Government of Western Australia
Department of Water and Environmental Regulation

Works Approval

Works approval number	W6870/2023/1
Works approval holder	Advanced Pet Care of Australia Pty Ltd
ACN	087 757 551
Registered business address	62 Farmer Street North PERTH Western Australia 6006
DWER file number	DER2023/000347
Duration	24/04/2025 to 23/04/2028
Date of issue	24/04/2025
Premises details	Advanced Pet Care 43 – 49 Dooley Street NAVAL BASE WA 6165 Legal description - Lot 69 on Deposited Plan 417361 As shown in the premises map in Schedule 1

Prescribed premises category description **(Schedule 1, *Environmental Protection Regulations 1987*)**	**Assessed production capacity**
Category 23: Animal feed manufacturing: premises (other than premises within category 15 or 16) on which animal food is manufactured or processed	20,000 tonnes per year

This works approval is granted to the works approval holder, subject to the attached conditions, on 24 April 2025, by:

Amine Fisher

Digitally signed by Amine Fisher
Date: 2025.04.24 12:58:00 +08'00'

Amine Fisher
MANAGER PROCESS INDUSTRIES
an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

Works approval history

Date	Reference number	Summary of changes
24/04/2025	W6870/2023/1	Works approval granted

Interpretation

In this works approval:

(a) the words ‘including’, ‘includes’ and ‘include’ in conditions mean “including but not limited to”, and similar, as appropriate;

(b) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;

(c) where tables are used in a condition, each row in a table constitutes a separate condition;

(d) any reference to an Australian or other standard, guideline, or code of practice in this works approval:

(i) if dated, refers to that particular version; and

(ii) if not dated, refers to the latest version and therefore may be subject to change over time;

(e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and

(f) unless specified otherwise, all definitions are in accordance with the EP Act.

NOTE: This works approval requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this works approval.

Works approval conditions

The works approval holder must ensure that the following conditions are complied with:

Construction phase

Infrastructure and equipment

1. The works approval holder must:

(a) construct and/or install the infrastructure and/or equipment;

(b) in accordance with the corresponding design and construction / installation requirements; and

(c) at the corresponding infrastructure location.

as set out in Table 1.

Table 1: Design and construction / installation requirements

	Infrastructure	Design and construction / installation requirements	Infrastructure location
1.	Blowers, chillers and dehumidifiers building Blowers Dehumidifiers Chillers	(a) Building must be an enclosed steel structure and the listed infrastructure, excluding the chillers, must be established inside the building.	Figure 2 of Schedule 1
2.	Wheat storage 1x intake hopper 1x intake elevator 1x small high pressure dust filter 1x small centrifugal fan 2 x 186 m^3 silos 1x Conveyor 2 x screw feeders	(a) Silos must be enclosed. (b) Silos must be fitted with high level sensors to prevent overfilling. (c) The intake elevator, hopper, screw feeders and conveyor must be fully enclosed. (d) The intake hopper must have PVC strip curtains installed for dust suppression. (e) The dust filter must be installed on the intake elevator. (f) The dust filter must have a pulse cleaning system programmed with an automated cleaning interval. (g) The dust filter must discharge collected particulate matter back into the process. (h) The dust filter must be fitted with a differential pressure gauge.	Labelled Raw feed storage wheat silos in Figure 2 of Schedule 1
3.	Blending line 2 comprising: 1x 2000 kg circular scale hopper 2x 1.9 m^3 mixer surge hopper 1x 2000 L batch mixer 1x rotary sieve 1x 10 bin micro-ingredient dosing system	(a) The blending line infrastructure listed must be established within an existing enclosed building. (b) The blending line infrastructure must be fully enclosed. (c) Storage bins must be fitted with high level indicators to prevent overfilling. (d) The hammer mill filter vent must be fitted with a 17 dB silencer. (e) An enclosed pneumatic conveyor must be installed for transfer of milled feed into the storage silos and to Extrusion line 2. (f) Macro ingredient weigh bins must be installed with	Labelled Blending line 2 in Figure 2 of Schedule 1

