



Licence Number	L9116/2018/1
Licence Holder	The Margaret River Dairy Company Pty Ltd
ACN	054 628 723
Registered business address	8 Interchange Drive EASTERN CREEK NSW 2766
File Number	DER2017/002077 - 1
Duration	18/09/2018 to 17/09/2038
Date of issue	18 September 2018
Prescribed Premises	Category 17
Premises	Margaret River Dairy 8063 Bussell Highway METRICUP WA 6280 Lot 108 on Deposited Plan 40314 Certificate of Title Volume 2549 Folio 790

This Licence is granted to the Licence Holder, subject to the following conditions, on 18 September 2018, by:

Caron Goodbourn
A/Manager, Process Industries
Regulatory Services

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

Explanatory notes

These explanatory notes do not form part of this Licence.

Defined terms

Definition of terms used in this Licence can be found at the start of this Licence. Terms which are defined have the first letter of each word capitalised throughout this Licence.

Department of Water and Environmental Regulation

The Department of Water and Environmental Regulation (DWER) is 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 *Environmental Protection Act 1986 (WA)* (EP Act). The Department also monitors and audits compliance with licences, takes enforcement action and develops and implements licensing and industry regulation policy.

Licence

Section 56 of the EP Act provides that an occupier of Prescribed Premises commits an offence if Emissions are caused or increased, or permitted to be caused or increased, or Waste, noise, odour or electromagnetic radiation is altered, or permitted to be altered, from Prescribed Premises, except in accordance with a works approval or licence.

Categories of Prescribed Premises are defined in Schedule 1 of the *Environment Protection Regulations 1987 (WA)* (EP Regulations).

This Licence does not authorise any activity which may be a breach of the requirements of another statutory authority including, but not limited to the following:

- conditions imposed by the Minister for Environment under Part IV of the EP Act;
- conditions imposed by DWER for the clearing of native vegetation under Part V, Division 2 of the EP Act;
- any requirements under the *Waste Avoidance and Resource Recovery Act 2007*;
- any requirements under the *Environmental Protection (Controlled Waste) Regulations 2004*; and
- any other requirements specified through State legislation.

It is the responsibility of the Licence Holder to ensure that any action or activity referred to in this Licence is permitted by, and is carried out in compliance with, other statutory requirements.

The Licence Holder must comply with the Licence. Contravening a Licence Condition is an offence under s.58 of the EP Act.

Responsibilities of a Licence Holder

Separate to the requirements of this Licence, general obligations of Licence Holders are set out in the EP Act and the regulations made under the EP Act. For example, the Licence Holder must comply with the following provisions of the EP Act:

- the duties of an occupier under section 61; and
- restrictions on making certain changes to Prescribed Premises unless the changes are in accordance with a works approval, Licence, closure notice or environmental protection notice (s.53).

Strict penalties apply for offences under the EP Act.

Reporting of incidents

The Licence Holder has a duty to report to DWER all discharges of waste that have caused or are likely to cause Pollution, Material Environmental Harm or Serious Environmental Harm, in accordance with s.72 of the EP Act.

Offences and defences

The EP Act and its regulations set out a number of offences, including:

- Offence of emitting an Unreasonable Emission from any Premises under s.49.
- Offence of causing Pollution under s.49.
- Offence of dumping Waste under s.49A.
- Offence of discharging Waste in circumstances likely to cause Pollution under s.50.
- Offence of causing Serious Environmental Harm (s.50A) or Material Environmental Harm (s.50B).
- Offence of causing Emissions which do not comply with prescribed standards (s.51).
- Offences relating to Emissions or Discharges under regulations prescribed under the EP Act, including materials discharged under the *Environmental Protection (Unauthorised Discharges) Regulations 2004 (WA)*.
- Offences relating to noise under the *Environmental Protection (Noise) Regulations 1997 (WA)*.

Section 53 of the EP Act provides that a Licence Holder commits an offence if Emissions are caused, or altered from a Prescribed Premises unless done in accordance with a Works Approval, Licence or the requirements of a Closure Notice or an Environmental Protection Notice.

Defences to certain offences may be available to a Licence Holder and these are set out in the EP Act. Section 74A(b)(iv) provides that it is a defence to an offence for causing Pollution, in respect of an Emission, or for causing Serious Environmental Harm or Material Environmental Harm, or for discharging or abandoning Waste in water to which the public has access, if the Licence Holder can prove that an Emission or Discharge occurred in accordance with a Licence.

This Licence specifies the Emissions and Discharges, and the limits and Conditions which must be satisfied in respect of Specified Emissions and Discharges, in order for the defence to offence provision to be available.

