



Application for Licence

Division 3, Part V *Environmental Protection Act 1986*

Licence Number	L9164/2018/1
Applicant	Cleanaway Pty Ltd
ACN	000 164 938
File Number	DER2018/001361
Premises	Boyanup-Picton Rd Transfer Station Lot 171 and Lot 20 Boyanup-Picton Rd PICTON WA 6230 Legal description – Lot 171 on Plan 402344 and Lot 20 on Plan 73824 PICTON WA 6230
Date of Report	21 March 2019
Status of Report	Final

1. Definitions

In this Decision Report, the terms in the Table below have the meanings defined.

Table 1: Definitions

Term	Definition
ACN	Australian Company Number
Category/ Categories/ Cat.	Categories of Prescribed Premises as set out in Schedule 1 of the EP Regulations
Decision Report	refers to this document.
Delegated Officer	an officer under section 20 of the EP Act.
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V, Division 3 of the EP Act.
DWER	Department of Water and Environmental Regulation As of 1 July 2017, the Department of Environment Regulation (DER), the Office of the Environmental Protection Authority (OEPA) and the Department of Water (DoW) amalgamated to form the Department of Water and Environmental Regulation (DWER). DWER was established under section 35 of the <i>Public Sector Management Act 1994</i> and is responsible for the administration of the <i>Environmental Protection Act 1986</i> along with other legislation.
Emission	has the same meaning given to that term under the EP Act.
EP Act	<i>Environmental Protection Act 1986 (WA)</i>
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i>
Licence Holder	means Cleanaway Pty Ltd
Noise Regulations	<i>Environmental Protection (Noise) Regulations 1997 (WA)</i>
Occupier	has the same meaning given to that term under the EP Act.
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
Risk Event	As described in <i>Guidance Statement: Risk Assessment</i>

2. Overview of premises

The Boyanup-Picton Rd Transfer Station (Premises) is an existing materials recovery facility (MRF) situated in the Picton Light Industrial Area within the City of Bunbury. The Applicant has operated the site since October 2016, after acquiring the business from Warren Blackwood Waste.

Category 62, as defined in Table 2 below, relates to premises on which solid waste is stored, or sorted, pending final disposal or re-use. Historically this has been applied inconsistently with limited consideration of material recycling facilities (MRF's).

In assessing and determining new applications for works approvals and licences DWER considers MRF's where materials such as paper, cardboard, plastics, glass, aluminium and steel are sorted into different waste types or streams pending recycling, are activities which are consistent with the description of Category 62 Solid waste depot;

The Applicant has applied to licence its existing operations, which is predominantly the recycling of cardboard and waste paper from municipal collections within the City of Bunbury, as well as commercial and industrial clients transported by Cleanaway fleet and commercial customers. Other recyclables are also processed in smaller quantities, including plastics, glass, aluminum and steel.

Classification of Premises

Table 2: Prescribed premises category

Classification of Premises	Description	Approved Premises production or design capacity or throughput
Category 62	Solid waste depot: premises on which waste is stored, or sorted, pending final disposal or re-use	10,000 tonnes per annual period

Description of operations

Two main activities are conducted on the Premises, being the receipt, baling and transfer of cardboard/paper, and the receipt and transfer of co-mingled recyclables. Infrastructure relating to these activities is outlined below in Table 3.

An office and workshop area is present on-site. The rest of the site consists of laydown areas for light-vehicle and truck parking as well as empty container storage.

Figure 1 below provides an overview of the Premises and depicts related infrastructure.

Storage of empty commercial/skip bins

Empty commercial/skip bins are stored to the east of the premises in a laydown area. These bins do not contain waste materials. No waste is sorted or stored outside.

Cardboard/paper receipt, baling and transfer

Cardboard and paper from commercial clients are brought to site in loose form and stockpiled within the receipt area of the enclosed steel-fabricated baler and transfer shed which is approx. 40 X 20m. The shed is situated on a concrete hardstand. Non-conforming wastes are removed by hand, prior to the material being loaded into a baler, with baled product temporarily stored in a separate shed before being transferred to Cleanaway's Recovery Facility in Welshpool.

Co-mingled recyclables receipt and transfer

Co-mingled recyclables from kerb-side waste collections within the City of Bunbury are brought to site and stockpiled within a separate receipt area. No sorting of material takes place – materials are directly loaded into a hopper and transferred to the Welshpool MRF for further

processing.

Non-conforming wastes are removed from the stream by hand and placed in hook-lift bins, which are taken to landfill 2-3 times per week. There is no long term storage of materials at the premises and no emission discharge points at the site.

A maximum of 10,000 tonnes of recyclable materials will be transferred in an annual period.

The site is always attended during operations which nominally occurs from 6am to 3pm



Monday to Friday.