	Infrastructure	Design and construction / installation requirements	Infrastructure location
	1x 1000 kg big bag intake system 5x macro ingredient weigh bin with discharge screw 2x small bag intake station 1x 315 kW Hammer mill 1x hammer mill feed elevator 1x 3000 L hammer mill feed hopper 1x hammer mill filter vent silencer 1x drum sieve 2x big bag loading stations 1x discharge hopper 2x pneumatic conveyors 3x elevators 5x conveyors Slide gates 9x screw feeders	filter bags.	
4.	Blending line 2 dust extraction system comprising: 1x high pressure large cyclonic dust filter 3x high pressure small dust filters 1x camfil dust filter 6x square bag dust filters 6x low pressure radial fans 1x high pressure radial fan	(a) The blending line must be designed and constructed with a dust extraction system connected to the elevators, conveyors, sieves, mixer, hoppers, hammer mill and bag loading stations which directs extracted air through dust filters prior to discharge to atmosphere through air vents. (b) All dust filters must have a pulse cleaning system programmed with an automated cleaning interval. (c) The dust filters must discharge collected particulate matter into fines bins or back into the process. (d) All dust filters must be fitted with a differential pressure gauge.	Labelled Blending line 2 in Figure 2 of Schedule 1
5.	Milled feed storage building 1x feed hopper 3 x 92 m^3 silos 3x large high pressure dust filters 1x pneumatic conveyor 1 x dehumidifier 3 x fans	(a) Building must be an enclosed steel structure and silos must be established inside the building. (b) Silos must be enclosed. (c) Silos must be fitted with high level sensors to prevent overfilling. (d) Each silo must be fitted with a large high pressure dust filter. (e) All dust filters must have a reverse pulse cleaning system programmed with an automated cleaning interval.	Labelled silos in Figure 2 of Schedule 1

	Infrastructure	Design and construction / installation requirements	Infrastructure location
	1 x chain conveyor 3 x vibro dischargers	(f) The dust filters must discharge collected particulate matter into the silo or a fines bin. (g) All dust filters must be fitted with a differential pressure gauge. (h) An enclosed pneumatic conveyor must be installed for transfer of milled feed to Extrusion line 2.	
6.	Bulk liquid storage 4 x 12.5 kL liquid addition tanks (digests, vegetable & coconut oil) 1 x 28 kL poultry oil tank 2x 28 kL beef tallow tank 7 x dosing pump systems 3 x hot water systems	(a) The bulk liquid storage infrastructure listed must be established within an existing enclosed building. (b) Tanks or vessels must have secondary containment constructed from concrete that is: i. not less than 100% of the tank or vessel for a single tank or vessel; or ii. not less than 110% of the capacity of the largest tank or vessel and 10% of the aggregate quantity of the tanks or vessels where there is more than one tank or vessel within a bund; and iii. designed for the collection and recovery of any spills. (c) Tanks must be fitted with high level indicators connected to a visual or audible alarm, or an automatic pump cut-off switch. (d) Dosing pump systems must be located within the secondary containment bund.	Labelled liquid storage within the Extrusion Line 2 and the Utilities Plant Room in Figure 2 of Schedule 1
7.	Extrusion line 2 comprising: 1x 14.5 m^3 extrusion feed bin 10x 24.5 m^3 kibble storage bins/silos 1x 3.5 m^3 scale hopper 1x pre-conditioner 1x 10 t/hr single screw extruder 1x 10 t/hr dryer 2x rotary screens 1x coating drum 1x counter flow cooler 4x cyclones 1x steam and water dosing system 7x Bucket elevators 2x Conveyors Slide gate feeders Fines bins 1x big bag discharge system for kibbles 1x bulk bag kibble	(a) The extrusion line infrastructure listed must be established within an existing enclosed building. (b) The extrusion line infrastructure must be fully enclosed. (e) The extrusion line must have a production capacity of no more than 10 tonnes/hr. (f) Storage bins/silos must be installed with high level indicators to prevent overfilling. (g) Cyclones must direct clear air to the Aerox odour control system.	Labelled extrusion line 2 in Figure 2 of Schedule 1