Authorised Emissions and Discharges

The Specified and General Emissions and Discharges from Primary Activities conducted on the Prescribed Premises are authorised to be conducted in accordance with the Conditions of this Licence.

Emissions and Discharges caused from other activities not related to the Primary Activities at the Premises have not been Conditioned in this Licence. Emissions and Discharges from other activities at the Premises are subject to the general provisions of the EP Act.

Amendment of licence

The Licence Holder can apply to amend the Conditions of this Licence under s.59 of the EP Act. An application form for this purpose is available from DWER.

The CEO may also amend the Conditions of this Licence at any time on the initiative of the CEO without an application being made.

Amendment Notices constitute written notice of the amendment in accordance with s.59B(9) of the EP Act.

Duration of Licence

The Licence will remain in force for the duration set out on the first page of this Licence or until it is surrendered, suspended or revoked in accordance with s.59A of the EP Act.

Suspension or revocation

The CEO may suspend or revoke this Licence in accordance with s.59A of the EP Act.

Fees

The Licence Holder must pay an annual licence fee. Late payment of annual licence fees may result in the licence ceasing to have effect.

Definitions and interpretation

Definitions

In this Licence, the terms in Table 1 have the meanings defined.

Table 1: Definitions

Term	Definition
AACR	Annual Audit Compliance Report
ACN	Australian Company Number
Anniversary Date	means 31 December each year.
Annual Period	means a 12 month period commencing from 1 January until 31 December.
AS/NZS 5667.1	means the Australian Standard AS/NZS 5667.1 Water quality - Sampling – Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples.
AS/NZS 5667.10	means the current version of Australian/New Zealand Standard AS/NZS 5667.10: <i>Water quality – Sampling – Guidance on sampling of waste waters</i> .
AS/NZS 5667.11	means the current version of Australian/New Zealand Standard AS/NZS 5667.11: <i>Water quality – Sampling – Guidance on sampling of groundwaters</i> .
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 <i>Environmental Protection Act 1986</i> Locked Bag 33 Cloisters Square PERTH WA 6850 info@dwer.wa.gov.au
Compliance Report	means a report in a format approved by the CEO as presented by the Licence Holder or as specified by the CEO (guidelines and templates may be available on the Department's website).
Condition	means a condition to which this Licence is subject under s.62 of the EP Act.
Daily rainfall	refers to the observation and recording of rain captured in the on-site rain gauge, measured in millimetres and observed and recorded at a regular time once every 24 hours.
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.
Department Request	means a request for Books or other sources of information to be produced, made by an Inspector or the CEO to the Licence Holder in writing and sent to the Licence Holder's address for notifications, as described at the front of this Licence, in relation to: <ul style="list-style-type: none"> (a) compliance with the EP Act or this Licence; (b) the Books or other sources of information maintained in accordance with this Licence; or (c) the Books or other sources of information relating to Emissions from the Premises.

Term	Definition
Discharge	has the same meaning given to that term under the EP Act.
DWER	Department of Water and Environmental Regulation.
Emission	has the same meaning given to that term under the EP Act.
Environmental Harm	has the same meaning given to that term under the EP Act.
EP Act	means the <i>Environmental Protection Act 1986 (WA)</i> .
EP Regulations	means the <i>Environmental Protection Regulations 1987 (WA)</i> .
Harvested	refers to the periodic process of mowing and/or slashing the groundcover vegetation in irrigation area L1 and immediately removing all of the mown/slashed plant material as a means of nutrient export from the irrigation area.
Implementation Agreement or Decision	has the same meaning given to that term under the EP Act.
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 s.57 of the EP Act, subject to the Conditions.
Licence Holder	refers to the occupier of the premises being the person to whom this Licence has been granted, as specified at the front of this Licence.
Material Environmental Harm	has the same meaning given to that term under the EP Act.
m(AHD)	means metres Australian Height Datum.
m(BGL)	means metres below ground level.
Pollution	has the same meaning given to that term under the EP Act.
Premises	refers to the premises to which this Licence applies, as specified at the front of this Licence and as shown on the map in Schedule 1 to this Licence.
Prescribed Premises	has the same meaning given to that term under the EP Act.
Primary Activities	refers to the Prescribed Premises activities listed on the front of this Licence as described in Schedule 2, at the locations shown in Schedule 1.
PVC	means polyvinyl chloride.
Serious Environmental Harm	has the same meaning given to that term under the EP Act.
Unreasonable Emission	has the same meaning given to that term under the EP Act.
Waste	has the same meaning given to that term under the EP Act.
WWTS	means the wastewater treatment system.

