



Licence Number L6765/1997/12

Licence Holder Advanced Pet Care of Australia Pty Ltd (WA)

ACN 087 757 551

File Number: 2011/003324

Premises
Advanced Pet Care
40 Lionel Street
NAVAL BASE WA 6165

Lot 50 on Diagram 89697
Certificate of Title Volume 2051 Folio 979

Date of Amendment 13/12/2017

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.

Date signed: 13 December 2017

Caron Goodbourn

A/MANAGER LICENSING (PROCESS 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
Category/ Categories/ Cat.	categories of Prescribed Premises as set out in Schedule 1 of the EP Regulations
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>
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i>
Existing Licence	The Licence issued under Part V, Division 3 of the EP Act and in force prior to the commencement of and during this Review
Licence Holder	Advanced Pet Care of Australia Pty Ltd (WA)
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 Amendment Notice.
Works	refers to the Works described in Table 1.2.2 of this Amendment Notice, to be carried out at the Premises, subject to the Conditions

Amendment Notice

This amendment is made pursuant to section 59 of the *Environmental Protection Act 1986* (EP Act) to amend the Licence L6765/1997/12 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.

Key application documents and Guidance Statements are listed in Appendix 1.

Amendment description

On 8 August 2017, Advanced Pet Care of Australia Pty Ltd (WA) (the Licence Holder) submitted an Application to DWER for an amendment to Advanced Pet Care's (the Premises) Existing Licence, L6765/1997/12. The amendment application relates to the installation of an additional Odour Control System (OCS). Specifically, the Licence Holder is proposing to install an Odatech Biofiltration System to extract and treat odours generated from the steam process drying area at the Premises. The Licence Holder has not proposed any changes to the production process or current odour controls; this amendment application is specifically for the implementation of extra odour controls.

The Licence Holder has applied to make the following infrastructure changes at the Premises:

- Installation of an additional modularised OCS that uses a biofiltration treatment (oxidising bacteria) and carbon polishing system to treat odorous air emissions generated in the steam drying process area of the extrusion manufacturing shed. The OCS will be located on a concrete slab outside of the extrusion manufacturing shed (refer Figure 1). The treated air will discharge from a vent located on top of the carbon filtration polishing module 1.8m above ground level;
- Installation of a larger shroud over the existing extruder to improve the capture of odours and steam from the steam drying process area. The shroud will be connected to 300mm PVC duct that will run across the extrusion shed roof to the OCS. A downstream induced drying fan will extract odorous air produced from the processing area at the specified air flow rate of 850m³ per hour directing it to the OCS; and
- A water drainage system that flows to a 600mm soak well installed below the concrete pad accessible by a 300 x 450mm cast iron meter box. The water drainage system is required for excess water generated in the biofilter which utilises a sprayer system to maintain humidity levels in air to be treated.

The OCS biofilter is packed with a blended bio media impregnated with activated carbon and has a life expectancy of 3 years and a Hydrogen Sulfide removal efficiency of 99%. The OCS is designed and built to comply with *WSA121-2004 Industry Standard for Biofilters for Odour Control*.

Figure 1 shows the proposed location of the new OCS to be installed at the Premises. Figure 2 shows the site layout plan and general arrangement of the new OCS, including the OdaVent biofilter module and OdaCarb carbon polishing module.