	Infrastructure	Design and construction / installation requirements	Infrastructure location
	filling station 1x slurry addition/recycle system 1x vibro discharger 1x Vacuum system 1x hopper 1x gravimetric feeder with weigh scales		
8.	Extrusion line 2 dust extraction system comprising: 1x high pressure extraction fan 1x high pressure large dust filter 3x low pressure radial extraction fan 1x high pressure small dust filter 2x fines bins	(a) The extrusion line must be designed and constructed with a dust extraction system connected to the top of bucket elevators, rotary screens, bins and silos which directs extracted air through dust filters. (b) All dust filters must have a pulse cleaning system programmed with an automated cleaning interval. (c) The dust filters must discharge collected particulate matter into fines bins or back into the process. (d) All dust filters must be fitted with a differential pressure gauge. (e) The dust extraction system must direct air discharged from the dust filters to the Aerox odour control system.	Labelled extrusion line 2 in Figure 2 of Schedule 1
9.	Extrusion line 2 Aerox odour control system comprising: 2x Aerox XG-40 non-thermal oxidisers (NTO) 1x exhaust stack	(a) The extrusion line must be designed and constructed with an Aerox odour control system comprising two Aerox XG-40 NTO which all extracted air from the extrusion line must pass through prior to discharge to atmosphere. (b) The NTOs must discharge to an exhaust stack constructed to a height at least 22 m above ground level and 2 m above the roofline of Extrusion line building.	Labelled extrusion main exhaust stack in Figure 2 of Schedule 1
10.	Packing line comprising 1x 11.4 m^3 kibble feed bin 1x bagging machine 1x palletiser 1x wrapper	(a) The packing line infrastructure listed must be established within an existing enclosed building.	Labelled extrusion line 2 in Figure 2 of Schedule 1
11.	1 x 2 MW natural gas fired steam boiler 1 x exhaust stack	(a) The boiler must be established within an existing enclosed building. (b) The boiler must have an exhaust stack designed to discharge all boiler emissions to air at a height at least 16.5 m above ground level and 2 m above the roofline of the Utilities Plant room building it is housed in.	Labelled boiler exhaust stack in Figure 2 of Schedule 1

Compliance reporting

2. The works approval holder must within 60 calendar days of the infrastructure or equipment required by condition 1 being constructed and/or installed:

(a) undertake an audit of their compliance with the requirements of condition 1; and

(b) prepare and submit to the CEO an Environmental Compliance Report on that compliance.

3. The Environmental Compliance Report required by condition 2, must include as a minimum the following:

(a) certification by a suitably qualified engineer that the items of infrastructure or component(s) thereof, as specified in condition 1, have been constructed in accordance with the relevant requirements specified in condition 1;

(b) as constructed plans and a detailed site plan for each item of infrastructure or component of infrastructure specified in condition 1; and

(c) be signed by a person authorised to represent the works approval holder and contains the printed name and position of that person.

Time limited operations phase

Commencement and duration

4. The works approval holder may only commence time limited operations for the infrastructure identified in condition 1 where the Environmental Compliance Report as required by condition 2 has been submitted by the works approval holder for that infrastructure.

5. The works approval holder may conduct time limited operations for the infrastructure specified in Table 1 (as applicable):

(a) for a period not exceeding 180 calendar days from the day the works approval holder meets the requirements of condition 4 for that item of infrastructure; or

(b) until such time as a licence for that item of infrastructure is granted in accordance with Part V of the *Environmental Protection Act 1986*

whichever occurs first.

6. During time limited operations, the works approval holder must ensure that the emission(s) specified in Table 2, are discharged only from the corresponding discharge point(s) and only at the corresponding discharge point location(s).