Interpretation

In this Licence:

- (a) the words 'including', 'includes' and 'include' will be read as if followed by the words 'without limitation';
- (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 means the version of the standard, guideline or code of practice in force at the time of granting of this Licence and includes any amendments to the standard, guideline or code of practice which may occur from time to time during the course of the Licence; and
- (e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act.

Conditions

Emissions

1. The Licence Holder must not cause any Emissions from the Primary Activities on the Premises except for specified Emissions and general Emissions described in Table 2 subject to the corresponding exclusions, limitations or requirements specified in Table 2.

Table 2: Authorised Emissions table

Emission type	Exclusions/Limitations/Requirements
Specified Emissions	
Disposal of treated wastewater via irrigation to land	Subject to compliance with Conditions 8, 9, 10, and 11
General Emissions (excluding Specified Emissions)	
<p>Emissions which:</p> <ul style="list-style-type: none"> • arise from the Primary Activities set out in Schedule 2. 	<p>Emissions excluded from General Emissions are:</p> <ul style="list-style-type: none"> • Unreasonable Emissions; or • Emissions that result in, or are likely to result in, Pollution, Material Environmental Harm or Serious Environmental Harm; or • Discharges of Waste in circumstances likely to cause Pollution; or • Emissions that result, or are likely to result in, the Discharge or abandonment of Waste in water to which the public has access; or • Emissions or Discharges which do not comply with an Approved Policy; or • Emissions or Discharges which do not comply with a prescribed standard; or • Emissions or Discharges which do not comply with the conditions in an Implementation Agreement or Decision; or • Emissions or Discharges the subject of offences under regulations prescribed under the EP Act, including materials discharged under the Environmental Protection (<i>Unauthorised Discharges</i>) Regulations 2004.

Works

2. The Licence Holder must install and undertake the Works for the infrastructure and equipment listed in Table 3 in accordance with the corresponding design and construction requirements and within the corresponding timeframes set out in Table 3.

Table 3: Works

Infrastructure / Equipment	Requirements (design and construction)	Timeframe
Wastewater treatment system (WWTS)	<p>1. A 430kL lined zincalume tank for the storage of treated effluent. It shall:</p> <ul style="list-style-type: none"> • be installed within a compacted, bunded eathern hardstand to achieve a permeability of 1×10^{-9} m/s; • be fitted with a pump and 100mm PVC pipeline to facilitate transfer of treated effluent for either disposal off-site or irrigation • have an operational high-level alarm installed, that is set to trigger when contents are at 95% of the tank volume; • have a sampling point capable of retrieving effluent samples; • be connected to the 10kL irrigation storage tank via PVC pipeline; and • have a volumetric flow meter fitted to allow the cumulative volume of effluent disposed of to be measured and recorded daily. 	Within 120 days of the issue date of the Licence
Irrigation area L1	<p>Irrigation system installed over the 0.73 hectare (ha) irrigation area (L1) within Lot 108 as follows:</p> <ul style="list-style-type: none"> • installation of 50mm PVC pipeline with outlet hydrants installed at intervals along the main distribution line, required for connection to the mobile spray irrigator to facilitate controlled irrigation runs in the defined irrigation area. 	Within 90 days of the issue date of the Licence and prior to the commencement of irrigation
Groundwater monitoring bores	<p>Three new groundwater monitoring bores installed to meet the requirements of <i>Minimum Construction Requirements for Water Bores in Australia</i> (AIH 2012) at the following locations:</p> <ul style="list-style-type: none"> • one located up hydraulic gradient of irrigation area L1 (MB05); • one located down hydraulic gradient of irrigation area L1 (MB06 - a replacement for bore MB02); • one located down hydraulic gradient of irrigation area L1 (MB07); and • all sited with regard to the Department of Water <i>Quality Protection Note 30 Groundwater Monitoring Bores</i> (DoW 2009) – Recommendations – siting of monitoring bores. <p>Monitoring bores to have screened intervals that extend 3 to 6 meters below the water table.</p>	Within 90 days of the issue date of the Licence.

