Government of Western Australia
Department of Water and Environmental Regulation

Licence

Licence Number	L8793/2013/1
Licence Holder	Shire of Esperance
ACN	---------
Registered business address	12 Windich Street, ESPERANCE WA 6450
File Number	2013/003950-1
Duration	10/04/2014 to 13/04/2028
Date of amendment	6/01/2022
Premises	Myrup Truck Wash and Liquid Waste Facility Lot 1885 on Plan 171656 Myrup Road, MYRUP WA 6450 (As defined on map in Schedule 1)

Category number	Category description	Category production or design capacity	Approved premises production or design capacity
61	Liquid waste facility: premises on which liquid waste produced on others premises (other than sewerage waste) is stored, reprocessed, treated or irrigated.	100 tonnes or more per year	15,500 tonnes per annual period

This Licence amendment is granted to the Licence Holder, subject to the following conditions, on 6 January 2022, by:

Steve Checker

Digitally signed by Steve Checker
Date: 2022.01.06 12:43:35 +08'00'

Stephen Checker
MANAGER, WASTE INDUSTRIES REGULATORY SERVICES

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

Licence history

Instrument	Issued	Description
W5150/2012/1	11/01/2012	Approval for construction of liquid waste treatment facility
L8793/2013/1	4/04/2014	Licence issued in updated format
L8793/2013/1	6/10/2014	Licence amended to allow for temporary storage of SLFG effluent
L8793/2013/1	11/06/2015	Licence amended to cease temporary storage of SLFG effluent, designate another receivable point for accepting control waste and allow for sludge from the control waste truck to be deposited on the sludge drying bed instead of receipt tank prior to disposal in accordance with the Biosolids guidelines.
L8793/2013/1	14/01/2016	Licence amendment to include Septage Waste (Waste Code K210)
L8793/2013/1	29/04/2016	Licence amendment for the extension of the Licence duration to 30 November 2017.
L8793/2013/1	29/06/2016	Licence amendment to allow receipt of vehicle wash down water (Waste Code L100) from external suppliers/sources.
L8793/2013/1	22/12/2017	Amendment Notice 1: for construction of a 20 metres by 20 metres concrete drying bed.
L8793/2013/1	22/02/2019	Amendment Notice 2: for acceptance of non controlled waste products at the Myrup Truck Wash and Liquid Waste Facility.
L8793/2013/1	06/01/2022	Amendment to include dredging of ponds and installation of associated temporary infrastructure.

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

1. The Licence holder shall immediately recover, or remove and dispose of any spills of waste as defined within condition 3, outside an engineered containment system.

2. The Licence holder shall record and investigate the exceedance of any descriptive or numerical limit in the licence.

3. Licence holder shall only allow waste to be accepted on to the Premises if:
   (a) it is of a type listed in Table 1;
   (b) the quantity accepted is below any limit listed in Table 1; and
   (c) it meets any specification listed in Table 1.

Table 1: Waste acceptance

Waste	Waste Code	Specification[1]	Quantity Limit
Putrescible and Organic wastes		Brought to the premises by a controlled waste carrier and discharged in the waste receipt tank or the on-site truck wash water sump as depicted in schedule 1. Sludge from the control waste truck, deposited on a sludge drying bed prior to disposal in accordance with the Guidelines for Biosolids Management.	15,500 tonnes per annual period (cumulative)
Animal effluent and residues from sources other than SLFG.	K100		
Waste from grease traps	K110		
Sewage waste from reticulated sewerage system	K130		
Food and beverage processing wastes	K200		
Septage waste	K210		
Soils and Sludge			
Fire debris and wash water	N140		
Industrial waste treatment plant residue	N205		
Industrial Wash Water		Water is accepted through the on-site truck wash water sump or brought to the premises by controlled waste carrier and discharged into the waste receipt tank (as depicted in Schedule 1: Maps).	
Wash waters from vehicle wash down at the facility truck wash sump (as depicted in Schedule 1) and vehicle wash water received from outside the premises	L100		
Industrial wash water contaminated with a controlled waste (includes stormwater collected from industrial facilities)	L150	Brought to the premises by a controlled waste carrier and discharged in the waste receipt tank or the on-site truck wash water sump as depicted in schedule 1.	
Gross Pollutant Trap Waste from stormwater sumps	NA- non controlled waste	Discharged in the waste receipt tank or the on-site truck wash water sump as depicted in Schedule 1	
Shire of Esperance caravan sewage waste	NA- non controlled waste	Brought to the premises by Shire of Esperance caravans only and discharged in the waste receipt tank.	