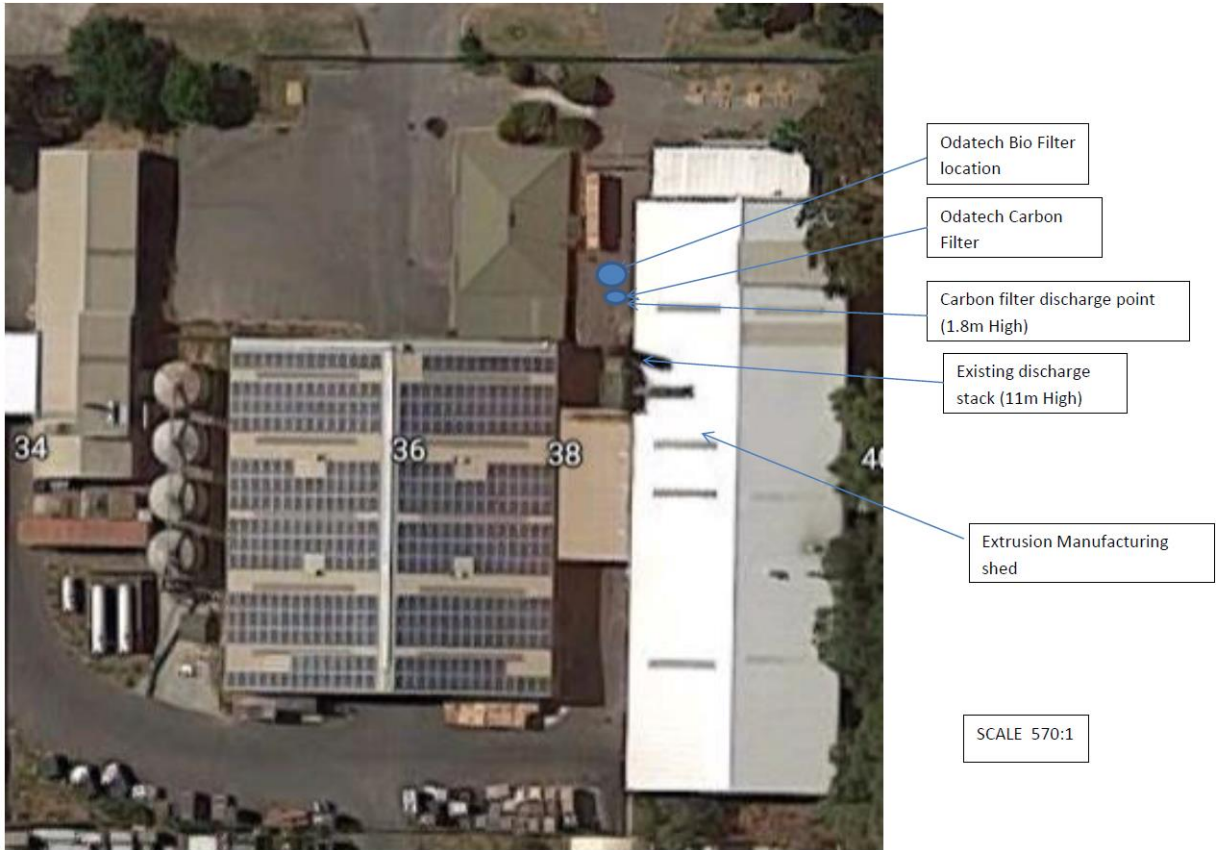


Figure 1: Location of new Odour Control System to be constructed at the Premises

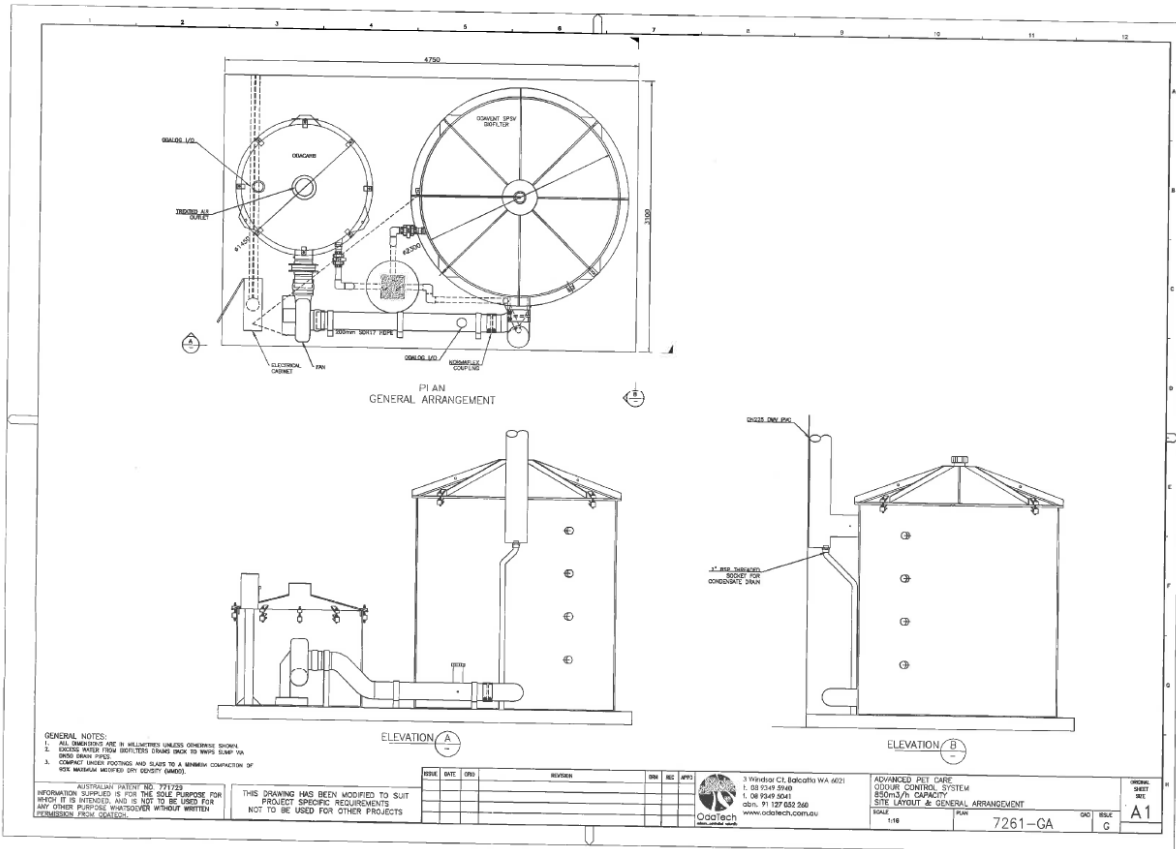


Figure 2: Site Layout of new Odour Control System to be constructed at the Premises

Amendment history

Table 2 provides the amendment history for Existing Licence L6765/1997/12.

Table 2: Licence amendments

Instrument	Issued	Amendment
L6765/1997/12	13/12/2017	Amendment Notice 1 Installation of an additional odour control system that uses a biofiltration treatment process to treat odorous air emissions generated in the steam drying process area
L6765/1997/12	6/4/2016	Licence renewal and conversion to new licence template (REFIRE) format
L6765/1997/11	3/4/2013	Licence renewal

Decision

The Delegated Officer has considered any emissions that may arise during construction and has reviewed the specifications of the additional OCS. There will be negligible emissions generated during construction; the system is a modularised plant that is pre-constructed. Only a small concrete slab and soak well is required to be installed. The Delegated Officer considers that the new OCS will reduce the potential for odour emissions during operations as capture and treatment of odour at the steam drying processing area will be significantly enhanced. The new OCS is designed and built to comply with the relevant Industry Standard for Biofilters for Odour Control (WSA 121-2004).