3. The Licence Holder must locate the Works generally in accordance with the relevant Site Plans and Maps in Schedule 1.
4. The Licence Holder must submit a compliance document/s to the CEO within 30 days of the completion of each infrastructure or equipment works item listed in Table 3.
5. The compliance document submitted in accordance with Condition 4 shall:
 - (a) certify that the works were constructed in accordance with the requirements (design and construction) as specified in Condition 2, Table 3 and specify the completion dates for the corresponding infrastructure works completed;
 - (b) include photographs of all new infrastructure installed;
 - (c) be signed by a person authorised to represent the Licence Holder and contain the printed name and position of that person within the company; and
 - (d) with respect to groundwater monitoring bore requirements, include copies of the bore logs recorded at the time of installation of each groundwater monitoring bore, to include as a minimum the following:
 - GPS coordinates of bore location
 - Start and finish dates of installation
 - Type of drilling method used
 - Diameters and depth of hole drilled
 - Complete strata details to include:
 - i. well completion diagram;
 - ii. lithological description, including strata depths;
 - iii. standing water level; and
 - iv. drilling penetration rates.
 - Casing details to include:
 - i. type and diameter;
 - ii. class of pipe and/or wall thickness; and
 - iii. position within the hole and how it is secured and sealed.
 - Slotted screening details to include:
 - i. length of slotted section and location;
 - ii. screen type, dimensions and location; and
 - iii. the gravel pack material and size.
 - Bore development procedure and record, including total drilled depth
 - Surveyed height (AHD) of each bore.

Infrastructure and equipment

6. The Licence Holder must ensure that the site infrastructure and equipment specified in Table 4 is maintained in good working order and operated in accordance with the corresponding operational requirements specified in Table 4.

Table 4: Infrastructure and equipment controls

Site infrastructure and equipment	Operational requirements
<p>Raw milk handling and storage areas consisting of 3 x milk silos; and milk processing wastes and dairy product handling and storage areas consisting of: 1 x sludge holding tank 2 x whey storage tanks and 2 x water use flow meters (one recording from rainwater tanks and one from abstraction bore)</p>	<ul style="list-style-type: none"> • The loading and unloading of raw milk, dairy products and waste materials must be carried out in a bunded concrete hardstand containment area draining to the WWTS • Pressure sensors must be installed and maintained on milk silos to prevent overflow • All transfers of milk into and out of silos must be monitored by staff • Valves, pumps, pipelines and other fittings must be maintained and inspected by staff during each milk transfer to check for rupture or leaks • All drains, valves or discharge points associated with a bunded containment area must be secured at all times when not in use • Spill kits appropriate for milk, dairy products and waste materials must be kept in appropriate locations to contain any spills • Any spills must be immediately recovered • All waste material holding tanks located in the bunded area must be fully sealed and enclosed • All sludge, whey and other putrescible material from milk processing must be removed from the Premises weekly for disposal at an authorised facility • The flowmeters measuring the daily volume of water used in dairy production and cleaning must be maintained and calibrated annually.
<p>Wastewater treatment system (WWTS) consisting of: Inlet point with grease trap; pre-treatment holding tanks; clarifier tanks (x4) main aeration tank, sludge holding tank; dosing system pumps, overflow tank, irrigation/polish tank (10kL), treated effluent storage tank (430kL) and 1x flow meter</p>	<ul style="list-style-type: none"> • All wastewater from milk processing operations is to be directed to the WWTS. • Accept no more than 45kL per production day of wastewater • Must have enclosed and fully sealed sludge and polishing tanks • The high level alarm on the final treated wastewater storage tank (once installed) must be operated and maintained such that the alarm is triggered when the contents are at 95% of volume • A sampling point at the outlet of the final treated wastewater storage tank must be operated and maintained to allow for periodic sampling • All tanks must be maintained to ensure leaks or overtopping do not occur • All valves, pumps, pipelines and other fittings must be maintained and routinely inspected to check for rupture or leaks • Subject to the completion of works specifying the extension to the existing WWTS hardstand and installation of bunding, all WWTS infrastructure is to be located on a bunded hardstand • Must have a volumetric flowmeter installed and maintained to allow the volume of treated wastewater discharged for irrigation or off-site disposal to be automatically captured and recorded on a daily basis • All flow meters must be calibrated annually

Site infrastructure and equipment	Operational requirements
Irrigation area (L1) and irrigation system infrastructure consisting of: travelling self-propelled irrigator, flexible irrigation line connecting irrigator to irrigation pipeline, irrigation pipelines and pump/s connecting to the final treated wastewater storage tank	<ul style="list-style-type: none"> Irrigation system valves, pumps, pipelines and other fittings must be maintained and inspected for rupture or leaks on a daily basis when irrigating Spray irrigator to be maintained to ensure no blockages to allow even and effective spray production and ensure mobility, stopping and cut-off mechanisms are functioning as per equipment design Spray irrigator operated to deliver treated wastewater at a rate of 3-6mm/hour with a spray radius of 20 metres Records must be kept of all maintenance conducted and results of all routine irrigation system equipment and infrastructure inspections Fence to exclude stock and public access to irrigation area L1

Operational controls (wastewater and irrigation)

7. The Licence Holder must ensure treated wastewater from the WWTS is discharged to land only at the location specified in Table 5 and in accordance with the corresponding discharge requirements specified in Table 5.