Fire-fighting equipment in place includes 2 fire hoses and 3 fire extinguishers. In addition, the uses/adheres to a Site Emergency Management Plan which includes strategies to be adopted **in the event of a fire.**

Figure 1: Areal overview of Premises and related infrastructure and laydown areas.

Table 3: Boyanup-Picton Rd Transfer Station infrastructure

Infrastructure	
Prescribed Activity Category 62	
Area 1: Cardboard/paper receipt, baling and transfer	
1	1 x horizontal baler
2	Baled product storage area

Infrastructure	
Prescribed Activity Category 62	
Area 2: Co-mingled recyclables receival and transfer	
1	1 x truck loading hopper and conveyor

Emissions and discharges

The applicant has advised that only kerbside collected recyclable waste is received at the Premises. Waste reports directly to the baler and transfer shed which contains a sealed concrete hardstand. Cardboard and paper are brought to site and stockpiled within the receival area of the shed before being loaded into a baler for transportation. Co-mingled recyclables are also temporarily stockpiled before being directly loaded into a hopper for transportation. There is no long term storage of materials at the Premises and no emission discharge points

Refer to Premises maps in Appendix 1

Table 4: Potential Emissions

Ref	Source	Emission	Controls
N/A	Baler and Transfer Station Shed	Fugitive odour	Restrictions on waste accepted onto site – only recyclable materials from kerb-side collections to be accepted. Situated with an enclosed shed.
N/A	Waste materials	Windblown waste	All waste handling occurs within the enclosed shed. Inspection/housekeeping processes for windblown waste.
N/A	Mechanical equipment used on-site: wheeled loader, forklift, baler and conveyor	Noise	All equipment is operated inside the enclosed shed and between the hours of 8am-5pm.

2.1 Exclusions to the Premises

The applicant has advised that there is a bulk fuel tank onsite; fuel storage has not been considered in the licence application assessment. Potential spills are managed via a 3mTM, poly-lined pit filled with gravel installed at the refuelling area. The sealed pit has been constructed with an outlet to enable a vacuum tanker to remove any contaminants to a suitable disposal facility. Any emissions and discharges from this infrastructure can be managed under the general provisions of the EP Act and by the *Environmental Protection (Unauthorised Discharge Regulations) 2004*.

3. Environmental siting

The Premises is located within the Picton industrial area, approximately 6km south-east of the Bunbury CBD, in the City of Bunbury. The site is zoned as 'industrial' under the Greater Bunbury Region Scheme and as 'general industry' under the City of Bunbury Local Planning Scheme 8.

The site is predominantly surrounded by manufacturing industry. DWER records indicate a number of prescribed premises are also located within the Picton industrial area, including 3 within 500m of the site.

The Applicant advises that it has consulted with immediate neighbouring premises, and that no objections were raised.

Refer to Premises maps in Appendix 1

Table 5: Residential and sensitive receptors and distance from activity boundary

Residential and sensitive receivers	Distance from Prescribed Premises
Commercial Premises	Adjacent to the west
Residential premises	400m to the east
Residential premises	1,640m to the north west

Table 6: Environmental receptors and distance from activity boundary

Environmental receptors	Distance from Prescribed Premises
Ferguson River	Adjacent to the east (~50m) and south (~80m); drains into the Preston River
Preston River	630m to the south-west
East Picton Main Drain (Surface water lines - GA 2015)	82m to the north-east
Green Growth Wetlands Miscellaneous Reserve	590m to the south west (within Crown Reserve 40552)
Underlying groundwater	Depth to groundwater unknown

4. Legislative context and other approvals

Table 7; Relevant approvals

Legislation	Number	Approval
<i>Planning and Development Act 2005</i>	N/A	<p>Evidence of planning consent was not provided with the Application.</p> <p>The Applicant has provided written confirmation from the City of Bunbury which outlines the City's support for the existing operations (pers. comm. Andrew Brien, Chief Executive Officer, City of Bunbury, 13 September 2018 – DWER ref. A1719840).</p> <p>It is the responsibility of the Licence Holder to ensure that any action or activity referred to in the Licence is permitted by, and is carried out in compliance with, other statutory requirements.</p>

