

Amendment Report

Application for Licence Amendment

Part V Division 3 of the Environmental Protection Act 1986

Licence Number	L7308/1998/13
Licence Holder	A. Richards Pty Ltd
ACN	008 734 852
File Number	2010/008321-3
Premises	Richgro Garden Products
	203 Acourt Road
	JANDAKOT WA 6164
	Legal description –
	Part of Lot 186 on Deposited Plan 109038
	As defined by the coordinates in Schedule 2 of the Revised Licence
Date of Report	20 October 2022
Decision	Revised licence granted

Abbie Crawford A/MANAGER, WASTE INDUSTRIES REGULATORY SERVICES

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

Table of Contents

1.	Decision summary1				
2.	Scope	e of assessment1			
	2.1	Regulatory framework1			
	2.2	Amendment summary1			
3.	Risk a	assessment2			
	3.1	Source-pathways and receptors2			
		3.1.1 Emissions and controls2			
		3.1.2 Receptors			
	3.2	Risk ratings4			
4.	Consu	ultation7			
5.	Concl	usion7			
	5.1	Summary of amendments7			
Refe	rences	۶11			
		1: Summary of Licence Holder's comments on risk assessment and itions			
Арре	endix 2	2: Application validation summary15			
Table	e 1: Pro	posed throughput capacity changes1			

Table 1: Proposed throughput capacity changes	.1
Table 2: Licence Holder controls	.2
Table 3: Sensitive human and environmental receptors and distance from prescribed activity	.3
Table 4. Risk assessment of potential emissions and discharges from the Premises during operation	.5
Table 6: Consultation	.7
Table 7: Summary of licence amendments	.7
Table 8: Consolidation of licence conditions in this amendment	.8

1. Decision summary

Licence L7303/1998/13 is held by A. Richards Pty Ltd (Licence Holder) for the Richgro Garden Products Jandakot site (the Premises), located at 203 Acourt Road, Jandakot.

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 operation of the Premises. As a result of this assessment, Revised Licence L7303/1998/13 has been granted.

The Revised Licence issued as a result of this amendment consolidates and supersedes the existing Licence previously granted in relation to the Premises. The Revised Licence has been granted in a new format with existing conditions being transferred and updated based on this amendment.

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 Amendment summary

On 16 June 2022, the Licence Holder submitted an application to the department to amend Licence L7308/1998/13 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). Due to a decline in supply of sawdust and pine bark as a result of high demand in the building trade, the amendment being sought is to include untreated timber products as a solid waste feedstock. The licence amendment will include updating the licence format and appearance.

This amendment is limited only to changes to Category 61A and 67A activities from the Existing Licence. No changes to the aspects of the existing Licence relating to Category 61 have been requested by the Licence Holder.

Table 1 below outlines the proposed changes to the existing Licence.

Category	Current throughput capacity	Proposed throughput capacity	Description of proposed amendment
61A	75,000 tpa	85,000 tpa	Inclusion of 10,000 tpa of untreated timber products as a solid waste feedstock.
67A	100,000 tpa	100,000 tpa	Processed woodchips will be mixed into blended or composted mulch products.

 Table 1: Proposed throughput capacity changes

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 associated actual or likely pathway during premises operation which have been considered in this Amendment Report are detailed in Table 2 below.

Table 2 also details the proposed control measures the Licence Holder has proposed to assist in controlling these emissions, where necessary.

Emission	Sources	Potential pathways	Proposed controls
Dust	Crushing, grinding and screening of untreated timber products.	Air/windborne pathway	No proposed controls.
Noise	Crushing, grinding and screening of untreated timber products.	Air/windborne pathway	No proposed controls.
Fire/smoke	Storage of processing of untreated timber products	Air/windborne pathway	No proposed controls.
Leachate	Storage and blending of material.	Seepage to soils and groundwater	Stored on asphalt hardstand.