Table 5: Authorised discharge of treated wastewater via irrigation

Emission point reference as specified in Schedule 1		Discharge via irrigation requirements
L1	Reference Map 3	Irrigation via a travelling spray irrigator applied at a rate of not more than of 30kL per day and only during the months of November, December, January, February and March in accordance with Conditions 8, 9 and 10.

8. The License Holder must monitor and record on a daily basis the parameters listed in Table 6 based on the data captured by the corresponding infrastructure listed under the corresponding monitoring point reference in Table 6 and in the corresponding units specified in Table 6.

Table 6: Rainfall, water use and wastewater monitoring

Monitoring point reference as specified in Schedule 1			Parameter	Units
RG	On-site rain gauge	Reference Map 3	Daily rainfall	mm
M1	Flow meter monitoring the volume of all potable water entering the dairy processing facility	Reference Maps 1 and 2	Daily volume of potable water entering the dairy processing facility for production and cleaning purposes	kL
M2	Flow meter continuously monitoring discharge volumes of treated wastewater removed from the final storage tank ¹	Reference Maps 1 and 2	Daily volume of treated wastewater pumped from the final storage tank to irrigation	kL
			Daily volume of treated wastewater pumped from the final storage tank for removal off-site	kL

1. Prior to completion of installation of the new treated wastewater storage tank required for installation under Condition 2 Works, the final storage tank refers to the 10,000L polish / irrigation tank.

9. The Licence Holder must ensure that when irrigating treated wastewater from the milk processing WWTS that:
- (a) only treated wastewater from the final storage tank in the WWTS is irrigated;
 - (b) no irrigation generated runoff, spray drift or discharge occurs beyond the boundary of the irrigation area L1;
 - (c) irrigation does not occur on land that is waterlogged;
 - (d) irrigation is not undertaken when rainfall is imminent, during or immediately after a rainfall event;
 - (e) wastewater is evenly distributed over the irrigation area;
 - (f) no soil erosion occurs;
 - (g) vegetative cover is maintained over the irrigation area;
 - (h) vegetation in the irrigation area is harvested at least every 12 months;
 - (i) irrigation does not occur over leach drains or areas receiving stormwater drainage; and
 - (j) no livestock is allowed to graze the irrigation area.

Emissions to land loading and concentration limits

10. The Licence Holder must ensure that treated wastewater to be discharged via irrigation does not exceed the limits specified in Table 7 for each of the corresponding parameters listed in Table 7.

Table 7: Irrigation emission limits

Parameter	Concentration Limit	Loading Limit
BOD _{5 day}	< 50 mg/L	<30kg/ha/day
TN (Inorganic N)	-	<140kg/ha/yr
TP (Reactive P)	-	<10kg/ha/yr

Treated wastewater monitoring

11. The Licence Holder must undertake treated wastewater monitoring at the location specified in Table 8 and for the corresponding parameters, units and samples and applying the corresponding method specified in Table 8.

Table 8: Treated wastewater monitoring

Monitoring point reference on Map 2 in Schedule 1	Parameter	Units	Frequency	Sample	Method
M2 - outflow from the final storage tank which holds treated wastewater from WWTS	Volumetric flow rate	m ³ /day	Continuous when discharging	N/A	AS 5667.1 AS 5667.10
	Volume of wastewater discharged	m ³			
	pH ¹	-	Monthly	In-field measurement	
	TN	mg/L		Spot sample	
	TP				
	TDS				
	TSS				
	BOD ₅				
Residual chlorine					

¹Condition 15 does not apply to pH

Groundwater Monitoring

12. The Licence Holder must undertake groundwater monitoring at the locations specified in Table 9 for the corresponding parameters, units, frequency, averaging period and sampling method specified in Table 9.