Note 1: Additional requirements for the acceptance of controlled waste are set out in the *Environmental Protection (Controlled Waste) Regulations 2004.*

4. The Licence holder shall ensure that the wastes accepted onto the Premises are only subjected to the process (es) set out in Table 2 and in accordance with any process requirements described in that table.

Table 2: Waste processing			
Waste type	**Waste Code**	**Process requirements**	**Process requirements**
Vehicle wash waters	L100	Physical and biological treatment.	Primary treatment (Anaerobic ponds): 1. Water depth to sludge shall be greater than 0.4 m or equivalent and sludge depth on ponds to be less than 1.5 m or equivalent; 2. Ensure the ponds are bubbling to ensure the anaerobic process is working. Secondary treatment (Evaporation pond): 3. Sludge depth on ponds to be less than 1 m or equivalent. Sludge from the control waste truck, deposited on a sludge drying bed prior to disposal in accordance with the Guidelines for Biosolids Management. No more than 200 m^3 of sludge, at any one time, to be held within the sludge drying beds.
Animal effluent and residues from sources other than SLFG.	K100		
Waste from grease traps	K110		
Sewage waste from reticulated sewerage system	K130		
Food and beverage processing wastes	K200		
Septage waste	K210		
Industrial wash water contaminated with a controlled waste (includes stormwater collected from industrial facilities)	L150		
Fire debris and wash water	N140		
Industrial waste treatment plant residue	N205	Biological treatment	

5. The Licence holder shall ensure that waste material is only stored and/or treated within vessels or compounds provided with the infrastructure detailed in Table 3.

Table 3: Containment Infrastructure		
Vessel or compound	**Material**	**Requirements**
Truck wash sump	Liquid waste	Concrete lined - liquid waste flows into the anaerobic ponds.
Waste receipt tank	Liquid waste	Concrete lined - liquid waste flows into the anaerobic ponds.
Pond 1 (Anaerobic Pond)	Wastewater	HDPE lined to achieve a permeability of $\leq 10^{-9}$ m/s or equivalent.
Pond 2 (Evaporation pond)	Treated wastewater	HDPE lined to achieve a permeability of $\leq 10^{-9}$ m/s or equivalent.
Sewage sludge drying bed/ compound	Sewage sludge	Temporary or permanent infrastructure to consist of a bunded hardstand or lined area (lined to achieve a permeability of $\leq 10^{-9}$ m/s or equivalent), capable of preventing surface run-off of leachate and sludge and which includes a leachate collection system
Geo-tube laying and dewatering area	Dredged sludge	Approximately 34 X 22 m^2 area, lined with LDDPE and surrounded by 500 mm high bund wall to be used for dewatering the geo-tubes. The filtrate collected via spoon drain would be recycled to truck wash pond using sump pumps.

6. The Licence holder shall manage the evaporation pond and anaerobic ponds such that:
   (a) overtopping of the ponds does not occur;
   (b) a minimum top of embankment freeboard of:
      (i) 500 mm is maintained for the evaporation pond; and
      (ii) 300 mm is maintained for anaerobic ponds.

(c) the integrity of the containment infrastructure is maintained; and
(d) vegetation does not grow on the inner pond embankments.