Table 2: Licence Holder controls

3.1.2 Receptors

In accordance with the *Guideline: Risk assessments* (DWER 2020), the Delegated Officer has excluded employees, visitors and contractors of the Licence 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 3 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 3: Sensitive human and environmental receptors and distance from prescribedactivity

Human receptors	Distance from prescribed activity
Residential Area	Approximately 320 m north west of prescribed activity (green waste processing area)
Residential Area (including pet kennels)	Approximately 240 m north east of prescribed activity (green waste processing area)
Residential Area	Approximately 900 m south-east of prescribed activity (green waste processing area)
Residential Area	Approximately 850 m south-west of prescribed activity (green waste processing area)
Jandakot Airport	Approximately 740 m south-west of prescribed activity (green waste processing area)
	Majority of airport operational area is located 1.9 km north-west of prescribed activity (green waste processing area)
Environmental receptors	Distance from prescribed activity
Jandakot Regional Park (Bushforever site 389, DBCA managed regional park, Perth Regional Ecological Linkage)	Immediately adjacent on the eastern and southern boundaries on the prescribed premise.
Threatened and Priority Ecological Communities – Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region (Priority 3)	Immediately adjacent on the eastern and southern boundaries on the prescribed premise.
Conservation Category Wetland (within Jandakot Regional Park)	Adjacent to the eastern boundary of the premises
Geomorphic wetland – Lukin Swamp Reserve	Within the premises boundary and adjacent to the western boundary of the premises
Carnaby's black cockatoo habitat	Immediately adjacent on the eastern and southern boundaries on the prescribed premise.
Metropolitan Water Supply, Sewage and Drainage Act 1909	The premises is located within a Priority 2 PDWSA and immediately adjacent to a Priority 1 PDWSA
Public Drinking Water Source Area (PDWSA)	
	1

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 Licence 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 Licence Holder's proposed controls to be critical to maintaining an acceptable level of risk, these will be incorporated into the licence as regulatory controls.

Additional regulatory controls may be imposed where the Licence Holder's controls are not deemed sufficient. Where this is the case the need for additional controls will be documented and justified in Table 4.

The Revised Licence L7308/1998/13 that accompanies this Amendment Report authorises emissions associated with the operation of the Premises.

The conditions in the Revised Licence have been determined in accordance with Guidance Statement: Setting Conditions (DER 2015).

Risk Event				Risk rating ¹	Licence		Justification for	
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Licence Holder's controls	C = consequence L = likelihood	sufficient?	Conditions ² of licence	additional regulatory controls
Operation								
Acceptance, handling, processing and storage of untreated timber feedstocks	Noise	Air/windborne pathway causing impacts to amenity	Residents 320 m north- west and 240 m north- east of prescribed activities	Refer to Section 3.1	C = Slight L = Possible Low Risk	Y	Condition 4, 5, 28 & 30	The Delegated Officer considers the acceptance and processing of untreated timber feedstocks will not increase noise levels beyond what is already generated from current operations. Noise impacts from the premises can be managed under the <i>Environmental</i> <i>Protection (Noise)</i> <i>Regulations 1997.</i>
	Odour	Air/windborne pathway causing impacts to amenity	Residents 320 m north- west, 240 m north-east, 900 m south-east and 850 m south-west of prescribed activities	Refer to Section 3.1	C = Slight L = Unlikely Low Risk	Y	Condition 1, 4, 5, 8, 28 & 30	The Delegated Officer considers the acceptance and processing of untreated timber feedstocks will not increase odour beyond what is already generated at the site.
	Leachate	Seepage through soil and to	Groundwater 3 m bgl	Refer to Section 3.1	C = Moderate L = Unlikely	Y	Condition 1, 8, 17, 18, 19 & 30	The Delegated Officer considers the acceptance and

Table 4. Risk assessment of potential emissions and discharges from the Premises during operation

Licence: L7308/1998/13

Risk Event	Risk Event				Risk rating ¹	Licence		Justification for
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Licence Holder's controls	C = consequence L = likelihood	Holder's controls sufficient?	Conditions ² of licence	additional regulatory controls
		groundwater causing contamination and impacting water quality			Medium Risk			processing of untreated timber feedstocks will not change the risk profile beyond that of current site process. Existing regulatory controls within the licence are sufficient to manage the risk of leachate.
	Fire / smoke	Air/windborne pathway causing impacts to health and amenity	Residents 320 m north- west and 240 m north- east of prescribed activities Jandakot Regional Park immediately adjacent to the premises	Refer to Section 3.1	C = Major L = Unlikely Medium Risk	Y	Condition 1, 8, 28 & 30	The Delegated Officer considers the acceptance and processing of untreated timber feedstocks will not change the risk profile beyond that of current site process. Existing regulatory controls within the licence are sufficient to manage the risk of fire.

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 underline text depicts additional regulatory controls imposed by department.

4. Consultation

Table 5 provides a summary of the consultation undertaken by the department.