Table 9: Groundwater monitoring

Monitoring bores and reference on Map 3 in Schedule 1	Parameter	Units	Frequency	Averaging period	Sampling Method
MB05, MB06, MB07	Standing water level	m(AHD) mBGL	Monthly commencing within 30 days of bore installation until 24 months of consecutive data recorded, then reducing to quarterly monitoring	Spot, in-field measurement, taken at least 15 days apart	-
	pH ¹	-	Monthly commencing within 30 days of bore installation until 24 months of consecutive data recorded, then reducing to quarterly monitoring	Spot sample taken at least 15 days apart	AS 5667.1 AS 5667.11
	Electrical conductivity ¹	µS/cm			
	Total nitrogen (TN)		Quarterly commencing within 30 days of installing bores	Spot sample taken at least 45 days apart	
	Ammonia nitrogen				
	Nitrate nitrogen	mg/L			
	Total phosphorus (TP)				
	Reactive phosphorus				
	Total dissolved solids (TDS)				
	BOD 5-day				
Major ions: Na+, K+, Ca2+, Mg2+, Cl-, SO42-, HCO3-					

¹Condition 15 does not apply to pH or electrical conductivity

Soil monitoring

13. The Licence Holder must undertake soil sampling at the locations specified in Table 10 using the services of a certified soil scientist and in accordance with the corresponding soil profile, parameters, units of measurement, sampling frequency and sampling method specified in Table 10.

Table 10: Soil sampling and monitoring requirements

Soil sampling points and Map Reference	Soil profile	Parameter	Units	Sampling Frequency	Sampling Method
SB1, SB2, SB3, SB4 and SB5 as shown in Map 4 in Schedule 1	0-10cm	pH (in CaCl ₂)	-	First samples to be taken within 60 days of the date of issue of the Licence and thereafter, once every two years	AS/NZS 4482.1
		Electrical conductivity @25°C	dS/m		
		Moisture content	%		
		Total Nitrogen (TN)	mg/kg		
		Total Kjeldahl Nitrogen (TKN)	mg/kg		
		Ammonia - N	mg/kg		
		Nitrate - N	mg/kg		
		Colwell P	mg/kg		
		Phosphorus Retention Index (PRI)	-		
		Effective Cation Exchange Capacity	meq/100g		
		Exchangeable Sodium Percentage (ESP)	%		
	10-40cm	pH (in CaCl ₂)	-		
		Electrical conductivity @25°C	dS/m		
		Moisture content	%		
		Total Nitrogen (TN)	mg/kg		
		Total Kjeldahl Nitrogen (TKN)	mg/kg		
		Ammonia - N	mg/kg		
		Nitrate - N	mg/kg		
		Colwell P	mg/kg		
		Phosphorus Retention Index (PRI)	-		
		Effective Cation Exchange Capacity	meq/100g		
		Exchangeable Sodium Percentage (ESP)	%		
	N/A	Hydraulic Conductivity	mm/hour	Every two years coinciding with soil profile sampling	

14. The Licence Holder must submit to the CEO a report on the results of the soil sampling and testing required by Condition 13, Table 10 within 30 days of the sampling date. The report must include:
- a tabulated summary of all soil test results;
 - copies of all laboratory soil test reports; and
 - an analysis of the results, including an assessment of any changes or impacts on soil structure or chemistry with respect to historic soil testing and the application of treated wastewater over the irrigation area.

Record-keeping and reporting

15. The Licence Holder must ensure that all samples required for collection by Conditions 11, 12 and 13 are submitted to and tested by a laboratory with current NATA Accreditation for the parameters being measured unless indicated otherwise in the relevant table.
16. The Licence Holder must maintain accurate and auditable Books including the following records, information, reports and data required by this Licence:
 - (a) the calculation of fees payable in respect of this Licence;
 - (b) the works undertaken in accordance with Condition 2 of this Licence;
 - (c) the maintenance of infrastructure required to ensure that it is kept in good working order in accordance with Condition 6 of this Licence;
 - (d) monitoring undertaken in accordance with Conditions 11, 12 and 13 of this Licence; and
 - (e) complaints received and managed in accordance with Condition 17 of this Licence.

In addition, the Books must:

- (f) be legible;
 - (g) if amended, be amended in such a way that the original and subsequent amendments remain legible and are capable of retrieval;
 - (h) be retained for at least 3 years from the date the Books were made; and
 - (i) be available to be produced to an Inspector or the CEO.
17. The Licence Holder must record the number and details of any complaints received by the Licence Holder relating to its obligations under this Licence and its compliance with Part V of the EP Act at the Premises, and any action taken by the Licence Holder in response to the complaint. Details of complaints must include:
 - (a) an accurate record of the concerns or issues raised, for example a copy of any written complaint or a written note of any verbal complaints made;
 - (b) the name and contact details of the complainant, if provided by the complainant;
 - (c) the date of the complaint; and
 - (d) the details and dates of the actions taken by the Licence Holder in response to the complaints.
18. The Licence Holder must submit to the CEO, within 30 days after the Anniversary Date, an Annual Audit Compliance Report indicating the extent to which the Licence Holder has complied with the Conditions in this Licence for the preceding Annual Period.