The Delegated Officer has therefore granted the amendment to Existing Licence L6765/1997/12. The Licence amendment includes additional conditions to incorporate the installation of the new OCS, and some existing conditions have been updated to incorporate operation of the new OCS.

Licence Holder's comments

The Licence Holder was provided with the draft Amendment Notice on 22 November 2017. The Licence Holder responded with no objections to the draft Amendment Notice.

Amendment

1. Definitions of the Licence is amended by the deletion of the text shown in strikethrough below and the insertion of the red text shown in underline below:

'OCS' means Odour Control System comprised of an OdaTech Biofiltration System;

and

~~'CEO' for the purpose of correspondence means:-~~

~~Chief Executive Officer-~~

~~Department Administering the Environmental Protection Act 1986-~~

~~Locked Bag 33-~~

~~CLOISTERS SQUARE WA 6850-~~

~~Email: info@der.wa.gov.au;~~

'CEO' for the purposes of notification means:

Director General

Department Administering the *Environmental Protection Act 1986*

Locked Bag 33 Cloisters Square

PERTH WA 6850

info-der@dwer.wa.gov.au

2. The Licence is amended by the insertion of the following Conditions 1.2.2 to 1.2.5:

- 1.2.2 The Licence Holder shall carry out the Works within the Premises in accordance with the requirements set out in Table 1.2.2 below.

