



Licence number	L6092/1972/11
Licence holder	Nufarm Australia Limited
ACN	004 377 780
Registered business address	103 – 105 Pipe Road LAVERTON NORTH VICTORIA 3026
DWER file number	DER2015/002191-1~4
Duration	14 October 2014 to 13 October 2026
Date of issue	13 October 2014
Date of amendment	14 June 2024
Premises details	Nufarm Australia Limited 1 Mason Road KWINANA BEACH WA 6167 Legal description - Being part Lot 51 on Diagram 46722 KWINANA BEACH WA 6167 As depicted in the premises map provided in Schedule 1

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production capacity
Category 32: Pesticides manufacturing: premises on which herbicides, insecticides, or pesticides are manufactured by a chemical process.	125,000 tonnes per annual period

This licence is granted to the licence holder, subject to the attached conditions, on 14 June 2024, by:

Amine Fisher

MANAGER PROCESS INDUSTRIES

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

Licence: L6092/1972/11 (as amended 14/06/2024)

File number: DER2015/002191-1~4

Licence history

Date	Reference number	Summary of changes
30/09/2000	L6092/1972/4	Reissue of licence.
14/10/2001	L6092/1972/5	Reissue of licence.
14/10/2002	L6092/1972/6	Reissue of licence.
14/10/2002	L6092/1972/7	Reissue of licence.
14/10/2003	L6092/1972/8	Reissue of licence.
14/10/2004	L6092/1972/9	Reissue of licence.
8/10/2009	L6902/1972/10	Reissue of licence.
13/10/2014	L6902/1972/11	Reissue of licence.
2/03/2015	W5780/2014/1	BIPs Plant installation.
7/10/2015	W5853/2015/1	Esterification Wastewater treatment plant installation.
29/04/2016	L6902/1972/11	Amendment notice issued to extend licence expiry date to 3 October 2026.
14/06/2024	L6902/1972/11	Licence amendment to incorporate 3 October 2026 expiry date and remove references to redundant monitoring bores (No. 7 and No. 8)

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:

General conditions

1. The licence holder shall operate and maintain all pollution control and monitoring equipment to the manufacturer's specifications or any relevant and effective management system.
2. The licence holder shall immediately recover, or remove and dispose of, spills of environmentally hazardous materials outside of an engineered containment system.

Emissions

General

3. The licence holder shall record and investigate the exceedance of any descriptive or numerical limit specified in any condition of this licence.

Point source emissions to air

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

Table 1: Emission points to air.

Emission point reference on map of emission points (Figure 2)	Emission point reference	Emission point	Source (including any abatement)
A1	S1-SC-01	Synthesis #1 stack	Glyphosate Synthesis via Wet Scrubber
A2	S2-SC-01	Synthesis #2 stack	Esterification Synthesis via Wet Scrubber
A3	S3-SC-03	Synthesis #3 stack	Trifluralin melting fume and neutralisation tank via Wet Scrubber
A4	B	Boiler stack	Boiler which uses natural gas
A5	F1-SC-01	Formulation #1 vent stack	Formulation #1 area via an activated carbon column
A6	F2-SC-01	Formulation #2 vent stack	Formulation #2 area via an activated carbon column
A7	BI-SC-28	BIP formulation plant vent stack	BIP formulation via wet scrubber

Emissions to land

5. The licence holder shall ensure that where waste is emitted to land from the emission points in Table 2, it is done so in accordance with the conditions of this licence.

Table 2: Emissions to land.

Emission point reference on map of emission points (Figure 2)	Description	Source (including abatement)
L1	Infiltration pond	Stormwater and process wastewater after treatment via the onsite wastewater treatment plant.

6. The licence holder shall not cause or allow emissions to land that do not meet the limits listed in Table 3.

Table 3: Emission limits to land.

