



<b>Licence number</b>	L8977/2016/1
<b>Licence holder</b>	Kimberley Meat Company Pty Ltd
<b>ACN</b>	159 933 392
<b>Registered business address</b>	5/186 Hampden Road NEDLANDS WA 6009
<b>DWER file number</b>	DER2016/001019
<b>Duration</b>	7/11/2016 to 6/11/2036
<b>Date of last amendment:</b>	11/06/2021
<b>Premises details</b>	Colourstone Abattoir 210 Great Northern Highway ROEBUCK WA 6725  Legal description – Lot 210 on Plan 186082

<b>Prescribed premises category description (Schedule 1, Environmental Protection Regulations 1987)</b>	<b>Assessed production throughput</b>
Category 15: Abattoir: premises on which animals are slaughtered.	32,340 tonnes per year (liveweight)
Category 55: Livestock saleyard or holding pen: premises on which live animals are held pending their sale, shipment or slaughter.	77,000 animals per year
Category 83: Fellmongering: premises on which animal skins or hides are dried, cured or stored.	77,000 skins or hides per year
Category 16: Rendering operations: premises on which substances from animal material are processed or extracted.	115.5 tonnes per year

This amended licence is granted to the licence holder, subject to the attached conditions, on 10/06/2021, by:

**Daniel Hartnup**  
**A/MANAGER, PROCESS INDUSTRIES**  
**REGULATORY SERVICES**

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

## Licence history

Date	Ref number	Summary of changes
31/10/2016	L8977/2016/1	Licence granted – approving category 15 (abattoir), 55 (livestock holding pen) and 83 (fellmongering) operations
16/10/2019	L8977/2016/1	Licence amended to update premises layout, change reporting period, clarify stormwater treatment, change to management of blood waste (addition of category 16 rendering), incorporate the RO plant and discharge point and transfer to new licence template
11/08/2020	L8977/2016/1	Licence amended to remove draft watermark only
11/06/2021	L8977/2016/1	Licence holder-initiated amendment to authorise use of two concrete brine evaporation pads.

## Interpretation

In this licence:

- (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 licence:
  - (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 licence requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this licence.

## Licence conditions

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

### Infrastructure and equipment

1. The licence holder must ensure that the site infrastructure and equipment listed in Table 1 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in that table.

**Table 1: Infrastructure and equipment requirements**

Site infrastructure and equipment	Operational requirement	Infrastructure location
Abattoir building, including internal and external drainage infrastructure	<ul style="list-style-type: none"> <li>• All wastewater generated from abattoir processing operations must drain to the premises WWTS for treatment;</li> <li>• All potentially contaminated stormwater on the premises must drain to the premises</li> </ul>	As shown in Schedule 1: Premises stormwater plan