Table 5: Consultation

Consultation method	Comments received	Department response
Local Government Authority advised of proposal 21/07/2022	No response	N/A
Licence Holder was provided with draft amendment on 15/09/2022	The applicant provided an email response with comments on 12 October 2022. Comments are summarised in Appendix 1: Summary of Licence Holder's comments on risk assessment and draft conditions.	See Appendix 1: Summary of Licence Holder's comments on risk assessment and draft conditions

5. Conclusion

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

A number of changes, outside of the scope of this amendment application were made to the Revised Licence. Two conditions were removed which required pond seepage rate and liner integrity testing to be conducted within a given timeframe. The timeframes for these conditions have passed without the specified actions being fully completed. The department intends to initiate a full review of the licence and these matters will be investigated as part of the review. The department will initiate the review in due course and the Licence Holder will be consulted during the process.

The review will be conducted in accordance with the Guideline: Industry Regulation Guide to Licensing and Procedure: Prescribed Premises Works Approvals and Licences which can be accessed at the departments website <u>https://dwer.wa.gov.au/</u>.

5.1 Summary of amendments

Table 6 provides a summary of the proposed amendments and will act as record of implemented changes. All proposed changes have been incorporated into the Revised Licence as part of the amendment process.

Condition no.	Proposed amendments
1	Inclusion of untreated wooden timber products as an additional authorised feedstock
3 Table 2	Updated figure references in Table 2: Infrastructure and equipment control table. Updated groundwater monitoring bores to include bores which have been constructed since the last amendment.
8 Table 3	Inclusion of storage and processing requirements for untreated timber products

Table 6: Summary of licence amendments

17 Table 4	Corrected typographical error ("in-field measurement" to "spot sample" for some analytes).
26	Updated product assessment requirements in line with Richgro North Bannister licence requirements (L9316/2022/1)
30	Amalgamated all reporting conditions into the current Environmental Report standard condition.
N/A (conditions 33 and 34 of old licence)	Pond seepage rate and liner integrity test were completed for two of the four ponds. The specified action was not completed for the other two ponds within the specified timeframe. The condition has been removed from the revised licence and will be investigated within a full department initiated licence review.
N/A (condition 35 of old licence)	Hydraulic conductivity testing has been completed as specified in the condition and thus has been removed from the Revised Licence.
N/A (condition 36 of old licence)	Groundwater monitoring bores have been constructed as specified in the condition and thus has been removed from the Revised Licence.
N/A (conditions 37 & 38 of old licence)	Independent assessment and commissioning of the composting shed and composting shed biofilters has been completed as specified in the condition and thus has been removed from the Revised Licence.
Figures 1, 2 and 3	Updated to current satellite imagery.

Table 7: Consolidation of licence conditions in this amendment

Existing condition	Condition summary	Revised licence condition	Conversion notes
N/A	Prescribed Premises Category table	N/A	Revised to current licensing format
All	N/A	N/A	Numbering updated
1 Table 1	Environmental compliance	N/A	Redundant condition. Revised to current licensing format
2	Feedstock acceptance	1	Revised to current licensing format
4 Table 2	Monitoring and recording of inputs and outputs	25	Revised to current licensing format
5	Reporting on inputs and outputs monitoring data	30	Amalgamated reporting conditions into current Environmental Report condition format
6 Table 3	Infrastructure and equipment controls table	3	Revised to current licensing format. Dosing tank and final tank location error corrected.
7	Grinder location	4	Updated wording and references to match updated figure
10	Dust suppression water treatment	7	Updated wording and references to match updated figure
11	Storage and processing requirements	8	Revised to current licensing format

Existing condition	Condition summary	Revised licence condition	Conversion notes
Table 4			
16	Management of indoor compost windrows	13	Redundant condition (f) removed as biofilter now operational
19 Table 5	Product assessment	26	Condition revised to align with other Richgro premises
21 Table 6	Groundwater monitoring	17	Revised to current licensing format. Removed redundant quarterly monitoring (action completed)
22	Reporting on groundwater monitoring requirements	30	Amalgamated reporting conditions into current Environmental Report condition format
25 Table 7	Pond monitoring	20	Revised to current licensing format
28	Reporting on pond monitoring	30	Amalgamated reporting conditions into current Environmental Report condition format
30 Table 8	Air emissions monitoring	24	Revised to current licensing format
31	Flare servicing records and reporting	30	Amalgamated reporting conditions into current Environmental Report condition format
32	Reporting on air emissions monitoring	30	Amalgamated reporting conditions into current Environmental Report condition format
39 Table 13	Authorised emissions table	N/A	Redundant condition removed from licence.
41	Auditable records	32 & 33	Updated wording to current licensing format.
43	Complaints	28	Updated wording to current licensing format
44	Annual Audit Compliance Report	29	Updated wording to current licensing format
N/A	Definitions	N/A	Revised to current licensing format
N/A	Interpretation	N/A	Revised to current licensing format. Moved to front of licence.
Schedule 1: Maps	Premises Boundary	Schedule 1: Maps Premises boundary	Moved to Schedule 1. Updated to GDA2020
Schedule 1: Maps	Premises Map	Schedule 1: Maps Figure 1	Updated map to new imagery. Added figure caption.