7. The Licence holder shall ensure the following monitoring equipment is maintained:
   (a) freeboard markers on or in the evaporation pond and anaerobic ponds as depicted in Schedule 1;
   (b) all flow monitoring equipment at the truck wash; and
   (c) monitoring bores that allow representative water samples to be collected at the bore locations designated MB1, MB2 and MB3, as depicted in Schedule 1.

8. The Licence holder shall ensure:
   (a) where sludge is temporarily stored on-site, all sludge is stored within a sludge drying bed, as depicted in Schedule 1;
   (b) all sludge leachate from the sludge drying bed returns to the treatment ponds; and
   (c) sludge and biosolids are disposed of in accordance with the Western Australian Guideline for Biosolids Management.

9. The Licence holder shall ensure that no waste (as defined in Table 1), sludge, sludge leachate, Cationic Polymer, or water from the evaporation pond or anaerobic ponds depicted in Schedule 1 is discharged to the environment.

10. The Licence holder must not depart from the specifications in Table 4 except:
   (a) where such departure is minor in nature and does not materially change or affect the infrastructure; or
   (b) 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.

Table 4: Works specifications

Column 1	**Column 2**
Infrastructure[1]	**Specifications (design and construction)**
Concrete sludge drying bed near the aerobic tank as shown in the site plan in Schedule 1 of the licence	The concrete drying bed must be designed and constructed so as to meet the following specification: 1. Approximate drying bed area: 400m^2; 2. Impervious concrete construction; 3. Free from leaks and defects; 4. The drying bed to be graded to fall towards the anaerobic pond; 5. 400mm wall surrounding the two lower sides of the drying bed to assist with directing the run off into the drain that will feed into the anaerobic pond; and 6. Maintained free of debris to enable free drainage of leachate and runoff into the anaerobic pond.
Sludge dewatering area as shown in the site plan in Schedule 1 of the licence.	A dewatering bed designed and constructed to meet the following specification: 1. Approximate bed area: 34 x 22 m^2 for laying down the geo-tubes 2. Lined with LLDPE; 3. Surrounded by 500 mm bund wall; 4. A spoon drain with sump pumps, feeding in to the anaerobic pond.

11. The Licence holder must submit a construction compliance document to the CEO, within one month, following the construction of the works and prior to operating the new works at the premises.

12. The Licence holder must ensure the construction compliance document:
   (a) is certified that each item of infrastructure specified in Condition 10, Table 4 has been constructed in accordance with the Conditions of the Licence with no material defects; and

(b) be signed by a person authorised to represent the Licence holder and contain the printed name and position of that person within the company.

Monitoring

13. The Licence holder shall ensure that:
    (a) all water samples are collected and preserved in accordance with AS/NZS 5667.1;
    (b) all groundwater sampling is conducted in accordance with AS/NZS 5667.11; and
    (c) all laboratory samples are submitted to a laboratory with current NATA accreditation for the parameters to be measured unless indicated otherwise in relevant table.

14. The Licence holder shall ensure that quarterly monitoring is undertaken at least 45 days apart.

15. The Licence holder shall undertake the monitoring in Table 5 according to the specifications in that table.

Table 5: Monitoring of inputs and outputs

Input/ Output	Parameter	Units	Averaging period	Frequency
Controlled wastes received: • Animal effluent and residues • Septage wastes – domestic wastes from apparatus for the treatment of sewage • Waste from grease traps • Vegetable and food processing wastes • Sewage from the reticulated sewerage system • Industrial wash water contaminated with a controlled waste (includes stormwater collected from industrial facilities) • Fire debris or fire wash waters	Volume	m^3/day; tonnes	Monthly	Each batch arriving at premises (controlled waste tracking form)
Water used in the truck wash facility as depicted in Schedule 1 and/ or wash waters (L100) received from offsite.	Volume	m^3/ day; tonnes	Monthly	Continuous

16. The Licence holder shall undertake the monitoring in Table 6 according to the specifications in that table and record and investigate results.

