



Works Approval Number	W5911/2015/1
Works Approval Holder	Kwinana WTE Project Co Pty Ltd
ACN:	165 661 263
File Number:	DER2015/002147
Premises:	Kwinana Waste To Energy Plant Lot 9500 Leath Road, Kwinana Beach WA 6167 Legal description – Part of Lot 9501 on Plan 407762; within the coordinates 1:E384720.47, N6435668.39; 2:E384980.06, N6435668.44; 3:E384979.59, N6435538.32 and 4:E384704.40, N6435538.35 Certificate of Title Volume 2914 / Folio 663
Date of Amendment	14 November 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 WA Amendment Decision Report.

Chris Malley

A/Manager, Process Industries

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

Works Approval Amendment

This amendment is made pursuant to section 59 of the *Environmental Protection Act 1986* (EP Act) to amend Works Approval W5911/2015/1 granted under the EP Act for the Kwinana Waste To Energy Plant on Lot 9500 Leath Road, Kwinana Beach.

Details of the amendment are set out in the form of an amended works approval document and includes the consolidation of previous amendments listed in Table 2.

The Works Approval Holder applied to amend the works approval on 25 September 2019 (the Application) to ensure the works approval requirements are consistent with minor changes to its design made through internal detailed design work.

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

- *Guidance Statement: Regulatory Principles (July 2015)*
- *Guidance Statement: Risk Assessment (February 2017)*
- *Guidance Statement: Setting Conditions (October 2015)*
- *Guidance Statement: Decision Making (June 2019)*
- *Guideline: Industry Regulation Guide to Licensing (June 2019)*

Background

Works Approval W5911/2015/1 was granted on 31 March 2016 for construction and commissioning of the Kwinana Waste to Energy Plant that will combust municipal solid waste and recover heat for electricity generation. The works approval has been subsequently amended three times as listed Table 2.

Amendment description

The Works Approval Holder requested the amendments to the works approval listed in Table 1 that relate to minor changes to design through the detailed design work phase. Some changes also relate to a change in the nominated technology provider.

Table 1: Description of requested amendments

Part of conditions	Reason for Amendment request	Delegated Officer's response
Registered Business Address	New registered address since Avertas Energy has taken over the project	Registered Business Address updated.
Premises Location	Lot and Plan number have recently changed	Premises Location updated.
Infrastructure Requirements Table	<ol style="list-style-type: none">1. No large object detection system will be installed as this will be done by staff.2. Change the use of the waste bunker air extraction to secondary air use to reflect the technology provider's design.3. Add Keppel Seghers as the technology provider and update description of how the system works.4. Remove reference to Incineration Gas	Infrastructure Requirements Table updated with the new information. Refer to 'Decision' section below.

Part of conditions	Reason for Amendment request	Delegated Officer's response
	<p>Recirculation but keep the statement to minimise NOx formation in the combustion chamber.</p> <p>5. Remove the reference to "hydrated" to allow for flexibility when choosing the best lime reagent.</p> <p>6. All ash handling activities occur inside and as such fully enclosed conveyors are not required.</p>	
Schedule 2	Replace Schedule 2 to reflect the content of the Infrastructure Requirements Table.	Schedule 2 is removed as this was a doubling up of the Infrastructure Requirements Table.
Schedule 3	Replace the Site Plan as there have been some architectural design changes of the plant.	Agreed

Amendment history

Table 2 summarises the history of W5911/2015/1.

Table 2: History of Works Approval W5911/2015/1

Instrument	Issued	Amendment
Works Approval	31 March 2016	Works Approval issued.
Amendment Notice 1	20 January 2017	Correction of administrative errors and clarifying the relationship between the Continuous Emissions Monitoring System, the Air Pollution Control System and the Automated Combustion Control System.
Amendment Notice 2	12 June 2017	Amendment to the incineration technology, extend the expiry date and amend the lot description.
Amendment Notice 3	12 July 2018	Extend the duration of the Works Approval.
Amended Works Approval	14 November	Change the wording of the infrastructure to match the terms and technology used by the new technology provider. Combine the original Works Approval with all amendments to make an amended set of conditions that replaces all previous conditions.

Decision

In accordance with Section 59 of the EP Act, the Delegated Officer has granted amendments to the works approval consistent with Table 1. This decision is on the basis that the changes are not expected to change the previously assessment emissions and discharges risk profile and no further detailed risk assessment is required.

Details of the amendments are set out in the form of an Amended Works approval and includes consolidated amendments from three Amendment Notices granted on 20 January 2017, 12 June 2017 and 12 July 2018 respectively.

Works Approval Holder's comments

The Works Approval Holder was provided with the draft Amended Works Approval on 4 November 2019. The Works Approval Holder provided administrative comments on 12 November 2019 relating to the premises address which were accepted.

Appendix 1: Key documents

	Document title	In text ref	Availability
1	Works Approval	W5911/2015/1	accessed at www.dwer.wa.gov.au
2	Amendment Notice 1	-	
3	Amendment Notice 2	-	
4	Amendment Notice 3	-	
5	Application to amend the Works Approval dated 24 September 2019	-	DWER record: DWERDT205449
6	DER, July 2015. <i>Guidance Statement: Regulatory Principles</i> . Department of Environment Regulation, Perth.	N/A	accessed at www.dwer.wa.gov.au
7	DER, October 2015. <i>Guidance Statement: Setting Conditions</i> . Department of Environment Regulation, Perth.		
8	DWER, June 2019. <i>Guideline: Industry Regulation Guide to Licensing</i> . Department of Water and Environmental Regulation, Perth.		
9	DER, February 2017. <i>Guidance Statement: Risk Assessments</i> . Department of Environment Regulation, Perth.		
10	DWER, June 2019. <i>Guideline: Decision Making</i> . Department of Water and Environmental Regulation, Perth.		