Existing condition	Condition summary	Revised licence condition	Conversion notes
Schedule 1: Maps	Premises Layout	Schedule 1: Maps Figure 2	Updated map to new imagery. Updated labelling. Added figure caption.
Schedule 1: Maps	Key infrastructure	Schedule 1: Maps Figure 3	Updated map to new imagery. Updated labelling. Added figure caption.
Schedule 1: Maps	Key infrastructure	N/A	Redundant map removed.
Schedule 1: Maps	Grinder location	N/A	Redundant map removed.
Schedule 1: Maps	Groundwater monitoring bores location	N/A	Redundant map removed.

References

- 1. Department of Environment Regulation (DER) 2015, *Guidance Statement: Setting Conditions*, Perth, Western Australia.
- 2. Department of Water and Environmental Regulation (DWER) 2019, *Guideline: Industry Regulation Guide to Licensing*, Perth, Western Australia.
- 3. Department of Water and Environmental Regulation (DWER) 2019, *Procedure: Prescribed premises works approvals and licenses*, Perth, Western Australia.
- 4. Department of Water and Environmental Regulation (DWER) 2020, *Guideline: Environmental Siting*, Perth, Western Australia.
- 5. DWER 2020, Guideline: Risk Assessments, Perth, Western Australia.

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

Condition	Summary of Licence Holder's comment	Department's response
Licence History	Summary of changes - Richgro request the summary of changes for this edition of licence to reflect the revision to the new Department format and deletion of obsolete conditions.	Amended
1, Table 1	 Typo - Liquid Waste - Specification or quantity limit – should read combined limited limit of 25,000 tonnes / annual period Typo – Waste from grease traps limited to mild milk solids 	Amended
3, Table 2	 Dosing Tank – Operational requirements This tank is a fully enclosed tank and is located outside the receival hall. Thus, it is not connected to the odour extraction system within Receival Hall. This was an error on the previous licence. The tank is connected to the AD tanks. 	Amended
3, Table 2	Final Tank – Operational requirements This tank is a fully enclosed tank and is located outside the receival hall. Thus, it is not connected to the odour extraction system within Receival Hall. This was an error on the previous licence. The tank is connected to the AD tanks.	Amended
3, Table 2	Typo - 2 x Generators – missing space between 1.2MW and the word capacity.	Amended
3, Table 2	Bagging Station - Infrastructure Location – should reference Premises Layout in Schedule 1.	Amended
8, Table 3	Typo - Wastewater – Storage and Processing requirements Waste may	Amended

Licence: L7308/1998/13

Condition	Summary of Licence Ho	lder's commer	it	Department's response	
	only be to stored and pre-	treated.			
13 (f)	Indoor Compost Windro	ws			Redundant condition removed.
	The blending of the green no longer part of the proce				
	Note: the Biofilter serving composting is being under		shed is operat	ional when	
17, Table 4	Typo - Total Dissolved So	olids (TSS) (TDS	6)		Amended
26	Typo – reference source e	error			Amended
26, Table 8	Richgro request the additi point 2 within this Licence Where the processes and licence holder must provid and controls, to demonstra The products made at Ric Standards.	condition: product parame le evidence, wit ate how it meets	eters deviate fr h reference to s suitability for	Amended to include provisions for products that do not meet Australian Standards.	
26, Table 8	Typo – Monitoring point stockpiles.	tockpiles should	l read finished	Amended	
26, Table 8	Frequency and Method f AS4454 for the finished pr stockpiles also include cor Product Potting Mix, Compost, Mulch and Blended Soils.	oduct stockpile		Amended to reflect testing of finished product stockpiles	
27		Typo – reference source error. The NATA testing is for condition 17 (Ground water), 20 (Pond water) and 24 (Air emissions).			Amended
30, Table 9		Typo - Second condition on Table - A summary of the dates and durations of any flare activity servicing at the AD Plant that has occurred during the annual period.			Amended