Emission point reference	Parameter	Limit (including units)	Averaging period
L1	pH	5-9	Each batch of wastewater discharged to infiltration pond
	Total dissolved solids	< 2000 mg/L	
	Anionic surfactants (as MBAs)	< 5 mg/L	
	Total Phenols	< 1.0 mg/L	
	Herbicides and fungicides manufactured or processed onsite, including but not limited to: <ul style="list-style-type: none"> • Triazine compounds (Atrazine, Simazine and Terbutryne), • Trifluralin, • 2,4-D, and • Diuron 	< 10 times the concentrations given in the NHMRC, NRMCC (2011) Australian Drinking Water Guidelines	

Monitoring

General monitoring

7. The licence holder shall ensure that:
- (a) All water samples are collected and preserved in accordance with AS/NZS 5667.1,
 - (b) all wastewater sampling is conducted in accordance with AS/NZS 5667.10,
 - (c) all groundwater sampling is conducted in accordance with AS/NZS 5667.11, and
 - (d) 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 relevant table.
8. The licence holder shall ensure that:
- (a) monthly monitoring is undertaken at least 15 days apart,
 - (b) six-monthly monitoring is undertaken at least 5 months apart, and
 - (c) annual monitoring is undertaken at least 9 months apart.

Monitoring emissions to land

9. The licence holder shall undertake the monitoring in Table 4 according to the specifications in that table.

Table 4: Monitoring of emissions to land.

Emission point reference	Parameter ¹	Units	Frequency
L1	Total volume	m ³	Each batch of wastewater discharge to infiltration pond
	pH	n/a	
	Total dissolved solids	mg/L	
	Anionic surfactants (as MBAs)		
	Total Phenols		
	Herbicides and fungicides manufactured or processed onsite, including but not limited to: <ul style="list-style-type: none"> • Triazine compounds (Atrazine, Simazine and Terbutryne), • Trifluralin, • 2,4-D, and • Diuron 		
	2-EH		
	MCPA		

Note 1: Sampling may be done by staff of Nufarm Australia Limited.

Ambient environmental quality monitoring

10. The licence holder shall undertake the monitoring in table according to the specifications in that table and record and investigate results that do not meet any limit specified.

Table 5: Monitoring of ambient groundwater quality.

Monitoring point reference location	Parameter	Units	Averaging period	Frequency
Bore No. 1, Bore No. 2, Bore No. 3, Bore No. 4, Bore No. 5, and Bore No. 6 (as depicted in Figure 2)	Standing water level	m(AHD)	Spot sample	Monthly
	pH	n/a		Annual
	Electrical conductivity	µS/cm		Six-monthly
	Total recoverable hydrocarbons	mg/L		
	Total Phenols			
	Anionic surfactants (as MBAs)			Annual
	Atrazine			
	Simazine			
	MCPA			
	2,4-D			
	2,4,5-T			
	2,4,6-T			
	Dicamba			
	Diuron			
	Molinate			
Fluometuron				
Prometryn				

Monitoring point reference location	Parameter	Units	Averaging period	Frequency
	Trifluralin			
	Terbutryn			
	Total Dissolved Solids			
	Total Suspended Solids			
	Glyphosate			
	2 -EH			

Information

Records

11. 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.
12. 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 60 days after the end of that annual period an Annual Audit Compliance Report in the approved form.
13. 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) any maintenance of infrastructure that is performed in the course of complying with conditions 1 and 2 of this licence,
 - (c) monitoring programmes undertaken in accordance with conditions 9 and 10 of this licence, and
 - (d) complaints received under condition 11 of this licence.
14. The books specified under condition 13 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.

Reporting

15. The licence holder shall submit to the CEO an Annual Environmental Report within 28 calendar days after the end of the annual period. The report shall contain the information listed in Table 6 in the format or form specified in that table.

