



<b>Works Approval Number</b>	W6051/2017/1
<b>Works Approval Holder</b>	Pilgangoora Operations Pty Ltd
<b>ACN</b>	616 560 395
<b>File Number:</b>	DER2017/000317
<b>Premises</b>	Pilgangoora Lithium-Tantalum Project Mining Tenement M45/1256 and L45/147 MARBLE BAR WA 6760
<b>Date of Amendment</b>	25 February 2019

## Amendment

The Chief Executive Officer (CEO) of the Department of Water and Environmental Regulation (DWER) has amended the above Works Approval in accordance with section 59 of the *Environmental Protection Act 1986* (EP Act), as set out in this Amendment Notice. This Amendment Notice constitutes written notice of the amendment in accordance with section 59B(9) of the EP Act.

## Louise Lavery

### A/MANAGER, RESOURCE INDUSTRIES

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

## Definitions and interpretation

### Definitions

In this Amendment Notice, the terms in Table 1 have the meanings defined.

**Table 1: Definitions**

Term	Definition
ACN	Australian Company Number
Amendment Notice	refers to this document
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department Administering the <i>Environmental Protection Act 1986</i> Locked Bag 33 Cloisters Square PERTH WA 6850 <a href="mailto:info@dwer.wa.gov.au">info@dwer.wa.gov.au</a>
Delegated Officer	an officer under section 20 of the EP Act
DWER	Department of Water and Environmental Regulation
EP Act	<i>Environmental Protection Act 1986 (WA)</i>
Mtpa	Million tonnes per annum
Prescribed Premises	has the same meaning given to that term under the EP Act.
Premises	refers to the premises to which this Decision Report applies, as specified at the front of this Decision Report.
TMF	Tailings Monitoring Facility
Works Approval Holder	Pilgangoora Lithium-Tantalum Project
WWTP	Wastewater Treatment Plant

## Amendment Notice

This amendment is made pursuant to section 59 of the *Environmental Protection Act 1986* (EP Act) to amend the Works Approval issued under the EP Act for a prescribed premises as set out below. This notice of amendment is given under section 59B(9) of the EP Act.

This notice is limited only to an amendment for extending the commissioning periods for the Processing Plant, Power Station, Landfill, Mobile Crushing and Screening Plants, Bulk Diesel Fuel Facility and TMF Cells from 6 months, and the WWTP from 12 months.

The following guidance statements have informed the decision made on this amendment:

- *Guidance Statement: Regulatory Principles* (July 2015)
- *Guidance Statement: Setting Conditions* (October 2015)
- *Guidance Statement: Land Use Planning* (February 2017)
- *Guidance Statement: Licence Duration* (August 2016)
- *Guidance Statement: Decision Making* (February 2017)
- *Guidance Statement: Risk Assessment* (February 2017)
- *Guidance Statement: Environmental Siting* (November 2016)

## Amendment description

An extension to the commissioning periods of the Processing Plant, Power Station, Landfill, Mobile Crushing and Screening Plants, Bulk Diesel Fuel Facility, TMF Cells and WWTP is required to allow these facilities to continue commissioning until 30 September 2019.

## Amendment history

Table 2 provides the amendment history for W6051/2017/1.

**Table 2: Works approval amendments**

Instrument	Issued	Amendment
W6051/2017/1	28/09/2017	Original approval to construct: <ul style="list-style-type: none"> <li>• Category 5: max. 2mtpa capacity Processing Plant including Tailings Management Facility (TMF) Cell 2, Stage 1 only to 13.3m RL and tailings pipeline infrastructure;</li> <li>• Category 52: 15.7 MW (plus 2.2 MW standby) capacity Power Station;</li> <li>• Category 64: 100 tpa capacity putrescible and inert landfill facility;</li> <li>• Category 70: Crushing and Screening Facility, limited to 50,000 tpa during construction;</li> <li>• Category 73: 1,036 m<sup>3</sup> in aggregate Bulk fuel and chemical storage; and</li> </ul> Category 85: 50 m <sup>3</sup> /day throughput Wastewater Treatment Plant (WWTP).
W6051/2017/1	06/11/2017	Amendment 1 – DWER initiated amendment of Condition 6 to authorise the commissioning of the Process Plant and Power Station for a period no longer than 2 months
W6051/2017/1	27/06/2018	Amendment 2 – This amendment allows the following: <p>Approval to construct:</p> <ul style="list-style-type: none"> <li>• TMF Cell 1 Stage 1 (TMF 1), stages 1A and 1B;</li> <li>• TMF Cell 2 Stage 1 (TMF 2), in stages 1A and 1B;</li> <li>• Modifications of the existing WWTP to allow for an increase in throughput (from 100 to 125m<sup>3</sup>/day) and associated irrigation field expansion;</li> </ul>