Table 2: Authorised discharge points during time limited operations

Emission	Discharge point	Minimum stack height (m AGL)	Discharge point location
VOCs, NOx, SO_2, CO, O_3, particulates	Main exhaust stack via Aerox	Not less than 22	Schedule 1 Figure 2
NOx and CO	Boiler exhaust stack	Not less than 16.5	
Particulates	Dust filter air vent	NA	
	Hammer mill air vent		
	Silo dust filter air vents		

Infrastructure and equipment

7. During time limited operations, the works approval holder must ensure the premises infrastructure listed in Table 3 is maintained and operated in accordance with the

corresponding operational requirements set out in Table 3.

Table 3: Infrastructure and equipment requirements during time limited operations

Infrastructure and equipment	Operational requirements	Infrastructure location
Wheat storage	(a) Wheat must only be stored in enclosed packages/containers or the wheat storage silos. (b) The dust filter and extraction fan must be operated during intake of wheat to the storage silos. (c) The dust filter must be operated with a pulse cleaning system programmed with an automated cleaning interval which discharges collected particulate matter back into the process. (d) The dust filter must be operated with a monitored differential pressure gauge for fault or malfunction detection. (e) Wheat storage silos must be operated with monitored visual or audible high-level alarms. (f) Spilt wheat must be cleaned/swept following unloading to the wheat storage. (g) Wheat that is recovered from cleaning/sweeping must be stored in an enclosed container or returned to the process.	Labelled Raw feed storage wheat silos in Figure 2 of Schedule 1
Milled feed storage	(a) Building doors must remain closed other than when vehicles or people are entering or exiting the building. (b) Milled feed must only be stored in enclosed packages/containers or the dedicated milled feed storage silos. (c) Milled feed storage silos must be operated with monitored visual or audible high-level alarms and dust filters. (d) The dust filters must be operated with a pulse cleaning system programmed with an automated cleaning interval which discharges collected particulate matter back into the process or a fines bin. (e) The dust filters must be operated with a monitored differential pressure gauge for fault or malfunction detection. (f) The building must be regularly cleaned/swept to ensure there is no build-up of loose products. (g) Any dust, raw material or product that is recovered from the cleaning/sweeping of the building must be stored in an enclosed container or returned to the process.	Labelled silos in Figure 2 of Schedule 1

Infrastructure and equipment	Operational requirements	Infrastructure location
Bulk liquid storage	(a) Oils and liquids additives must be stored within tanks or enclosed vessels located within secondary containment that is maintained: i. in a fit for purpose condition for containing liquids and free of cracks or damage; and ii. with capacity to contain not less than 110% of the volume of the largest tank or vessel. (b) Liquid spills or leaks from storage tanks or vessels must be immediately recovered, removed or disposed whether inside or outside of the containment bund (c) Bulk liquid storage tanks must be operated with monitored visual or audible high-level alarms.	Labelled liquid storage within the Extrusion Line 2 and the Utilities Plant Room in Figure 2 of Schedule 1
Blending line 2	(a) Building doors must remain closed while the blending line is operating other than when vehicles or people are entering or exiting the building. (b) The building must be regularly cleaned/swept to ensure there is no build-up of loose raw materials or products. (c) Any dust, raw material or product that is recovered from the cleaning/sweeping of the building must be stored in an enclosed container or returned to the process. (d) The macro ingredient bin filter bags must be cleaned, repaired or replaced when identified as blocked, damaged or having an excessive build-up of dust. (e) Storage bins/silos must be operated with monitored high level indicators.	Labelled Blending line 2 in Figure 2 of Schedule 1
Blending line 2 dust extraction system	(a) The dust extraction system must be in operation when the Blending line is operating. (b) All extracted air from the Blending line must pass through dust filters prior to discharge to atmosphere. (c) The dust filters must be operated with a pulse cleaning system programmed with an automated cleaning interval which discharges collected particulate matter back into the process or a fines bin. (d) The dust filters must be operated with a monitored differential pressure gauge for fault or malfunction detection. (e) Any dust filter which is blocked, damaged or has an excessive build-up of dust must be cleaned, repaired or replaced when it is identified.	Labelled Blending line 2 in Figure 2 of Schedule 1
Extrusion line 2	(a) Building doors must remain closed while the extrusion line is operating other than when vehicles or people are entering or exiting the building. (b) The building must be regularly cleaned/swept to ensure there is no build-up of loose raw materials or products. (c) Any dust, raw material or product that is recovered from the cleaning/sweeping of the building must be	Labelled extrusion line 2 in Figure 2 of Schedule 1