19. The Licence Holder must submit to the CEO within 30 days after the Anniversary Date, an Annual Environmental Report satisfying the requirements of Table 11.

Table 11: Annual Environmental Report requirements

Condition	Requirements
7,8 and 9	The Report must provide a summary presentation of the following: <ul style="list-style-type: none"> (a) volume in kL of all potable water entering the dairy processing facility daily and the monthly cumulative volumes, presented in table format; (b) volume in kL of treated wastewater applied daily to the irrigation area and monthly cumulative volumes presented in table format; (c) monthly and cumulative volume (kL) of treated wastewater removed for off-site disposal presented in table format. (d) tabulated daily and monthly cumulative rainfall data, and (e) daily log of irrigation dates, irrigation volume applied and to what sub – area (run) within L1.
10 and 11	The Report must contain: <ul style="list-style-type: none"> (a) treated wastewater monitoring data in tabulated and graphical form including the sampling date; (b) tabulated monthly and annual loadings of nitrogen, phosphorus and BOD applied to the irrigation area including an explanation of the basis for determining loading rates; (c) an assessment and interpretation of the data including comparison to historical trends and loading limits; and (d) copies of laboratory sample analysis reports.
12	The Report must contain: <ul style="list-style-type: none"> (a) groundwater monitoring data in tabulated and graphical formats including the sampling date; (b) an assessment and interpretation of the data including comparison to historical trends; and (c) copies of laboratory sample analysis reports.
17	The Report must contain a summary of complaints records for the reporting Annual Period.

20. 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.

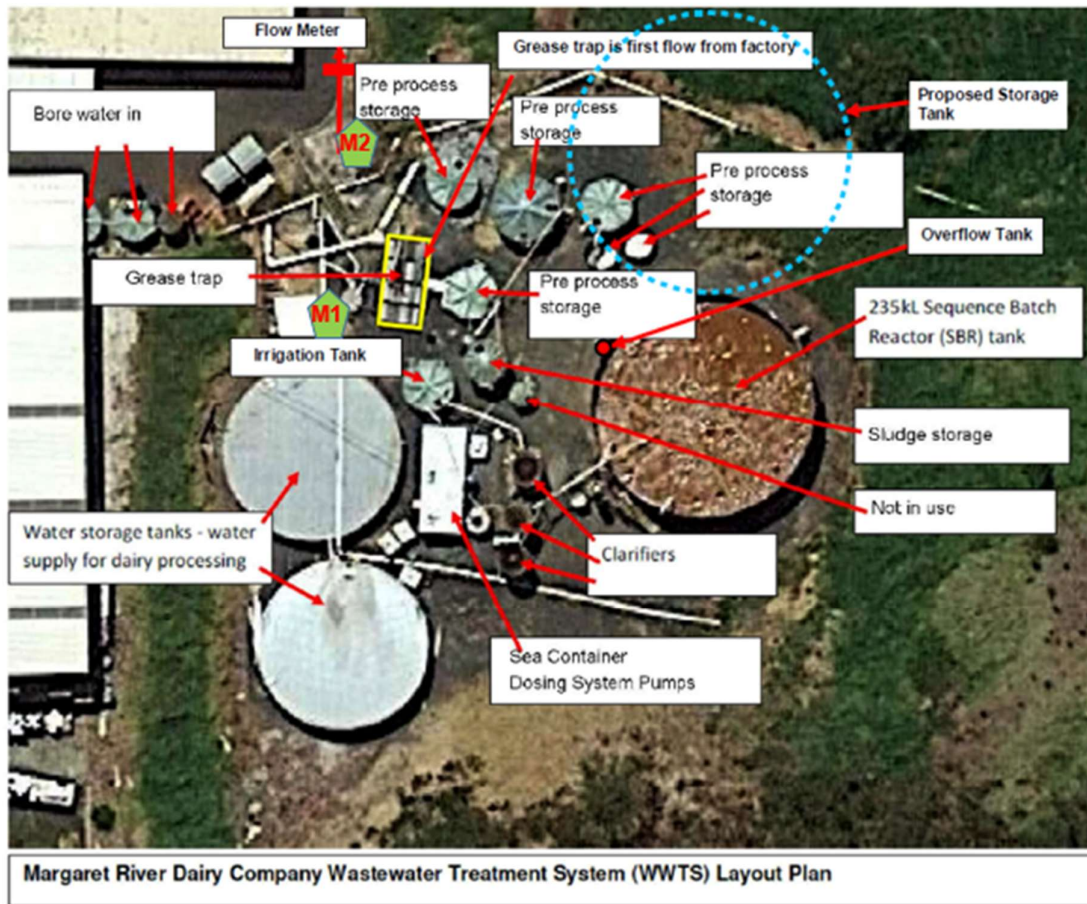
Schedule 1: Maps

Map 1: Premises boundary and site plan showing dairy processing facility infrastructure layout within Lot 108

The Premises boundary is shown in yellow in the plan below.



