



Licence Number L8683/2012/2

Licence Holder Cockburn Cement Limited

ACN 008 673 470

File Number: 2012/006454

Premises
Cockburn Cement Kwinana Plant
Leath Road, Kwinana Beach WA 6167

Legal description –
Lot 45 on Diagram 91600 (Certificate of Title Volume
2091 Folio 497 and Part of Lot 12 on Plan 39572
(Certificate of Title Volume 2230 Folio 45)

Date of Amendment 8 May 2019

Amendment

The Chief Executive Officer (CEO) of the Department of Water and Environmental Regulation (DWER) has amended the above Licence 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.

Manager, Process Industries

Regulatory Services

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

Amendment Notice

This amendment is made pursuant to section 59 of the *Environmental Protection Act 1986* (EP Act) to amend the Licence 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 of amendment relates only to an application for licence amendment received by DWER on 11 January 2019 (the Application).

The guidance statements that have informed the decision made on this amendment are listed in Appendix 2.

Amendment description

Cockburn Cement Limited (CCL) holder licence L8683/2012/2 (Existing Licence) for the Cockburn Cement Kwinana Plant (the Plant) on Leath Road, Kwinana Beach. The Plant is for the production of cement products by co-milling combinations of clinker, gypsum, limestone and slag where lime and cement products are then packaged or dispatched in bulk.

The Application advises the packing plant (Bagger 10) is being replaced to modernise and ensure sufficient capacity and reliability to current and projected commercial demand. There are four current air emission points associated with the existing Bagger 10 being removed and replaced with one emission point to air from the new Bagger 14 dust collector. CCL has requested the changes to Schedule 3 in the Existing Licence (tabulated list of all emission point sources to air from the Plant) as summarised in Table 1 below.

Table 1: Summary of proposed changes to emission point sources to air

Bagger 10 existing air emission points proposed to be removed from Schedule 3 in the Existing Licence	Bagger 14 new air emission point proposed to be added to Schedule 3 in the Existing Licence
26.752 – DUST COLL DC33 P10	26.713 – Dust Collector Packer 14
26.719 – DUST COLL DC43 P10	
26.700 – DUST COLL SURGE BIN P10	
26.713 – DUST COLL DC39 P10	

In response to a DWER request, CCL subsequently provided a revised version of Schedule 3 in the Existing Licence.

Consultation

The Delegated Officer referred the Application to the City Kwinana who responded on 14 February 2019 providing a copy of the planning approval (DA9109 issued on 16 January 2018) for the packing system upgrade.

Amendment history

The Existing Licence was granted on 25 September 2015 and was amended to extend its expiry date on 29 April 2016 as part of broader amendments to expiry dates on most licences at that time. The current licence expiry date is 26 September 2032.

Decision

The Delegated Officer referred to the report *Kwinana Air Emissions Risk Assessment (IR1)* (KRA) that was submitted by CCL to the Department in April 2016 to address an improvement requirement on the Existing Licence (IR1 in Table 3.1.1). In the KRA, CCL described a risk assessment methodology and then risk assessed all point source emissions to air across the Plant, including the four points to air for Bagger 10.

The four Bagger 10 emission points requested for removal from the Existing Licence were categorised by CCL as 'low risk' level on a scale of low, medium and high. CCL categorised three of the emission points as having a negligible environmental consequence and the remaining one as a minor environmental consequence.

Bagger 14 is a replacement of Bagger 10, and on the basis of information in the KRA on Bagger 10 air emissions the Delegated Officer expects air emissions from Bagger 14 are also likely to be low risk. The Delegated Officer does not consider this alteration requires detailed risk assessment as the fundamental risk of emissions to air from packaging operations and the broader Plant are not expected to change and the risk of the premises will not increase. The risk of emissions from the Plant are adequately controlled through the Existing Licence.

The Delegated Officer has therefore granted an amendment to the Existing Licence as specified in the 'Amendment' section of this notice and is limited to the inclusion of a revised Schedule 3 list of air emissions sources as shown in Appendix 1.

Licence Holder's comments

The Delegated Officer referred the draft Amendment Notice to CCL who advised in correspondence dated 3 May 2019 that it agreed with the changes and waived the remainder of the consultation period.

Amendment

1. The Licence is amended by the replacement of *Schedule 3: Point sources of emissions to air*, including its associated table, with the *Schedule 3: Point sources of emissions to air*, including its associated table, shown in Appendix 1 of this Amendment Notice.