Infrastructure and equipment	Operational requirements	Infrastructure location
	stored in an enclosed container or returned to the process. (d) Storage bins/silos must be operated with monitored high level indicators.	
Extrusion line 2 dust extraction system	(a) The dust extraction system must be in operation when the Blending line is operating. (b) The dust filters must be operated with a pulse cleaning system programmed with an automated cleaning interval which discharges collected particulate matter back into the process or a fines bin. (c) The dust filters must be operated with a monitored differential pressure gauge for fault or malfunction detection. (d) Any dust filter which is blocked, damaged or has an excessive build-up of dust must be cleaned, repaired or replaced when it is identified. (e) All air discharged from the dust filters must be directed to the Aerox odour control system.	Labelled extrusion line 2 in Figure 2 of Schedule 1
Extrusion line 2 Aerox odour control system	(a) The Aerox odour control system must be in operation when the Extrusion line is operating. (b) All extracted air from the Extrusion line must pass through the NTOs prior to discharge to atmosphere.	Labelled extrusion main exhaust stack in Figure 2 of Schedule 1

Time limited operations reporting

8. The works approval holder must submit to the CEO a report on the time limited operations within 60 calendar days of the completion date of time limited operations or 30 calendar days before the expiration date of the works approval, whichever is the sooner.

9. The works approval holder must ensure the report required by condition 8 includes the following:

(a) a summary of the time limited operations, including timeframes and the amount of product produced;

(b) a summary of the environmental performance of all infrastructure as constructed or installed (as applicable); and

(c) where the manufacturer's design specifications and the conditions of this works approval have not been met, what measures will the works approval holder take to meet them, and what timeframes will be required to implement those measures.

Records and reporting (general)

10. The works approval holder must record the following information in relation to complaints received by the works approval holder (whether received directly from a complainant or forwarded to them by the Department or another party) about any alleged emissions from the premises:

(a) the name and contact details of the complainant, (if provided);

(b) the time and date of the complaint;

(c) the complete details of the complaint and any other concerns or other issues raised; and

(d) the complete details and dates of any action taken by the works approval holder to investigate or respond to any complaint.

11. The works approval holder must maintain accurate and auditable books including the following records, information, reports, and data required by this works approval:

(a) the works conducted in accordance with condition 1;

(b) any maintenance of infrastructure that is performed in the course of complying with condition 1; and

(c) complaints received under condition 10.

12. The books specified under condition 11 must:

(a) be legible;

(b) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;

(c) be retained by the works approval holder for the duration of the works approval; and

(d) be available to be produced to an inspector or the CEO as required.

Definitions

In this works approval, the terms in Table 4 have the meanings defined.

Table 4: Definitions

Term	Definition
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department administering the *Environmental Protection Act 1986* Locked Bag 10 Joondalup DC WA 6919 info@dwer.wa.gov.au
Department	means the department established under section 35 of the *Public Sector Management Act 1994* and designated as responsible for the administration of Part V Division 3 of the EP Act.
discharge	has the same meaning given to that term under the EP Act.
emission	has the same meaning given to that term under the EP Act.
Environmental Compliance Report	means a report to satisfy the CEO that the conditioned infrastructure and/or equipment has been constructed and/or installed in accordance with the works approval.
EP Act	*Environmental Protection Act 1986* (WA).
EP Regulations	*Environmental Protection Regulations 1987* (WA).
m AGL	means metres above ground level
NTO	Non-thermal Oxidiser
premises	the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map (Figure 1) in Schedule 1 to this works approval.
time limited operations	refers to the operation of the infrastructure and equipment identified under this works approval that is authorised for that purpose, subject to the relevant conditions.
works approval	refers to this document, which evidences the grant of the works approval by the CEO under section 54 of the EP Act, subject to the conditions.
works approval holder	refers to the occupier of the premises being the person to whom this works approval has been granted, as specified at the front of this works approval.