Site infrastructure and equipment	Operational requirement	Infrastructure location
	<p>WWTS for treatment; and</p> <ul style="list-style-type: none"> <li>• Clean stormwater must be diverted via drains to the premises stormwater pond or natural watercourses.</li> </ul>	
<p>CAT 154 BC3000 blood cooker</p>	<ul style="list-style-type: none"> <li>• No more than 115.5 tonnes per year of blood is rendered in the blood cooker;</li> <li>• The blood cooker must be located in an enclosed building with concrete flooring with drainage system that directs spills to the premises WWTS; and</li> <li>• Exhaust gases from the blood cooker must be emitted to air via the discharge stack located at least 12 m above ground level.</li> </ul>	<p>Not shown</p>
<p>HyDAF HD-35 WWTS</p>	<ul style="list-style-type: none"> <li>• Accepts all process wastewater from the abattoir floor and leachate from the lairage pens;</li> <li>• Consists of an enclosed impermeable treatment tank located on concrete bunded hardstand; and</li> <li>• Includes a rotary screen extractor to screen solids in the wastewater and a metal bin for the collection of solids.</li> </ul>	<p>As shown in Schedule 1: Map of authorised discharge points (labelled 'Waste Water Screening')</p>
<p>All sumps, drains, and drainage screens</p>	<ul style="list-style-type: none"> <li>• Must be kept free of accumulated solid waste.</li> </ul>	<p>Not shown</p>
<p>Lairage pens</p>	<ul style="list-style-type: none"> <li>• Roofed lairage pens with concrete floors and a central drain leading to a leachate sump;</li> <li>• Concrete bunded hardstand manure storage area;</li> <li>• Concrete leachate sump to contain drainage and wash water from the lairage pens;</li> <li>• Drainage and washwater is directed to the premises WWTS for treatment;</li> <li>• Manure must be collected from the pens on at least a daily basis and stored on the manure hardstand</li> </ul>	<p>As shown in Schedule 1: Map of authorised discharge points</p>
<p>Fellmongering shed</p>	<ul style="list-style-type: none"> <li>• Shed with sealed concrete floor graded with a fall to the centre of the floor and blind collection sump;</li> <li>• Excess salt from fellmonger activities is swept up at the end of every day and stored for reuse or disposal offsite</li> </ul>	<p>As shown in Schedule 1: Map of authorised discharge points (labelled 'Skins')</p>
<p>Wastewater Irrigation Storage Pond</p>	<ul style="list-style-type: none"> <li>• HDPE-lined (1.5mm) and bunded pond;</li> <li>• High water level alarm used to stop the blending pump or initiate transfer of water to irrigation;</li> <li>• Volumetric flow meter on the pump for recording volumes of water pumped to the irrigation area;</li> </ul>	<p>As shown in Schedule 1: Map of authorised discharge points</p>

Site infrastructure and equipment	Operational requirement	Infrastructure location
	<ul style="list-style-type: none"> <li>• Managed such that:                             <ul style="list-style-type: none"> <li>○ overtopping of the pond does not occur;</li> <li>○ a minimum top of embankment freeboard of 800mm is maintained;</li> <li>○ vegetation and floating debris (emergent or otherwise) are prevented from encroaching onto pond surfaces or inner pond embankments; and</li> <li>○ stormwater runoff is prevented from entering the pond.</li> </ul> </li> </ul>	
KMB1 Monitoring Bore	<ul style="list-style-type: none"> <li>• Bore used for the monitoring ambient groundwater quality.</li> </ul>	As shown in Schedule 1: Map of authorised discharge points
Reverse Osmosis Plant	<ul style="list-style-type: none"> <li>• Containerised RO plant which treats bore water to remove silica;</li> <li>• Must be maintained in accordance with manufacturer's specifications; and</li> <li>• RO reject water must be discharged directly into the premises stormwater dam</li> </ul>	As shown in Schedule 1: Map of authorised discharge points (labelled 'Fresh Water Treatment')
Two impervious concrete brine evaporation pads with a containment capacity of at least 207,000 L	<ul style="list-style-type: none"> <li>• Minimum freeboard of 50 mm must be maintained.</li> <li>• Pads must be maintained in good order and free of any leaks.</li> <li>• Pads must not be used during the wet season with all salt to be collected in the first week of December</li> </ul>	As shown in Schedule 1: Map of boundary of prescribed premises.

## Waste and by-product storage, disposal, and monitoring

2. The licence holder must ensure that wastes and by-products produced on the premises, specified in Table 2 are managed in accordance with the corresponding requirements specified in that table.

**Table 2: Waste and by-product management specifications**

Waste and by-product type	Disposal strategy	Specified requirements
Downers	Removed from the Premises	<ul style="list-style-type: none"> <li>• must be removed offsite within 24 hours of the licence holder becoming aware of the dead animal;</li> </ul>
Solid waste (manure) from lairage yards		<ul style="list-style-type: none"> <li>• must be stored in the concrete bunded manure hardstand area prior to removal offsite;</li> <li>• must not to be stockpiled on the Premises for more than two days;</li> </ul>
Paunch (undigested stomach contents)		<ul style="list-style-type: none"> <li>• must be stored in impermeable bins located on a hardstand prior to removal offsite;</li> </ul>
Hides		<ul style="list-style-type: none"> <li>• must be stored in the fellmongering shed located undercover on the drained</li> </ul>

