatory controls/ DWER comments
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Works Approval Holder's controls				
Operation (including time-limited-operations operations)								
1. CGP2 OS; 2. CGP3 circuit (Crusher 3 & CGP3); 3. CGP4 circuit (Crusher 4 & CGP 4 OS & CGP 4); 4. Standalone OS; 5. Supporting infrastructure (incl conveyors & material handling)	Dust	Pathway: Air / windborne pathway. Impact: health and amenities.	Town of Greenbushes and other residential receptors (nearest resident – 1.5 km NW of CGP3).	Refer to Section 3.1.1	C = Major L = Possible High Risk	Y	Condition 1, Table 1: requirements for dust controls. Condition 4: improvement works. Condition 5: improvement of monitoring network. Condition 8, Table 4: operational requirements.	The delegated officer considers that proposed changes to dust control are unlikely to significantly alter the risk associated with dust emissions from the operation of this infrastructure. The delegated officer considers that the proposal to align the dust control with that of the Trigger Action Response Plan, as required by the premises licence is suitable, however considers that the requirements for operating this equipment should also align with the requirement to apply proactive dust

Risk Event					Risk rating ¹ C = consequence L = likelihood	Works Approval Holder's controls sufficient?	Conditions ² of works approval	Justification for additional regulatory controls/ DWER comments
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Works Approval Holder's controls				
plant; overland conveyor; and 6. Feed / Product Stockpiles.								controls, similar to that conditioned under the licence. To ensure consistency of control, the dust control specification of the works approval has been updated to require proactive application of dust suppression when visible dust is observed.
	Noise	Pathway: Air / windborne pathway. Impact: health and amenities.	Town of Greenbushes and other residential receptors (nearest resident – 1.5 km NW of CGP3).	Refer to Section 3.1.1	C = Moderate L = Possible Medium Risk	Y	Condition 1, Table 1: construction of noise bund & equipment to be enclosed.	The delegated officer notes that the noise emissions from the premises are currently regulated via Regulation 17 of the Environmental Protection (Noise) Regulations 1997. Due to the minor nature of the changes proposed by this amendment application, the delegated officer considers that no further noise controls are necessary.
	Contaminated and Sediment laden stormwater.	Pathway: Surface water runoff. Impact: contamination of native vegetation and surface water impacting ecological health.	Greenbushes Forest (directly west of CGP4) Surface water bodies / creek lines (Cowan Brook directly NW of CGP4).	Refer to Section 3.1.1	C = Moderate L = Possible Medium Risk	Y	Condition 1, Table 1: requirements for surface water drainage around infrastructure. Condition 1, Table 1: operational requirements for the ponds.	The delegated officer considers the works approval holder's existing controls for containing potentially contaminated water from the processing areas is sufficient in managing risks to nearby surface water bodies and vegetation. Adequate existing controls are conditioned in the works approval, with no additional regulatory controls required.

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

Note 2: Proposed Works Approval Holder's controls are depicted by standard text. **bold and underlined text** depicts additional regulatory controls imposed by department.

4. Conclusion

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

The amendment to Works Approval W6283/2019/1 granted 17 March 2025 considered the risk associated with dust emissions during time-limited operations and determined that while the risk was high (due to possible health impacts and dust composition uncertainties), the controls proposed and subsequently conditioned within the works approval were sufficient to manage this risk. In a similar manner, the risks associated with noise emissions, and the management of stormwater and surface damage were considered sufficient to manage the risks associated with time limited operations. The proposed alteration to the duration of time limited operations will continue to be managed via the existing controls on the works approval, as well as controls within the licence for operations at the premises holistically.

As detailed in recent risk assessments undertaken for this premises, conditions on the premises licence and works approval form part of the department's iterative approach to improving dust controls at the premises, to ensure that dust sources are identified and risks are managed to acceptable levels. Where necessary and appropriate, controls for dust are captured via the premises licence and individual works approvals. Where this occurs, consideration is given to the collective suite of controls or strategies in place to manage dust risks. Given this, control outcomes are served via a number of instruments (approach taken and control applied) in regulating premises activities.

The delegated officer has determined that the proposed alignment of dust controls for infrastructure operated under the works approval (through time limited operations) to the premises Trigger Action Response Plan is considered appropriate, acknowledging the ongoing interaction with this infrastructure within the broader premises and the management approach to mitigating dust emissions. The proposed amendment to utilise dust suppressants is considered acceptable, noting that the use of dust suppressants is authorised elsewhere on the premises, and will likely achieve a similar control outcome for static stockpiles. Conditions of the licence, including proactive dust controls and the application of additional dust suppression in the event of a dust event, are also considered an important control, and to ensure alignment across both regulatory instruments, the delegated officer has updated the works approval condition to include this control.

Following the outcome of ongoing dust monitoring conducted via the licence and improvement investigations required by the works approval, particularly where investigations determine a change in risk profile, the department will initiate changes to the requirements of the licence or works approval (as appropriate) to manage the risk. This may mean additional regulatory controls.

4.1 Summary of amendments

Table 4 provides a summary of the proposed amendments and will act as record of implemented changes. All proposed changes have been incorporated into the Revised Works Approval as part of the amendment process.

Table 4: Summary of works approval amendments

Condition no.	Proposed amendments
7(a)	Amendment to the specification of the duration of Time-Limited Operations to 365 days
8. Table 2, 1(c)	Change to dust suppression management requirements
8. Table 2, 1(c)	Change of definition from "hopper" to "Run of Mine Bin".