END OF CONDITIONS

Schedule 1: Maps

Premises map

The boundary of the prescribed premises is shown in the map below (Figure 1).

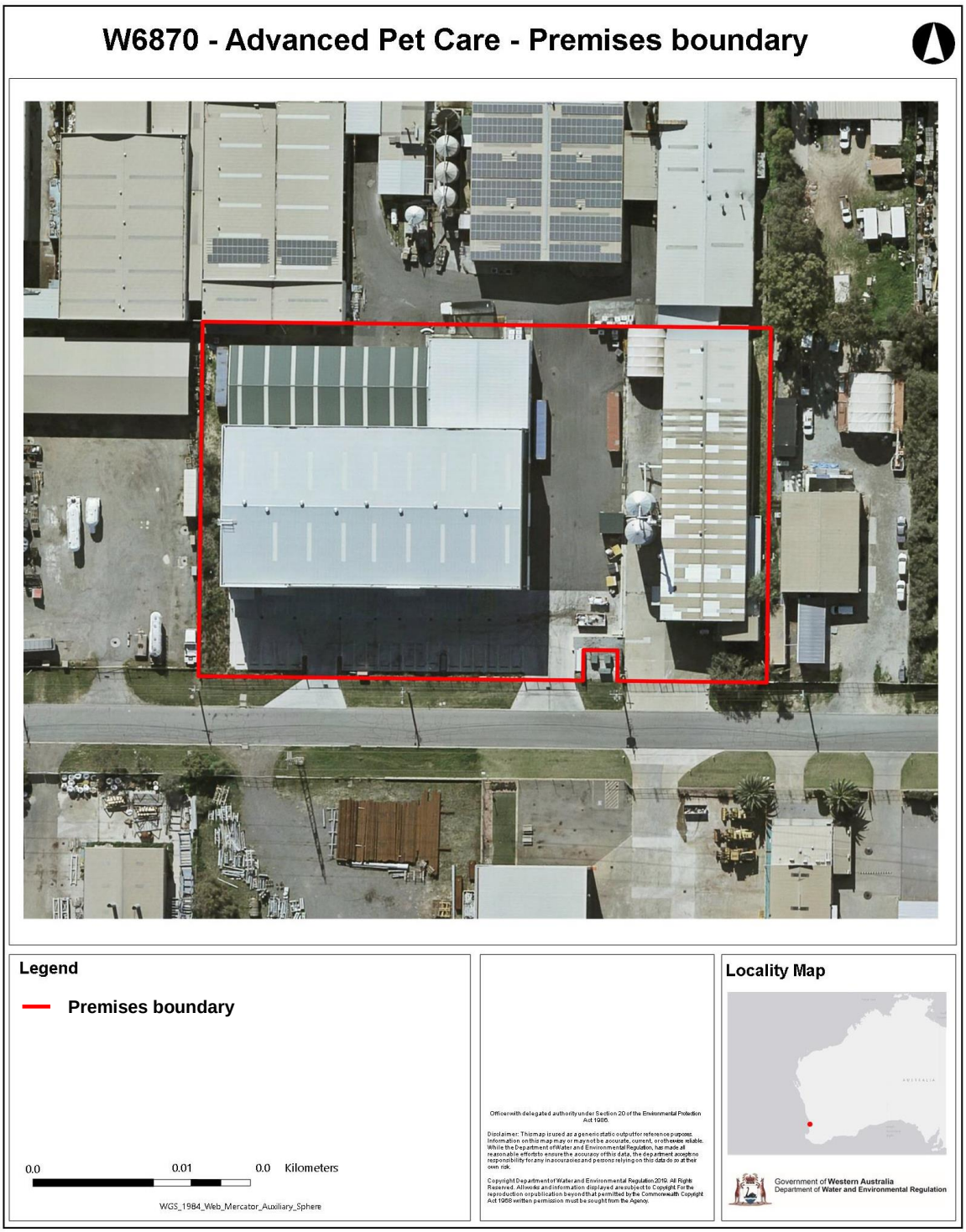