Item	Works	Specifications
1	Installation of an additional Odour Control System to supplement existing odour controls at the Premises extrusion manufacturing shed	OdaTech Biofiltration System to comprise: <ul style="list-style-type: none">• OdaVent® SPSV1000 biofilter module and associated ball valves;• OdaCarb® Activated Carbon Polishing filtration module with inbuilt moisture separation system and exhaust discharge vent located 1.8m above ground level;• New shroud over the existing extruder connected to 300mm PVC duct running across the extrusion shed roof to the OdaTech Biofiltration System;• downstream induced drying fan to extract odorous air produced from the processing area at the specified air flow rate of 850m³ per hour; and• water drainage system flowing to a 600mm soak well located adjacent to the new OdaTech Biofiltration System.

- 1.2.3 Subject to Condition 1.2.2, on completion of the works, the Licence Holder must provide to the CEO engineering or building certification from a suitably qualified professional confirming each item of infrastructure or component of infrastructure specified in Table 1.2.2 above have been constructed with no material defects.

1.2.4 The Licence Holder must not depart from the requirements specified in Table 1.2.2 except:

- (a) where such departure does is minor in nature and does not materially change or affect the infrastructure;
- (b) or where such departure improves the functionality of the infrastructure and does not increase risks to public health, public amenity or the environment; and all other conditions in this Licence are still satisfied.

1.2.5 If Condition 1.2.4 applies, then the Licence Holder must provide the CEO with a list of departures which are certified as complying with Condition 1.2.4 at the same times, and from the same professional, as the certifications required under Condition 1.2.3.

3. Conditions 1.3.1 and 1.3.2 of the Licence are amended by the insertion of the red text shown in underline below:

1.3.1 The Licensee shall ensure that baghouse and deodorising system as specified in Table 2.2.1 and odour control misting system and OdaTech Biofiltration System specified in condition 2.3.1 are operating while animal feed manufacturing is occurring within the Extruding and Packaging Shed.

1.3.2 The Licensee shall inspect and review the operational performance of the baghouse and deodorising system and OdaTech Biofiltration System referred to in Table 2.2.1 at least every 3 months.

4. Table 2.2.1 of the Licence is amended by the insertion of the red text shown in underline below:

2.2.1 The Licensee shall ensure that where waste is emitted to air from the emission points in Table 2.2.1 and identified on the map of emission points in Schedule 1 it is done so in accordance with the conditions of this Licence.

Table 2.2.1: Emission points to air

Emission point reference and location on Map of emission points	Emission Point	Emission point height (m)	Source, including any abatement
A1	Main exhaust stack	6	Extrusion and Packaging Shed via a baghouse and deodorising system
<u>A2</u>	<u>OdaTech Biofiltration System discharge point (Carbon Filter vent)</u>	<u>1.8</u>	<u>Extrusion and Packaging Shed via the OdaTech Biofiltration System</u>