Waste and by-product type	Disposal strategy	Specified requirements
		hardstand area;
Blood	Storage and treatment on the premises prior to removal offsite; or Frozen and stored pending removal offsite	<ul style="list-style-type: none"> <li>blood must be stored in a collection sump or tank for no more than 24 hours prior to rendering or freezing onsite;</li> <li>blood must be rendered in the CAT 154BC blood cooker must be done so within 24 hours of storage;</li> <li>rendered blood product must be removed offsite within 7 days of rendering;</li> </ul>
Wastewater from the abattoir and rendering operations	Storage and treatment on the premises	<ul style="list-style-type: none"> <li>all process wastewater must be directed to the Hy-DAF HD-35 WWTS for treatment;</li> </ul>
Treated wastewater from the Hy-DAF HD-35 WWTS	Storage and treatment on the Premises prior to disposal offsite	<ul style="list-style-type: none"> <li>treated wastewater outputs subject to compliance with condition 5;</li> <li>must be stored in the Wastewater Irrigation Storage Pond for blending with bore water then removed from the premises to a licensed waste facility;</li> </ul>
Sludge waste	Storage prior to removal offsite	<ul style="list-style-type: none"> <li>must dispose of all removed sludge off the premises to a licensed waste facility;</li> </ul>
All solid waste types	Removed from the premises	<ul style="list-style-type: none"> <li>all stored solid wastes must be removed from the Premises for disposal to a licensed waste facility by no later than 31 December each year.</li> </ul>
Fellmongering brine	Stored in IBC's or evaporated in the brine evaporation pads on the premises or removed from premises	<ul style="list-style-type: none"> <li>all fellmongering brine must be collected in IBCs and evaporated on pads or removed off the premises to a licenced waste disposal facility.</li> </ul>

3. The licence holder must record the total amount of waste and by-products removed from the premises for each waste or by-product type listed in Table 3 in the corresponding unit, and for each corresponding time period set out in that table.

**Table 3: Waste and by-products removed from the premises**

Waste and by-product type	Unit	Time period
Downers	number of downers	Each monthly period
Solid waste (manure)	m <sup>3</sup> or tonnes	
Paunch	m <sup>3</sup> or tonnes	
Hides	number or tonnes	
Blood (raw)	tonnes	Each batch leaving the premises
Blood (rendered)	tonnes	
Sludge waste from the WWTS	m <sup>3</sup> or tonnes	
Fellmongering brine waste	litres	

## Emissions and discharges

### Authorised discharge points

4. The licence holder must ensure that the emissions specified in Table 4, are discharged only from the corresponding discharge point and only at the corresponding discharge point location specified in that table.

**Table 4: Authorised discharge points**

Emission	Discharge point	Discharge point location
Treated and blended wastewater	W1: Wastewater Irrigation Storage Pond	As shown in Schedule 1: Map of authorised discharge points
Blood cooker exhaust gases	A1: Blood Cooker Stack	
RO reject water	W2: Premises Stormwater Dam	
Fellmongering brine waste	Brine evaporation pads	

### Treated wastewater discharge limits

5. The licence holder must ensure that treated wastewater discharged from the premises WWTS is less than or equal to the limits specified for parameters listed in Table 5.

**Table 5: WWTS treatment limits**

Discharge point	Parameter	Limit (including units)	Averaging period
E2: WWTS sample point As shown in Schedule 1: Map of authorised discharge points	5-day BOD	1,300 mg/L	Spot sample
	Total Suspended Solids	200 mg/L	
	Total Nitrogen	140 mg/L	
	Total Phosphorus	15 mg/L	

## Monitoring

### Treated wastewater monitoring

6. The licence holder must monitor emissions:
- from each monitoring location;
  - for the corresponding parameter;
  - at the corresponding frequency;
  - for the corresponding averaging period;
  - in the corresponding unit; and
  - using the corresponding method,
- as set out in Table 6.