Licence: L7308/1998/13

Condition	Summary of Licence Holder's comment	Department's response
32 (c)	Typo - the condition 17 is referenced twice in this condition.	Amended
	Should read '17, 20, 24 and 25 of this licence; and	

Appendix 2: Application validation summary

SECTION 1: APPLICATION SUMMARY (as updated from validation checklist)							
Application type							
Works approval							
		Relevant works approval number:		None			
		Has the works approval been complied with?		Yes 🗆 No 🗆			
Licence		Has time limited operations under the works approval demonstrated acceptable operations?		Yes 🗆	No 🗆 N/A 🗆		
		Environmental Compliance Report / Critical Containment Infrastructure Report submitted?		Yes □	No 🗆		
		Date Report receive	Date Report received:				
Renewal		Current licence number:					
Amendment to works approval		Current works approval number:					
	\boxtimes	Current licence number:	L7308/1998/13				
Amendment to licence		Relevant works approval number:		N/A			
Registration		Current works approval number:		None			
Date application received		6/6/2022					
Applicant and Premises details							
Applicant name/s (full legal name/s)		A. Richards Pty Ltd					
Premises name		Richgro Garden Products					
Premises location		203 Acourt Road Jandakot 6164					
Local Government Authority		City of Cockburn					
Application documents							
HPCM file reference number:	2019/008321-1~2						
Key application documents (additional to application form):		 1A - Proof of occupier status 3B – Proposed Activities 6B – Waste Acceptance 					
Scope of application/assessment							
	Licence amendment						
Summary of proposed activities or changes to existing operations.	Addition of a solid waste feedstock to licence (untreated timber products – pallets, packaging, furniture manufacturing wood waste)						

Category number/s (activities that cause the premises to become prescribed premises)

Table 1: Prescribed premises categories

description		nanges to the or design capacity ts only)		
	Proposed – tpa to 85,00	increase from 75,00 0 tpa	0	
egislative context and other approva	ls			
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?		No 🖂	Referral decision No: Managed under Part V □ Assessed under Part IV □	
Does the applicant hold any existing Part IV Ministerial Statements relevant to the application?		No 🖂	Ministerial statement No: EPA Report No:	
Has the proposal been referred and/or assessed under the EPBC Act?		No 🖂	Reference No:	
Has the applicant demonstrated occupancy (proof of occupier status)?		No □	Certificate of title ⊠ General lease □ Expiry: Mining lease / tenement □ Expiry: Other evidence □ Expiry:	
Has the applicant obtained all relevant planning approvals?		No □ N/A ⊠	Approval: Expiry date: If N/A explain why? Amendment within bounds of current planning approval.	
Has the applicant applied for, or have an existing EP Act clearing permit in relation to this proposal?		No 🖂	CPS No: N/A No clearing is proposed.	
Has the applicant applied for, or have an existing CAWS Act clearing licence in relation to this proposal?		No 🖂	Application reference No: N/A Licence/permit No: N/A No clearing is proposed.	

Has the applicant applied for, or have an existing RIWI Act licence or permit in relation to this proposal?	Yes 🛛 No 🗆	Application reference No: N/A Licence/permit No: GWL168463(2)
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the EP Act)?	Yes □ No ⊠	Name: Jandakot Groundwater Area Type: Proclaimed Groundwater Area Has Regulatory Services (Water) been consulted? Yes □ No □ N/A ⊠ Regional office: N/A
Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?	Yes ⊠ No ⊠	Name:JandakotUndergroundWater Pollution Control AreaPriority:P2Are the proposed activities/ landusecompatible with the PDWSA (refer toWQPN 25)?YesNoNA
Is the Premises subject to any other Acts or subsidiary regulations (e.g. Dangerous Goods Safety Act 2004, Environmental Protection (Controlled Waste) Regulations 2004, State Agreement Act xxxx)	Yes 🗆 No 🖂	
Is the Premises within an Environmental Protection Policy (EPP) Area?	Yes □ No ⊠	
Is the Premises subject to any EPP requirements?	Yes □ No ⊠	
Is the Premises a known or suspected contaminated site under the <i>Contaminated Sites Act 2003</i> ?	Yes □ No ⊠	Classification: N/A Date of classification: N/A