Table 6: Monitoring of ambient groundwater quality

Monitoring point reference and location	Parameter	Units	Averaging period	Frequency
MTLWF1, MTLWF2 and MTLWF3 as referenced in Schedule 1	Ammonium-nitrogen	mg/ L	Spot sample	Quarterly
	pH[1]	pH units		
	Standing water level[1]	m(AHD)		
	Total dissolved solids	mg/ L		
	Total nitrogen	mg/ L		
	Total phosphorus	mg/ L		

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

Information

Records

17. All information and records required by the Licence shall:
    (a) be legible;
    (b) if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval;
    (c) except for records listed in 17(d) be retained for at least six years from the date the records were made or until the expiry of the Licence or any subsequent licence; and
    (d) for those following records, be retained until the expiry of the Licence and any subsequent licence:
        (i) off-site environmental effects; or
        (ii) matters which affect the condition of the land or waters.

18. The Licence holder shall ensure that:
    (a) any person left in charge of the Premises is aware of the conditions of the Licence and has access at all times to the Licence or copies thereof; and
    (b) any person who performs tasks on the Premises is informed of all of the conditions of the Licence that relate to the tasks which that person is performing.

19. The Licence holder shall complete an Annual Audit Compliance Report indicating the extent to which the Licence holder has complied with the conditions of the Licence, and any previous licence issued under Part V of the Act for the Premises for the previous annual period.

20. The Licence holder shall implement a complaints management system that as a minimum records the number and details of complaints received concerning the environmental impact of the activities undertaken at the Premises and any action taken in response to the complaint.

21. The Licence holder shall submit to the CEO an Annual Environmental Report within 60 calendar days after the end of the annual period. The report shall contain the information listed in Table 7 in the format or form specified in that table.

Table 7: Annual Environmental Report

Condition or table (if relevant)	Parameter	Format or form[1]
-	Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period and any action taken	None specified
15	Monitoring of inputs during the annual period	None specified
16	Monitoring of ambient ground water quality (Ammonium-Nitrogen; pH; Standing Water Level; Total Dissolved Solids; Total Nitrogen; and Total Phosphorus) for the annual period.	None specified
19	Compliance for the annual period	Annual Audit Compliance Report (AACR)
20	Complaints summary for the annual period	None specified

Note 1: Forms are in Schedule 2.

22. The Licence holder shall ensure that the Annual Environmental Report also contains:
    (a) any relevant process, production or operational data recorded under condition 21;
    (b) an assessment of the information contained within the report against previous monitoring results and Licence limits and/or targets; and
    (c) a list of any original monitoring reports submitted to the Licence holder from third parties for the annual period and make these reports available on request.

Notification

23. The Licence holder shall ensure that the parameters listed in Table 8 are notified to the CEO at the contact address and in accordance with the notification requirements of the table.

Table 8: Notification requirements			
Condition or table (if relevant)	**Parameter**	**Notification requirement[1]**	**Format or form[2]**
-	Removal of sludge from a geo-tube dewatering area, treatment pond, wastewater treatment vessel or sludge storage area.	No less than 14 days in advance of works[3]	None specified
-	Any failure or malfunction of any pollution control equipment or any incident, which has caused, is causing or may cause pollution.	Part A: As soon as practicable but no later than 5pm of the next working day Part B: As soon as practicable	N1

Note 1: No notification requirement in the Licence shall negate the requirement to comply with s72 of the Act.
Note 2: Forms are in Schedule 2
Note 3: The following information shall be included:
(i) when desludging is proposed to occur,
(ii) the desludging method,
(iii) action to mitigate potential odour impacts, and
(iv) the method by which the community will be advised of the desludging activities.