**Table 6: Emissions and discharge monitoring**

Monitoring location	Parameter	Units	Frequency	Averaging period	Method	
					Sampling	Analysis
E1: WWTS flowmeter As shown in Schedule 1: Map of authorised discharge points	Volume of treated wastewater discharged	m <sup>3</sup>	Daily	Monthly	AS 5667.1 AS5667.10	-
	E2: WWTS sample point As shown in Schedule 1: Map of authorised discharge points	pH <sup>1</sup>	-	Monthly		Spot sample
Total dissolved solids	mg/L					
Total suspended solids						
5-day BOD						
Total Nitrogen						
Total Phosphorus						
Sodium						
Calcium						
Magnesium						
Electrical Conductivity	µS/cm					
E3: Wastewater Irrigation Storage Pond sample point As shown in Schedule 1: Map of authorised discharge points	Total suspended solids	mg/L				
	5-day BOD					
	Total Nitrogen					
	Total Phosphorus					

Note 1: In-field non-NATA accredited analysis permitted.

### Ambient groundwater monitoring

7. The licence holder must monitor the groundwater for concentrations of the parameters listed in Table 7:
- at the corresponding monitoring location;
  - in the corresponding unit;
  - at no less that the corresponding frequency;
  - for the corresponding averaging period; and
  - using the corresponding method;
- as set out in that table.

**Table 7: Monitoring of ambient groundwater concentrations**

Monitoring bore	Parameter	Units	Frequency	Averaging period	Method	
					Sampling	Analysis
KMB1 As shown in Schedule 1: Map of authorised discharge points	Standing Water Level <sup>1</sup>	m (AHD) or m (BGL)	Quarterly	Instantaneous <sup>1</sup>	AS 5667.1 AS5667.11	NATA Accredited
	pH <sup>1</sup>	-		Instantaneous <sup>1</sup> or spot sample		
	Total Dissolved Solids	mg/L		Spot sample		
	Total Nitrogen					
	Total Phosphorus					

Note 1: In-field non-NATA accredited analysis permitted.

8. The licence holder must record the inputs and outputs from the premises, in the corresponding unit, and for each corresponding time period set out in Table 8.

**Table 8: Monitoring of inputs and outputs**

Input / Output	Parameter	Units	Time period	Frequency
Animals received at the premises	Animals	Number	Annual	Each batch arriving at the premises
Animals slaughtered at the premises	Live weight of animals	Tonnes (estimated)	Annual	Estimated from number of livestock received at the premises

9. The licence holder must ensure that:
- all water samples are collected and preserved in accordance with AS/NZS 5667.1;
  - all wastewater sampling is conducted in accordance with AS/NZS 5667.10.
  - all groundwater sampling is conducted in accordance with AS/NZS 5667.11, using low-flow sampling; and
  - all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured unless indicated otherwise in the Monitoring Requirements Table.
10. The licence holder must ensure that:
- monitoring is undertaken in each monthly period such that there are at least 15 days in between the days on which samples are taken in successive months; and
  - monitoring is undertaken in each quarterly period such that there are at least 45 days in between the days on which samples are taken in successive quarters.

## Records and reporting

11. The licence holder must maintain accurate and auditable books including the following records, information, reports, and data required by this licence:
- the calculation of fees payable in respect of this licence;
  - any maintenance of infrastructure that is performed in the course of complying with condition 1;
  - monitoring programmes undertaken in accordance with conditions 2, 3, 5, 6, 7, 8, 9 and 10; and
  - complaints received under condition 13.



- 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 licence holder for the duration of the licence; and
  - (d) be available to be produced to an Inspector or the CEO as required.
- 13.** The licence holder must record the following information in relation to complaints received by the licence 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 licence holder to investigate or respond to any complaint.
- 14.** The licence holder must:
- (a) undertake an audit of their compliance with the conditions of this licence during the preceding annual period; and
  - (b) prepare and submit to the CEO by no later than 28 February after the end of that annual period an Annual Audit Compliance Report in the approved form.
- 15.** The licence holder must submit to the CEO by no later than 28 February after the end of each annual period, an Annual Environmental Report for that annual period for the conditions listed in Table 9, and which provides information in accordance with the corresponding requirement set out in Table 9.