Appendix 1: Revised Schedule 3 in the Existing Licence

Schedule 3: Point source of emissions to air

Plant No.	Plant location
Raw Material Area	
25.329	Old SLAG DRYING SYSTEM Filter
25.345	DRY SLAG SILO (Top)
25.374	CLINKER SHED North end Tunnel
25.386	CLINKER SHED -inside Tunnel
25.401	TRUCK RECEIVAL(Top of Hill)
25.418	INFEED CONVEYOR TRANSFER C4-C5
25.425	INFEED CONVEYOR TRANSFER C2-C4
Packing Plant Area	
25.471	Slag Blender #2
25-774	BLENDING PLANT (WEIGH BIN)
25-784	DC24 BB2 AIRSLIDES-SPOUT/WEIGH FLASK
25.413	DRY MIX PLANT SILO 37 - #1
25.415	DRY MIX PLANT SILO 36 -
26.419	DRY MIX DEBAGGER
26.420	DRY MIX FONDU HOPPER
26.423	DRY MIX SODA ASH HOPPER
26.426	DRY MIX top Soda Hopper
26.429	MAIN DRY MIX
26.450	DRY MIX NEW FILTER (Outside West Wall)
26.713	BAGGER 14 DUST COLLECTOR
26.762	BULK BAGGER 2 HOPPER
26.767	BULK BAGGER 1 AIR SLIDE
26.773	BULK BAGGER 1
26.800	SURGE BIN BAGGER 6
26.815	BAGGER 6
26.817	BAG CLEANER BAGGER 6
26.850	SURGE BIN BAGGER 8
26.862	BAGGER 8
26.864	BAGGER 6 AND BAGGER 8 CONVEYORS
Cement Mill 1 Area	
25.108	CEMENT MILL 1 - MILL VENT
25.119	CLASSIFIER CM1
25.147	OFF SPEC SILO 1
25.338	CLINKER SILO #22 CM1
Cement Mill 2 Area	
25.204	CEMENT MILL 2 - MILL VENT
25.215	CLASSIFIER CM2
25.243	OFF SPEC SILO 2
25.342	CLINKER SILO CM2

Plant No.	Plant location
Hydration Area and Silos Area	
25.587	GP SILO 1
25.588	OFF WHITE SILO 3
25.589	SILO 5 (MULTICELL)
25.597	G/BLEND SILO 9
26.775	FLEET SILO 11 (LOW HEAT SILO 1)
25-804	200T FEED SILO (HYDRATION PLANT) TOP SILO 30
25-811	HYDRATOR -TOP LEVEL - EAST
25-816	HYDRATION MILL VENT/ DISCHARGE
25.916	CEMENT SILO 33B
25.981	LIME SILO 6
25.986	QUICK LIME SILO (#31)
Ventilex Dryer Area	
23.201	23.200 Bucket Elevator/Top Chutes Filter
23.261	23.260 500T Silo Filter
23.251	23.250 300T Silo Filter
23.231	23.230 80T Agg Surge Silo Filter
23.241	23.240 80T Sand Surge Silo Filter
23.164	23.163 (CV03) Inlet Chute Filter
23.271	23.270 (CV04) Inlet Chute Filter
23.211	23.210 (CV05) Inlet Chute Filter
23.212	23.210 (CV05) Outlet Chute Filter
23.160	23.100 Ventilex Dryer / Cooler

Appendix 2: Key documents

	Document title	In text ref	Availability
1	CCL, January 2019. Application form: Amendment and supporting documentation. Cockburn Cement Limited, 11 January 2019	the Application	DWER records (A1755214)
2	CCL, May 2019. Waiver of consultation period for the issuing of the Amendment Notice of EP Licence L8683/2012/2. Cockburn Cement Limited, 6 May 2019	-	DWER records (A1785880)
2	CCL, April 2018. Email received by DWER on 15 April with attached excel spreadsheet of revised point sources emissions to air. Cockburn Cement Limited, 15 April 2019.	-	DWER records (A1782063)
3	City of Kwinana, February 2019. Email response to DWER direct interest stakeholder letter. 14 February 2019	-	DWER records (A1765481)
4	CCL, April 2016. <i>Kwinana Air Emissions Risk Assessment (IR1)</i> . Cockburn Cement Limited, 1 April 2016	KRA	DWER records (A1090170)
5	City of Kwinana, March 2018. Decision of Application for Planning Approval	DA9109	DWER records (A1765481)
6	DER, July 2015. <i>Guidance Statement: Regulatory Principles</i> . Department of Environment Regulation, Perth	N/A	www.dwer.wa.gov.au
	DER, August 2016. <i>Guidance Statement: Licence Duration</i> . Department of Environment Regulation, Perth.		
6	DER, February 2017. <i>Guidance Statement: Risk Assessments</i> . Department of Environment Regulation, Perth.		
7	DER, February 2017. <i>Guidance Statement: Decision Making</i> . Department of Environment Regulation, Perth.		