Definitions

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

Table 9: Definitions

Term	Definition
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 July the previous year and ending on 30 June in that year
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 5667.11	means the Australian Standard AS/NZS 5667.11 *Water Quality – Sampling – Guidance on sampling of groundwaters*
Averaging period	means the time over which a limit or target is measured or a monitoring result is obtained;
Audit	An assessment by the licence holder of its performance against each licence condition to determine whether it is compliant
Books	has the same meaning given to that term under the EP Act
Category/ Categories/ Cat.	categories of Prescribed Premises as set out in Schedule 1 of the EP Regulations
CEO	means Chief Executive Officer of the Department. "submit to / notify the CEO" (or similar), means either: Director General Department administering the *Environmental Protection Act 1986* Locked Bag 10 Joondalup DC WA 6919 or: info@dwer.wa.gov.au
controlled waste	has the definition in *Environmental Protection (Controlled Waste) Regulations 2004*
Delegated Officer	an officer under section 20 of the EP Act
Department	means the department established under section 35 of the *Public Sector Management Act 1994* (WA) and designated as responsible for

Term	Definition
	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
DWER	Department of Water and Environmental Regulation
Emission	has the same meaning given to that term under the EP Act
EP Act	*Environmental Protection Act 1986* (WA)
EP Regulations	*Environmental Protection Regulations 1987* (WA)
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
Freeboard	means the distance between the maximum water surface elevations and the top of retaining banks or structures at their lowest point
Fugitive emissions	means all emissions not arising from point sources identified in monitoring section
Guidelines for Biosolids Management	means the document Department of Environment and Conservation, 2012, *Western Australian Guidelines for biosolids management*, Government of Western Australia.
Inform and advise	means advise by telephone, e-mail or facsimile, respectively
Hardstand	means a surface with a permeability of 10^{-9} metres/second or less
HDPE	means high density polyethylene
Leachate	means liquid released by or water that has percolated through waste and which contains some of the waste constituents
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	Shire of Esperance
NATA	means National Association of Testing Authorities, Australia
NATA accredited	means in relation to the analysis of a sample that the laboratory is NATA accredited for the specified analysis at the time of the analysis
Prescribed Premises	has the same meaning given to that term under the EP Act
Process equipment	means any wastewater or sludge containment infrastructure or wastewater treatment vessel
Quarterly	means the 4 inclusive periods from 1 January to 31 March, 1 April to 30 June, 1 July to 30 September and 1 October to 31 December