**Table 9: Annual Environmental Report**

Condition	Requirement
3	The Report must contain recorded quantities of wastes and by-products removed from the Premises
6	The Report must contain: <ul style="list-style-type: none"> <li>(a) treated wastewater monitoring data in tabulated and graphical form including the sampling date;</li> <li>(b) a comparison of the monitoring data against the limits set in condition 5; and</li> <li>(c) copies of laboratory sample analysis reports.</li> </ul>
7	The Report must contain: <ul style="list-style-type: none"> <li>(a) groundwater monitoring data in tabulated and graphical formats including the sampling date;</li> <li>(b) an assessment and interpretation of the data including comparison to historical trends; and</li> <li>(c) copies of laboratory sample analysis reports.</li> </ul>
8	The Report must contain recorded quantities of inputs and outputs from the Premises
13	The Report must contain a summary of complaints records for the reporting annual period.
-	The Report must contain any issues raised from inspections or incident responses during the reporting period together with details as to how these have been addressed / rectified or, if the required work has yet to be completed, how and when they will be completed / rectified.

-	The Report must contain any changes to site boundaries, location of groundwater monitoring bores, surface drainage channels and on-site or off-site impacts or pollution.
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- 16.** The licence holder must comply with a Department Request, within 14 days from the date of the Department Request or such other period as agreed to by the Inspector or the CEO.

## Definitions

In this licence, the terms in Table 10 have the meanings defined.

**Table 10: Definitions**

Term	Definition
5-day BOD	5-day Biochemical Oxygen Demand
ACN	Australian Company Number
AHD	Australian Height Datum
Annual Audit Compliance Report (AACR)	means a report submitted in a format approved by the CEO (relevant guidelines and templates may be available on the Department's website)
annual period	a 12-month period commencing from 1 January to 31 December in that same year
Approved Form	the AACR Form template approved by the CEO for use and available via DWER's external website
AS/NZS 5667.1	means the Australian Standard AS/NZS 5667.1 Water Quality – Sampling – Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples
AS/NZS 5667.10	means the Australian Standard AS/NZS 5667.10 Water Quality – Sampling – Guidance on sampling of waste waters
AS/NZS 5667.11	means the Australian Standard AS/NZS 5667.11 <i>Water Quality – Sampling – Guidance on sampling of groundwater</i>
averaging period	means the time over which a limit is measured, or a monitoring result is obtained
BGL	Below ground level
books	has the same meaning given to that term under the EP Act
CEO	means Chief Executive Officer of the Department. "submit to / notify the CEO" (or similar), means either: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 or: <a href="mailto:info@dwer.wa.gov.au">info@dwer.wa.gov.au</a>
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994 (WA)</i> and designated as responsible for the administration of the EP Act, which includes Part V Division 3
discharge	has the same meaning given to that term under the EP Act
downer	an animal that has arrived at the premises dead or that dies in the lairage pens (or similar) and is not fit for processing through the abattoir
emission	has the same meaning given to that term under the EP Act
EP Act	<i>Environmental Protection Act 1986 (WA)</i>
EP Regulations	Environmental Protection Regulations 1987 (WA)
HDPE	High Density Poly Ethylene
IBC	Intermediate bulk container

<b>Term</b>	<b>Definition</b>
Inspector	means an inspector appointed by the CEO in accordance with s. 88 of the EP Act
licence	refers to this document, which evidences the grant of a licence by the CEO under section 57 of the EP Act, subject to the specified conditions contained within
licence holder	refers to the occupier of the premises, being the person specified on the front of the licence as the person to whom this licence has been granted
m <sup>3</sup>	cubic metres
NATA	National Association of Testing Authorities
premises	refers to the premises to which this licence applies, as specified at the front of this Licence and as shown on the premises map(s) (Figures 1, 2 and 3) in Schedule 1 to this licence
Prescribed Premises	has the same meaning given to that term under the EP Act
RO	Reverse Osmosis
spot sample	means a discrete sample representative at the time and place at which the sample is taken
waste	has the same meaning given to that term under the EP Act
WWTS	means the HY-DAF wastewater treatment system designed to collect and treat wastewater generated from operations at the premises

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**END OF CONDITIONS**

## Schedule 1: Maps

### Premises map

The prescribed premises is shown in the map below (Figure 1). The yellow line depicts the premises boundary.