8. Table 2, 1(e)	Change to crushed/fine ore stockpile management, addition of “or surface to be stabilised with dust suppressant”.
8. Table 2, 1(f)	Change to Fine ore stockpile feed chute sprinkler operation and dust suppression management requirements

References

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

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

Condition	Summary of Works Approval Holder's comment	Department's response
8	<p>The works approval holder agrees to the proposed amendments for the crushed/fine ore stockpile and CGP3 circuit, including adding operational dust suppression details to Table 1, Condition 8 of works approval W6283/2019/1, allowing further dust management by <i>stabilising the surface with a dust suppressant</i>. Noting management of dust emissions for this infrastructure will be in <i>accordance with the Talison Lithium Pty Ltd Air Quality Trigger Action Response Plan</i>.</p>	<p>Noted</p>
8	<p>The works approval holder proposes the crushed/fine ore stockpile-maintained moisture level be adjusted from "between 5 – 8%", to "between 3.5 – 8%".</p>	<p>The Department acknowledges the request however considers that due to the additional assessment required to adequately review this proposed amendment, that it is unable to actioned at this time.</p> <p>Due to the nature of dust control specifications across a number of regulatory instruments, and the broad nature of risk management for dust emissions at the premises, a proposal to reduce the lower moisture limit of from 5% to 3.5% would need to be considered holistically, and consider site-specific evidence that a reduced moisture content will not increase dust emissions or health risks (i.e. dust extinction moisture data, or similar). While it is acknowledged that dust management across the premises is enacted via a number of controls and requirements, any proposed reduction needs to be assessed thoroughly to ensure controls remain adequate and effective.</p> <p>Consideration of a reduced moisture content specification would need to consider up to date and specific moisture content requirements for the ore stockpiled at the premises, to ensure any proposed change continues to effectively manage dust emissions from the premises.</p> <p>The department notes that concurrent to this amendment, an amendment application for licence L4247/1991/13 was recently submitted, and aspects related to moisture content specification for stockpiled ore may be considered as part of the amendments under review in the that application.</p>

Appendix 2: Application validation summary

SECTION 1: APPLICATION SUMMARY			
Application type			
Amendment to an existing works approval	<input checked="" type="checkbox"/>	Current works approval number	W6283/2019/1
Date application received	22/08/2025		
Applicant and premises details			
Applicant name/s (full legal name/s)	Talison Lithium Australia Pty Ltd		
Premises name	Talison Lithium Mine		
Premises location	Maranup Ford Road Greenbushes WA 6254 Mining Tenements: M01/3, M01/6, M01/7, M01/8, M01/9, M01/16 General Purpose Lease: G01/1, G01/04		
Local Government Authority	Shire of Bridgetown - Greenbushes		
Application documents			
HPCM file reference number	Instrument (folder): APP-0030718 Application (subfolder): APP-0030718		
Key application documents (supporting information provided in addition to the application form)	Updated premises map.		
Scope of application/assessment			
Summary of proposed activities and/or changes to existing operations	Change to TLO conditions and requested updates to dust control specifications on works approval.		
Category number/s (activities that cause the premises to become a prescribed premises)			
Table 1: Prescribed premises categories			
Prescribed premises category and description	Proposed or existing production or design capacity ¹	Proposed changes to the existing production or design capacity ¹ (amendments only)	Proposed activities, processes, or operations, including any changes to existing operations (if amendment)
Category 5: Processing or beneficiation of metallic or non-metallic ore	<u>Existing:</u> 12,500,000 tonnes per annual period	No change	No change
Legislative context and other approvals			
Has the applicant referred, or do they intend to refer, their proposal to the EPA under Part IV of the EP Act as a significant proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Referral decision No: Assessed under Part IV <input type="checkbox"/> Managed under Part V <input type="checkbox"/>	
Does the applicant hold any existing Part IV Ministerial Statements relevant to the application?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Ministerial statement No: 1111 EPA Assessment No: 2172; EPA report No. 1635	
Is the proposal a Major Project or subject to a State Agreement Act?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Lead Agency: DEED	
Has the proposal been referred to and/or assessed under the EPBC Act?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Reference No: 2018/8206 – approved 14 November 2019	
Has the applicant obtained approval for their	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Reg ID: 122334	

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Mining Proposal?		Status: Approved
Has the applicant obtained all relevant planning approvals?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	<i>Mining Act 1978</i> applies.
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"/>	Managed under MS1111
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"/>	No clearing is proposed.
Has the applicant applied for, or have an existing RIWI Act licence or permit in relation to this proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
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"/>	
Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	
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 1979</i>)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Aboriginal Heritage Act 1972, Biodiversity Conservation Act 2016, Conservation and Land Management Act 1984, Contaminated Sites Act 2003, EPBC Act 1999, Dangerous Goods Safety Act 2004, EP (Unauthorised Discharge) Regulations 2004, EP (Talisson Lithium Australia Greenbushes Operation Noise Emissions) Approval 2015</i>
Is the Premises within an Environmental Protection Policy (EPP) Area or State Environmental Policy (SEP) Area (e.g. Western Swamp Tortoise Habitat EPP, Peel Inlet – Harvey Estuary EPP, Kwinana Atmospheric Wastes EPP, Goldfields Residential Areas Sulfur Dioxide EPP, <i>State Environmental (Cockburn Sound) Policy 2015</i>)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is the Premises subject to any EPP or SEP 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"/>	Classification: Contaminated – restricted use (C–RU) Date of classification: 7 October 2020