5. Risk assessment

Table 8: Risk assessment - operationsRisk Event					Consequence rating	Likelihood rating	Risk	Reasoning	Regulatory controls (refer to conditions of the granted instrument)
Source/Activities	Potential emissions	Potential receptors	Potential pathway & receptor (impact)	Applicant controls					
Waste recieval, handling, transfer and storage	Dust: vehicle movements	Commercial and industrial premises adjacent to the site River system adjacent to the site and nearby wetlands Drainage system 82m to the north-east of the site	Air: health and amenity impacts	Majority of vehicle movements occur on a sealed hardstand	Minor	Unlikely	Medium	Some vehicle movements (vehicles being parked and trucks moving empty bins for storage in laydown areas) do not take place on a sealed hardstand. Local scale dust generation may occur.	N/A – any dust emissions can be managed under the general provisions of the EP Act.
	Noise: Vehicle movements and waste management activities	Adjacent industrial and commercial premises. Residential premises located ~400 m from site.	Air: health and amenity impacts	Operations occurring inside an enclosed shed	Minor	Possible	Medium	Limited machinery involved in operations is located in an enclosed shed. There may be some localised noise from truck movement.	Infrastructure and Equipment: Condition 2 Noise emissions from on-site operations will be subject to the provisions specified in the Noise Regulations
	Odour: waste management activities	Adjacent industrial and commercial premises Residential premises located ~400 m from site	Air: health and amenity impacts	Waste only handled and stored in enclosed shed Waste transferred to baler unit and hopper removed from premises frequently – no long term storage of waste.	Minor	Unlikely	Medium	Due to that nature of materials (recyclables) being accepted on-site, odour emissions should not occur in most circumstances and may only occur when non-conforming wastes are received in the recycling waste stream. Additionally the handling and storage of waste materials will only occur within the enclosed shed. Materials will not accumulate or be stored for long periods on site.	Infrastructure and Equipment: Condition 2 Waste Acceptance: Conditions 3 and 4 Waste Processing: Conditions 5 and 6 Input and output monitoring: Condition 7
	Leachate / Contaminated stormwater	Ferguson River system adjacent to the site East Picton Drainage system 82m to the north-east of the site Groundwater and nearby wetlands	Stormwater and surface water runoff	Waste only handled and stored in enclosed shed	Slight	Rare	Low	Operations are undertaken in an enclosed shed therefore the potential for stormwater to come in contact with waste is unlikely. Additionally the nature of recyclable materials received results in minimal leachate produced directly from waste. A Stormwater Management Plan (January, 2019) is also in-place and implemented on-site.	Infrastructure and Equipment: Condition 2
	Waste: Windblown waste	Adjacent industrial and commercial premises Ferguson River system adjacent to the site East Picton Drainage system 82m to the north east of the site	Air: Adverse impacts to the health and survival of fauna Amenity impacts	Waste handling takes place within enclosed shed Site inspection and housekeeping management process in place	Minor	Possible	Medium	Movement and transfer of loosely packed household recyclable waste due to machinery movements and processes could at some point escape the containment of the enclosed baler and transfer shed.	Infrastructure and Equipment: Condition 2 Waste Processing: Condition 5 and 6

6. Consultation

Table 9: Consultation notes

Method	Comments received	DWER response
Application advertised on DWER website	None received	N/A
Direct interest stakeholders notified	Refer to Appendix 2	Refer to Appendix 2
Applicant notified of Draft – 21 Day Referral period	Applicant has confirmed on 20 March 2019 – <ul style="list-style-type: none">72 hour timeframe for storage of waste is achievable;there is no weighbridge at the site, therefore units will be m³; andCleanaway has the support of the local authority to operate the MRF at the premises	Minor amendments to the Licence and Decision Report were made to include additional information provided

7. Conclusion

This assessment of the risks of activities on the premises has been undertaken with due consideration of a number of factors, including the documents and policies specified in this decision report (summarised in Appendix 3).

This assessment was also informed by a site inspection by DWER on 23 August 2018.

Based on this assessment, it has been determined that the Issued Licence will be granted subject to conditions commensurate with the determined controls and necessary for administration and reporting requirements.

DWER notes that it may review the appropriateness and adequacy of controls at any time and that, following a review, DWER may initiate amendments to the approval under the EP Act.

A/MANAGER WASTE INDUSTRIES REGULATORY SERVICES

Delegated Officer under section 20 of the *Environmental Protection Act 1986*

Appendix 1: Premises maps



Appendix 2: Summary of consultation comments

Application consultation

Person	Comment	DWER response
City of Bunbury	None received	N/A
Department of Fire and Emergency Services	None received	N/A

Appendix 3: Key documents

Document title	In text ref	Availability
DER, July 2015. <i>Guidance Statement: Regulatory principles</i> . Department of Environment Regulation, Perth.	DER, 2015a	accessed at www.dwer.wa.gov.au
DER, October 2015. <i>Guidance Statement: Setting Conditions</i> . Department of Environment Regulation, Perth.	DER, 2015b	
DER, August 2016. <i>Guidance Statement: Licence Duration</i> . Department of Environment Regulation, Perth.	DER, 2016	
DER, February 2017. <i>Guidance Statement: Risk Assessments</i> . Department of Environment Regulation, Perth.	DER, 2017a	
DER, February 2017. <i>Guidance Statement: Decision Making</i> . Department of Environment Regulation, Perth.	DER, 2017b	