		<ul style="list-style-type: none"> <li>• Category 64 landfill within the West Waste Dump;</li> <li>• Mobile crushing and screening plant (max capacity 1,000,000 tpa) for ore production</li> </ul> <p>Amendment to:</p> <ul style="list-style-type: none"> <li>• Change Prescribed Premises Category 5 to allow for the construction of a facility that allows for an increased processing throughput of (max) 1 Mtpa, taking the Premises total processing capacity to 3 Mtpa.</li> <li>• Change Prescribed Premises Category 85 to Category 54 to allow for the increased throughput and discharge from the WWTP</li> <li>• Add a new landfill location within the Premises.</li> <li>• Prescribed premises boundary to include L45/147 tenure.</li> <li>• Alter the location of the Category 52 power station and Category 73 fuel farm locations.</li> </ul>
W6051/2017/1	16/10/2018	<p>Transfer from Pilbara Minerals Limited to Pilgangoora Operations Pty Ltd</p> <p>On 6 August 2018, Pilbara Minerals Limited implemented an internal restructure with assets (mining tenements, contracts, plant, equipment, permits and licenses) relating to the Pilgangoora Lithium-Tantalum Project transferred to Pilgangoora Operations Pty Ltd</p>
W6051/2017/1	25/02/2019	<p>Amendment 3 - Extension of commissioning periods in Condition 8 and Condition 9 for the Processing Plant, Power Station, Landfill, Mobile Crushing and Screening Plants, Bulk Diesel Fuel Facility, TMF Cells and WWTP.</p>

## Decision

As the Works Approval Holder is currently commissioning the infrastructure and a Licence is to be issued by DWER shortly, the commissioning periods will be extended until 30 September 2019.

It should be noted that an operating Licence is to be issued shortly.

Completion reports have been provided for the Process Plant, Power Station, Landfill, Mobile Crushing and Screening Plants, Bulk Diesel Fuel Facility, TMF Cells and WWTP to demonstrate that these facilities have been constructed appropriately.

The Works Approval requires ongoing monitoring of the Reverse Osmosis brine, Reverse Osmosis brine mixed with wastewater effluent and also ambient groundwater monitoring.

## Works Approval Holder's comments

The Works Approval Holder was provided with the draft Amendment Notice on 22 February 2019. The Works Approval Holder responded on 22 February 2019, waiving the remaining consultation period (until 20 March 2019).

## Amendment

1. Condition 8 of the Works Approval is amended by the deletion of the text shown in strikethrough below and the insertion of the bold text shown in underline below:

8. The Works Approval Holder shall commission the Process Plant, Power Station, Landfill, Mobile Crushing and Screening Plants, Bulk Diesel Fuel Facility and TMF Cells ~~for a period of no longer than 6 months~~ **until 30 September 2019**, in accordance with the Conditions of this Works Approval, following submission of the report required by Condition 5.

2. Condition 9 of the Works Approval is amended by the deletion of the text shown in strikethrough below and the insertion of the bold text shown in underline below:

9. The Works Approval Holder shall commission the Waste Water Treatment Plant ~~for no more than 12 months~~ **until 30 September 2019**, in accordance with the Conditions of this Works Approval, following submission of the report required by Condition 5.

## Appendix 1: Key documents

	Document title	In text ref	Availability
1	Works Approval W6051/2017/1 – Pilgangoora Lithium-Tantalum Project	W6051/2017/1	accessed at <a href="http://www.dwer.wa.gov.au">www.dwer.wa.gov.au</a>
2	DER, July 2015. <i>Guidance Statement: Regulatory Principles</i> . Department of Environment Regulation, Perth.	DER 2015a	accessed at <a href="http://www.dwer.wa.gov.au">www.dwer.wa.gov.au</a>
3	DER, October 2015. <i>Guidance Statement: Setting Conditions</i> . Department of Environment Regulation, Perth.	DER 2015b	
4	DER, August 2016. <i>Guidance Statement: Licence Duration</i> . Department of Environment Regulation, Perth.	DER 2016a	
5	DER, November 2016. <i>Guidance Statement: Risk Assessments</i> . Department of Environment Regulation, Perth.	DER 2016b	
6	DER, November 2016. <i>Guidance Statement: Decision Making</i> . Department of Environment Regulation, Perth.	DER 2016c	