Map 2: Wastewater Treatment System (WWTS) infrastructure layout and Monitoring Points (M1 and M2)



Map 3: Emission Point (L1) irrigation area, new groundwater bores and rain gauge locations within Lot 108

The boundary to the irrigation area L1 is defined by the light blue dashed line. Proposed areas for the installation of new bores MB05, MB06 and MB07 are noted by the red dashed boundary lines and the on-site rain gauge is marked in orange. Storwater runoff areas are shown in solid light blue.



Map 4 – Existing groundwater monitoring bores and soil sampling sites

Existing groundwater monitoring bores are labelled MB02 – MB04 and soil sampling locations (previously sampled and tested) are labelled SB1 – SB4. The general area for selection of a new soil reference monitoring location (SB5) is denoted by the dashed green line, located in the NW corner of Lot 108.



Schedule 2: Primary Activities

At the time of assessment, Emissions and Discharges from the following Primary Activities were considered in the determination of the risk and related Conditions for the Premises.

The Primary Activities are listed in Table 12:

Table 12: Primary Activities

Primary Activity	Premises production or design capacity
Category 17 – Milk processing premises	10,320 tonnes of milk per year received for processing ¹

1. The design throughput capacity of 10,320 tonnes per annum is based on the maximum volume of milk that could be received for processing when operating within the Premises approved operating days and hours for milk deliveries.

Infrastructure and equipment

The Primary Activity infrastructure and equipment situated on the Premises is listed in Table 13.

Table 13: Infrastructure and equipment

Site Infrastructure		Plan Reference
	Milk Processing Infrastructure and Equipment	Schedule 1
1	Milk unloading area including: <ul style="list-style-type: none"> silos for milk storage (x3), total capacity 28,000 litres; and milk transfer pump (4,000L/hour). 	Map 1
2	Milk processing area	Map 1
3	<ul style="list-style-type: none"> Diesel powered boilers (x2) with tank capacities of 4,500L and 2,400L; Fans and ventilation systems; Air compressors; Electrical transformers; Hydraulic lifts; Refrigeration units; Cheese vats; Water storage tanks; Hot water tank; Mix tanks; Brine tank; Whey tank; Pipework; and Pumps. 	Various locations, some specified within the site plan (Map 1)
4	Chemical storage area	Map 1
5	Product storage area	Map 1
6	Process water treatment system and storage tanks (x 2)	Map 2

Site Infrastructure		Plan Reference
	Milk Processing Infrastructure and Equipment	Schedule 1
7	Tanks for whey storage (x3), total capacity of 20kL	Map 1
	Milk Processing Wastewater Treatment Plant (WWTS) Infrastructure description	Schedule 1
1	Clarifier tanks (x4), capacity of 5,000L molded polyethylene, not enclosed	Map 2
2	Aeration tank, capacity of 230kL, plastic lined zincalume, not enclosed	Map 2
3	Sludge tank, capacity of 10kL, polyethylene, enclosed	Map 2
4	Polishing tank, capacity of 10kL, polyethylene construction enclosed	Map 2
5	Final treated wastewater storage tank, capacity of 430kL, zincalume / plastic liner	Map 2
	Treated wastewater disposal via irrigation infrastructure description	Schedule 1
1	Self-propelled travelling spray irrigator with stopping block to restrict movement	Operates within irrigation area L1 shown in Map 3
2	Rain gauge	Map 3

Site layout

The Primary Activity infrastructure and equipment is set out on the Premises in accordance with the site layout specified on the Premises and WWTS site plans (Maps 1 and 2) in Schedule 1.

Areas identified for the installation of the three new groundwater monitoring bores, and the defined irrigation area (L1), are shown in Map 3 in Schedule 1.

The four (previously sampled) soil sampling sites are shown in Map 4 in Schedule 1 and are defined by the GPS coordinates below:

ID	Easting	Northing	Sample Type
SB1	326215	6257736	Soil Sample and Infiltration Test Location
SB2	326258	6257735	Soil Sample and Infiltration Test Location
SB3	326261	6257672	Soil Sample and Infiltration Test Location
SB4	326225	6257669	Soil Sample and Infiltration Test Location

The general location for the additional reference soil sample site (SB5) is shown in Map 4 in Schedule 1.