Figure 1: Map of the boundary of the prescribed premises

Map of premises infrastructure and authorised discharge points

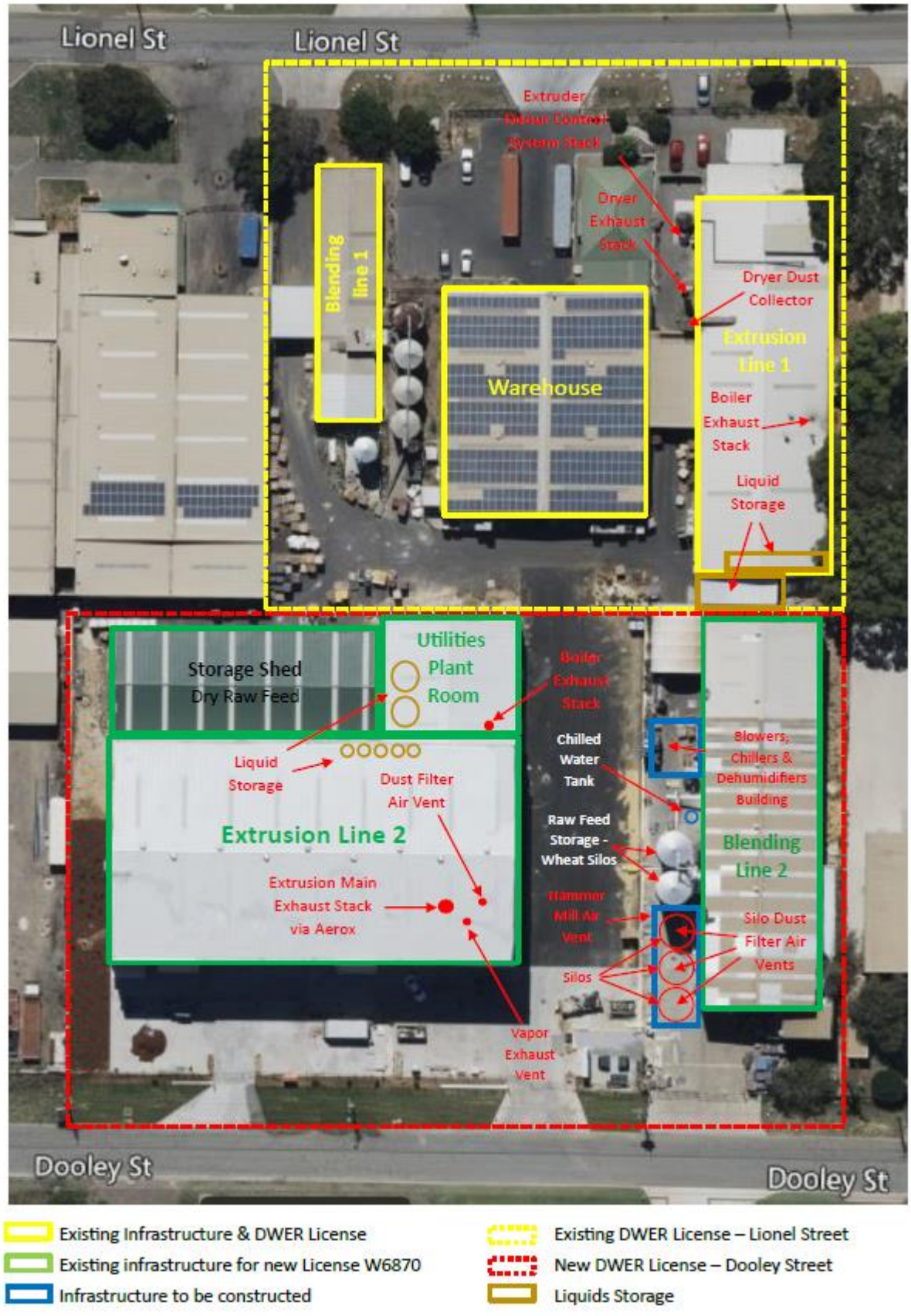

Figure 2: Map of infrastructure locations