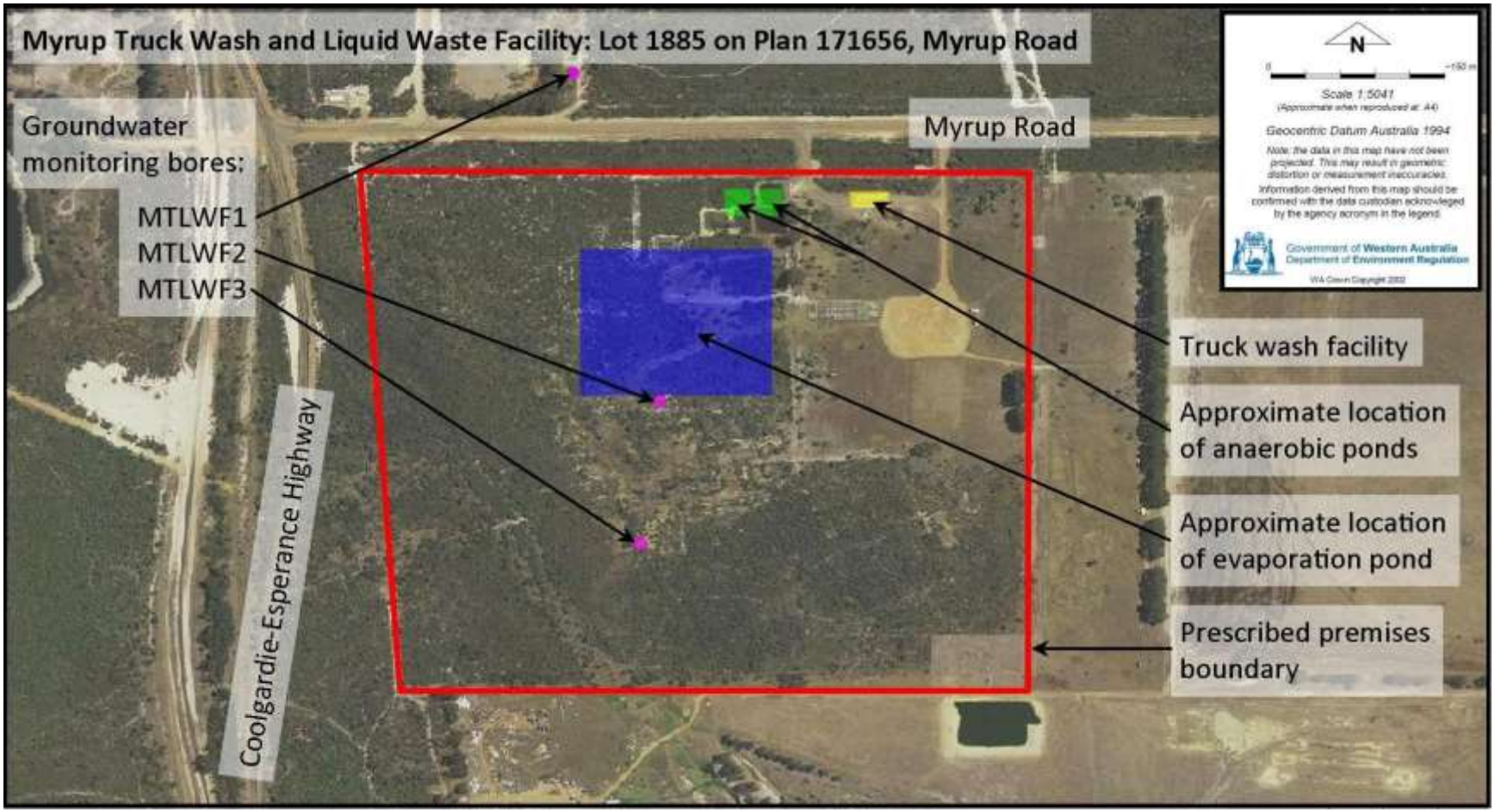
Term	Definition
Schedule 1	means Schedule 1 of this Licence unless otherwise stated
Schedule 2	means Schedule 2 of this Licence unless otherwise stated
Spot sample	means a discrete sample representative at the time and place at which the sample is taken
Waste Code	means the Waste Code assigned to a type of controlled waste for purposes of waste tracking and reporting as specified in the Department of Environment Regulation “Controlled Waste Category List” (July 2014), as amended from time to time
Wastewater treatment vessel	means any vessel or tank containment infrastructure associated with the treatment of wastewater and includes, but not limited to, anaerobic ponds and evaporation ponds.

END OF CONDITIONS

Schedule 1: Maps

Premises map

Figure 1: The Premises are shown in the map below.