5. Condition 2.3.1 of the Licence is amended by the insertion of the red text shown in underline below:

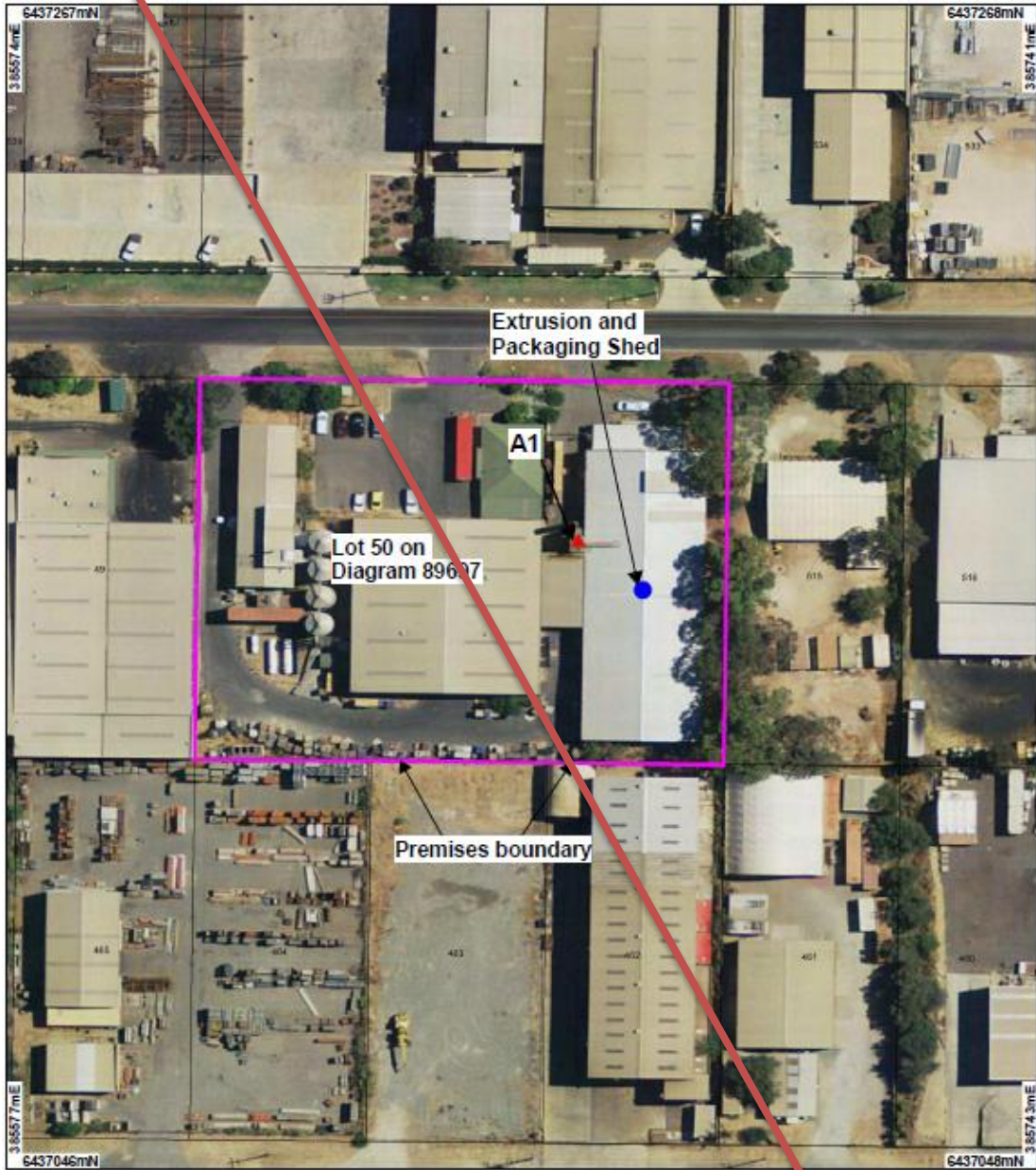
2.3.1 The Licensee shall operate and maintain an odour control misting system on the Extrusion and Packaging Shed doors and an OdaTech Biofiltration System at the steam drying process area.

6. The Premises map given in Schedule 1 of the Licence is amended by the deletion of the map shown with a red line below and the insertion of the new Premises map shown below:

Schedule 1: Maps

Premises map and map of emission points

The Premises and emission points are shown in the map below. The pink line depicts the Premises boundary.



LEGEND

- 89637
- Perth Metropolitan Area - Central 15km Orthometric - Lanlgate 2014

Scale 1:375
(Approximate when reproduced at A4)
Geocentric Datum Australia 1994
Note: the data on this map have not been projected. This may result in geometric distortion or measurement inaccuracies.
Prepared by: chris
Prepared for:
Date: 30/03/2016 2:08:31 PM

Information derived from this map should be confirmed with the data custodian or knowledge by the agency acronym in the legend.

Government of Western Australia
Department of Environment Regulation
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* Project Data. This data has not been quality assured. Please contact map author for details.

Schedule 1: Maps

Premises map and map of emission points

The Premises and emission points are shown in the map below. The pink line depicts the Premises boundary.



Appendix 1: Key documents

	Document title	In text ref	Availability
1	Licence L6765/1997/1 – Advanced Pet Care	L6765/1997/1	accessed at www.dwer.wa.gov.au
2	Licence Amendment Application: Advanced Pet Care of Australia Pty Ltd (WA)	Application	DWER records (A1522167)
3	Licence Amendment Application – Applicant submission of further information	Figures 1 and 2	DWER records (A1539889)
4	DER, July 2015. <i>Guidance Statement: Regulatory principles</i> . Department of Environment Regulation, Perth.	accessed at www.dwer.wa.gov.au	
5	DER, October 2015. <i>Guidance Statement: Setting conditions</i> . Department of Environment Regulation, Perth.		
6	DER, February 2017. <i>Guidance Statement: Risk Assessments</i> . Department of Environment Regulation, Perth.		