Figure 1: Map of the boundary of the prescribed premises

### Map of authorised discharge points

The Premises layout and map of authorised discharge points is shown in the map below (Figure 2).

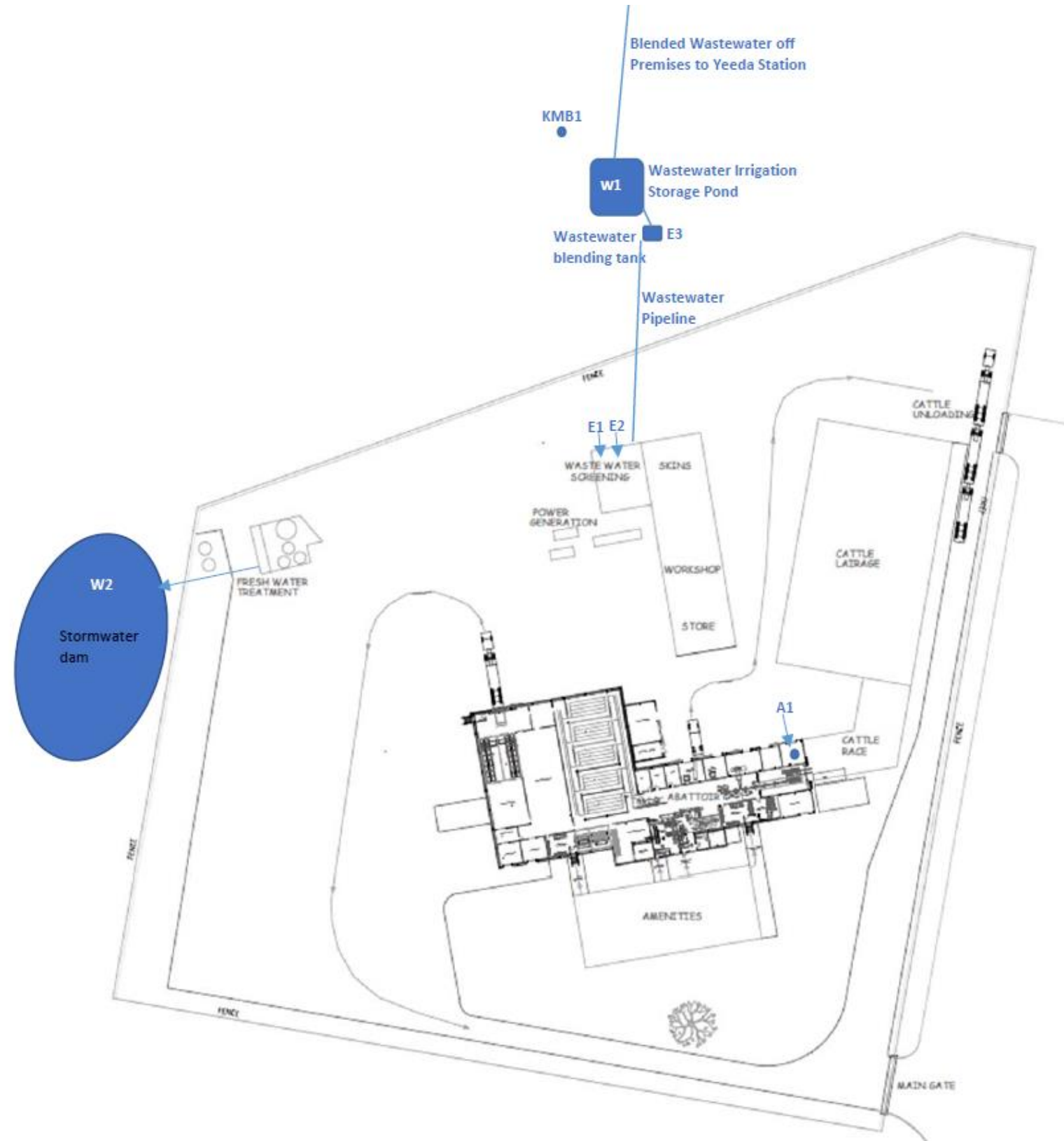
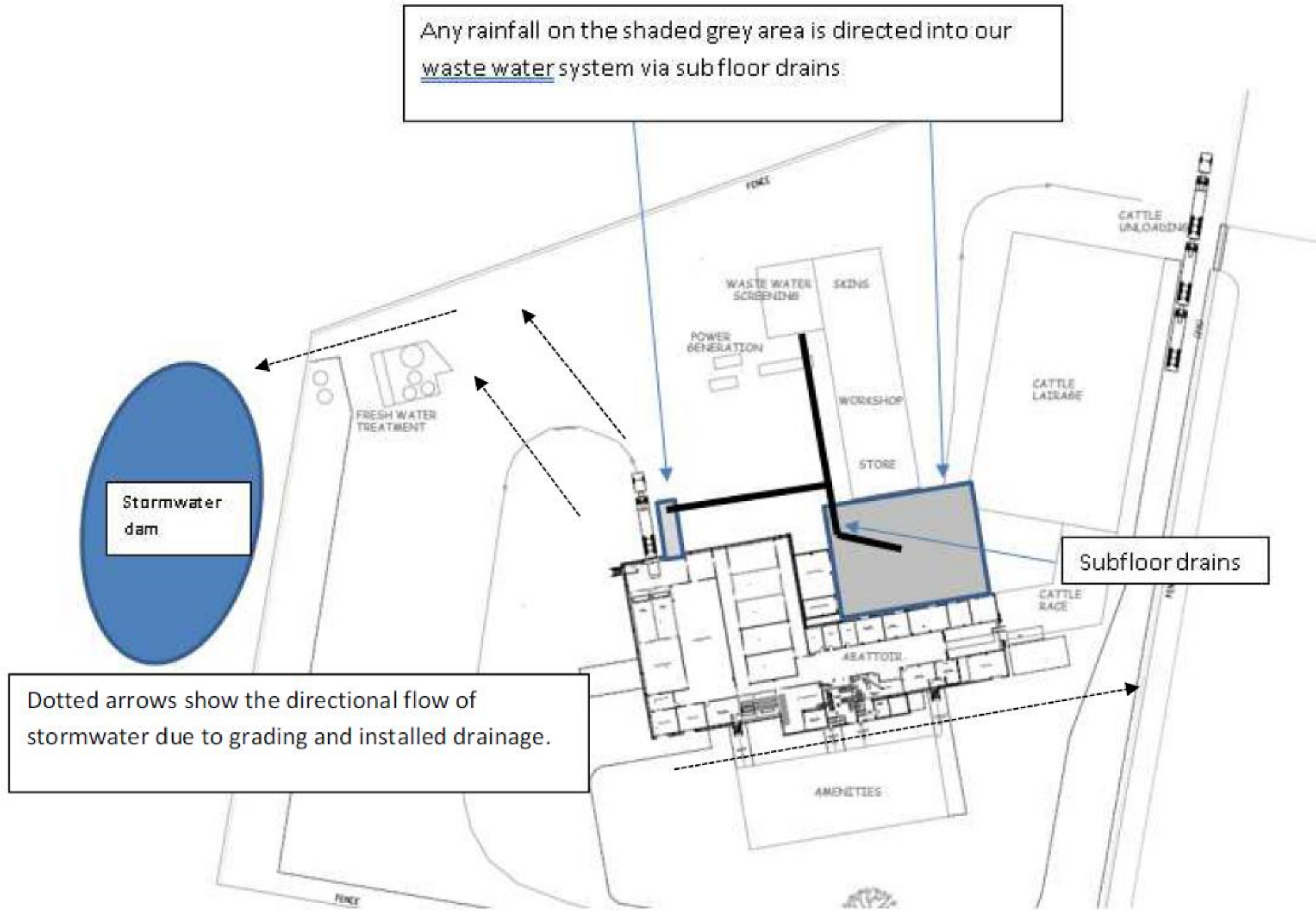


Figure 2: Premises layout and map of authorised discharge points

### Premises stormwater plan

The premises stormwater plan is shown in the map below (Figure 3).



Dotted arrows show the directional flow of stormwater due to grading and installed drainage.

Figure 3: Premises stormwater plan