Premises layout

Figure 2: The infrastructure layout is shown in the map below

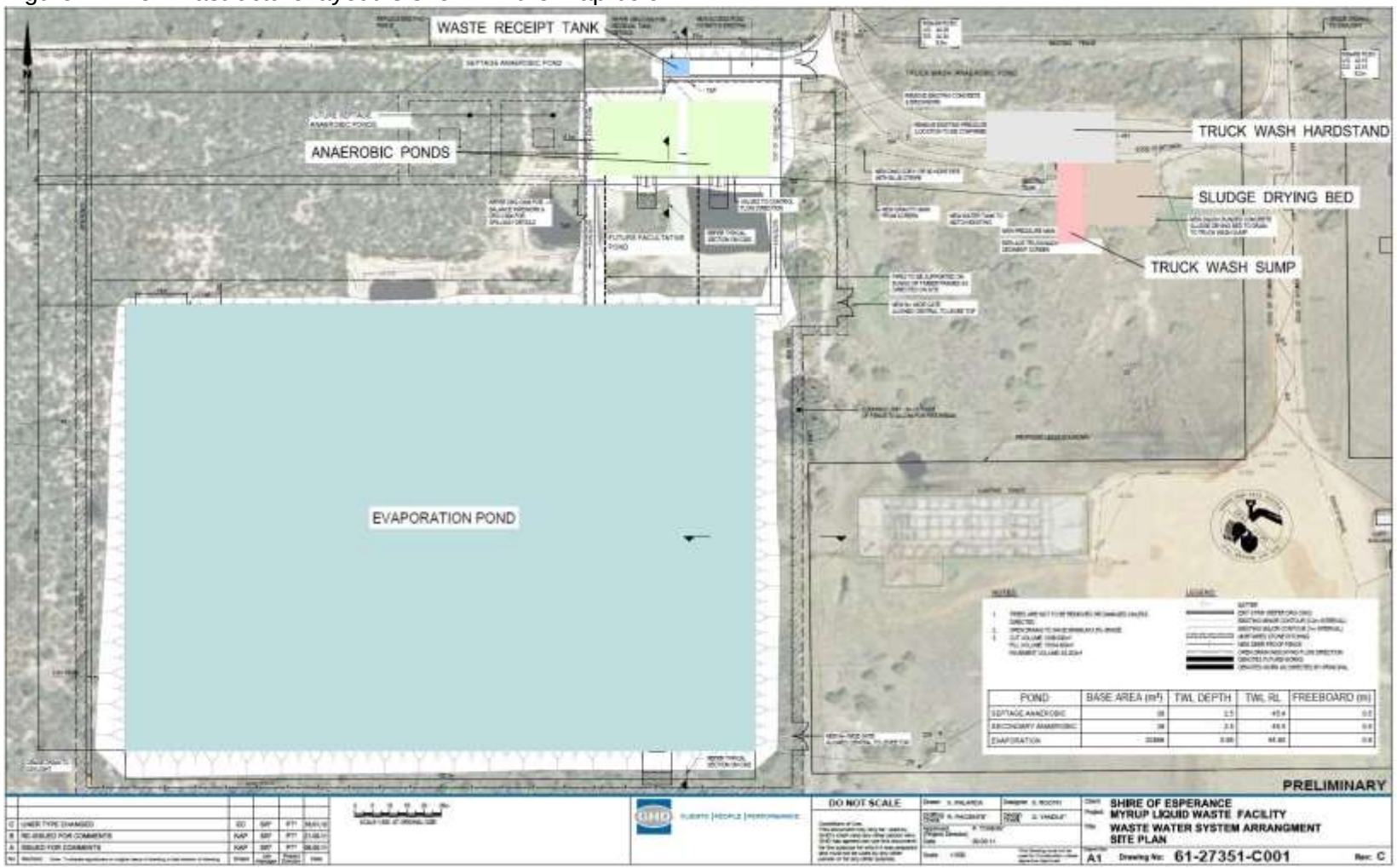
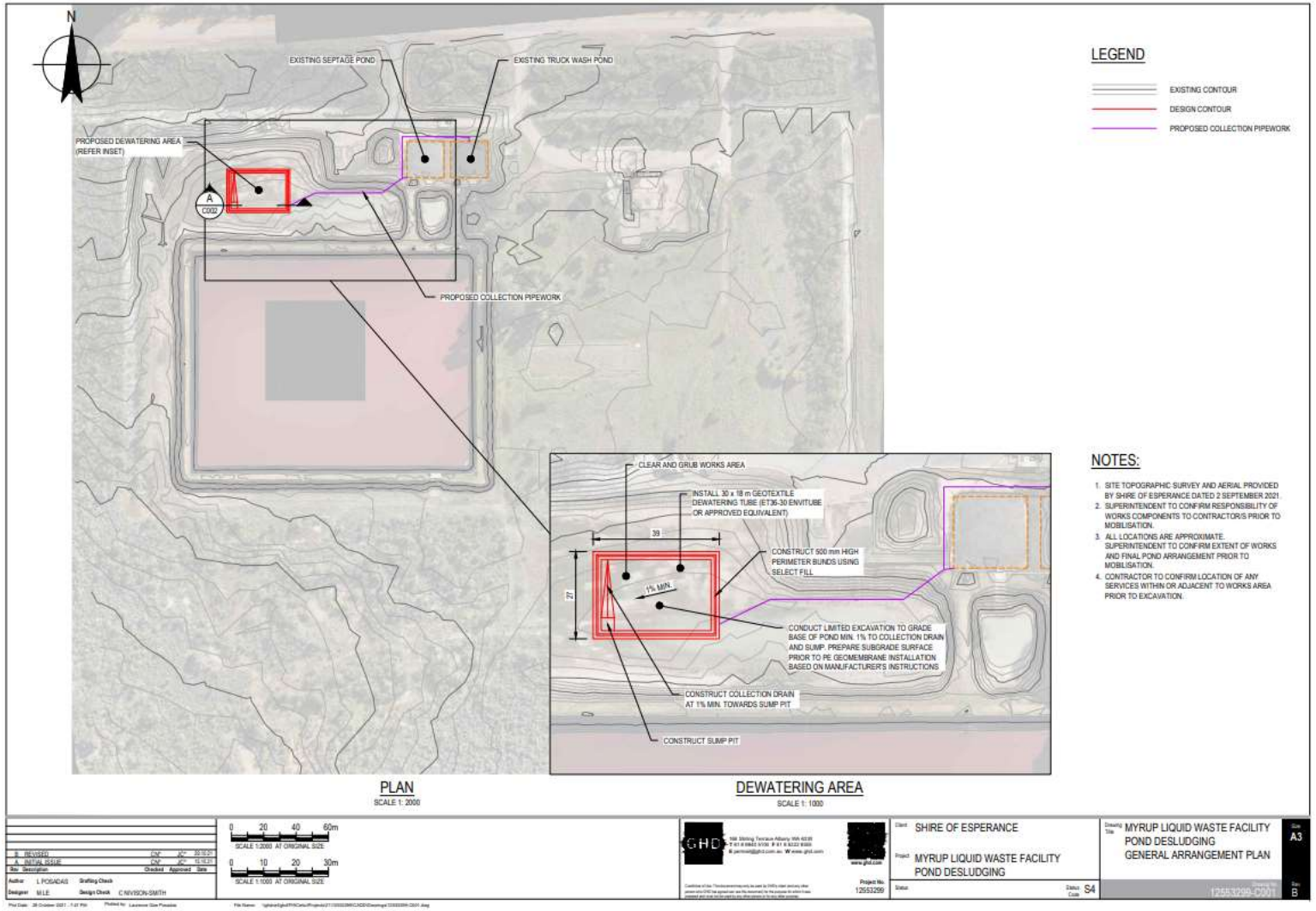


Figure 3: The geo-tube dewatering area is shown in the map below:



Schedule 2: Notification & Forms

Licence: L8793/2013/1 Licence holder: Shire of Esperance
Form: N1 Date of breach:

Notification of detection of the breach of a limit.

These pages outline the information that the operator must provide.
Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

Part A

Licence Number	
Name of operator	
Location of Premises	
Time and date of the detection	

Notification requirements for the breach of a limit	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Part B

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident.	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission.	
The dates of any previous N1 notifications for the Premises in the preceding 24 months.	

Name	
Post	
Signature on behalf of Shire of Esperance	
Date	