Table 6: 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
Table 4: Monitoring of emissions to land.	Results of the sampling of all batches of water discharged into the infiltration pond L1	None specified
Table 5: Monitoring of ambient groundwater quality.	Groundwater monitoring results	None specified
12	Compliance	Annual Audit Compliance Report (AACR)
11	Complaints summary	None specified

16. The licence holder shall ensure that the Annual Environmental Report also contains an assessment of the information contained within the report against previous monitoring results and licence limits.
17. The licence holder shall submit the information in Table 7 to the CEO according to the specifications in that table.

Table 7: Non-annual reporting requirements.

Condition or table (if relevant)	Parameter	Reporting period	Reporting date (after end of the reporting period)	Format or Form
-	Copies of original monitoring reports submitted to the licence holder by third parties	Not applicable	Within 14 days of the CEO's request	As received by the licence holder from third parties

Notification

18. The licence holder shall ensure that the parameters listed in Table 8 are notified to the CEO in accordance with the notification requirements of the table.

Table 8: Notification requirements.

Condition or table (if relevant)	Parameter	Notification requirement	Format or Form ¹
Condition 6 Table 3	Breach of any limit specified in the licence.	Part A: As soon as practicable but no later than 5pm of the next usual working day. Part B: As soon as practicable	N1

Note 1: Form provided in Schedule 2.

Definitions

In this licence, the terms in Table 9 have the meanings defined.

Table 9: Definitions

Term	Definition
Act	means the <i>Environmental Protection Act 1986</i> .
ACN	means Australian Company Number.
AHD	means the 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 until 30 June of the immediately following year.
AS/NZS 5667.1	means the <i>Australian Standard AS/NZS AS/NZS 5667.1:1998 Water quality — Sampling, Part 1: Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples</i> .
AS/NZS 5667.10	means the <i>Australian Standard AS/NZS 5667.10:1998 Water Quality – Sampling, Part 10: Guidance on sampling of waste waters</i> .
AS/NZS 5667.11	means the <i>Australian Standard AS/NZS 5667.1: 1998 Water Quality – Sampling, Part 11: Guidance on sampling of groundwaters</i> .
averaging period	means the time over which a limit or target is measured, or a monitoring result is obtained.
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: info@dwer.wa.gov.au
department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> (WA) 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.
emission	has the same meaning given to that term under the EP Act.

Term	Definition
EP Act	means the <i>Environmental Protection Act 1986 (WA)</i>
EP Regulations	means the <i>Environmental Protection Regulations 1987 (WA)</i>
hardstand	means a constructed surface with a coefficient of permeability of $\leq 1 \times 10^{-9}$ metres/second.
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.
MBA	means Methylene Blue Active substance.
NATA	means the 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.
NHMRC, NRMCC (2011) Australian Drinking Water Guidelines	means the NHMRC, NRMCC (2011) <i>Australian Drinking Water Guidelines Paper 6 National Water Quality Management Strategy</i> . National Health and Medical Research Council and Natural Resource Management Ministerial Council, Commonwealth of Australia, Canberra (Version 2.0, Updated December 2013) or the most current version.
normal operating conditions	means any operation of a particular process (including abatement equipment) excluding start-up, shutdown, and upset conditions, in relation to stack sampling or monitoring.
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 (Figure 1) in Schedule 1 to this licence.
prescribed premises	has the same meaning given to that term under the EP Act.
quarterly	means the 4 inclusive periods from 1 April to 30 June, 1 July to 30 September, 1 October to 31 December and in the following year, 1 January to 31 March.
shutdown	means the period when plant or equipment is brought from normal operating conditions to inactivity.
six-monthly	means the 2 inclusive periods from 1 April to 30 September and 1 October to 31 March in the following year.
spot sample	means a discrete sample representative at the time and place at which the sample is taken.

Term	Definition
startup	means the period when plant or equipment is brought from inactivity to normal operating conditions.
USEPA	means United States (of America) Environmental Protection Agency.
usual working day	means 0800 – 1700 hours, Monday to Friday excluding public holidays in Western Australia.
µS/cm	means microsiemens per centimetre.
waste	has the same meaning given to that term under the EP Act.

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.

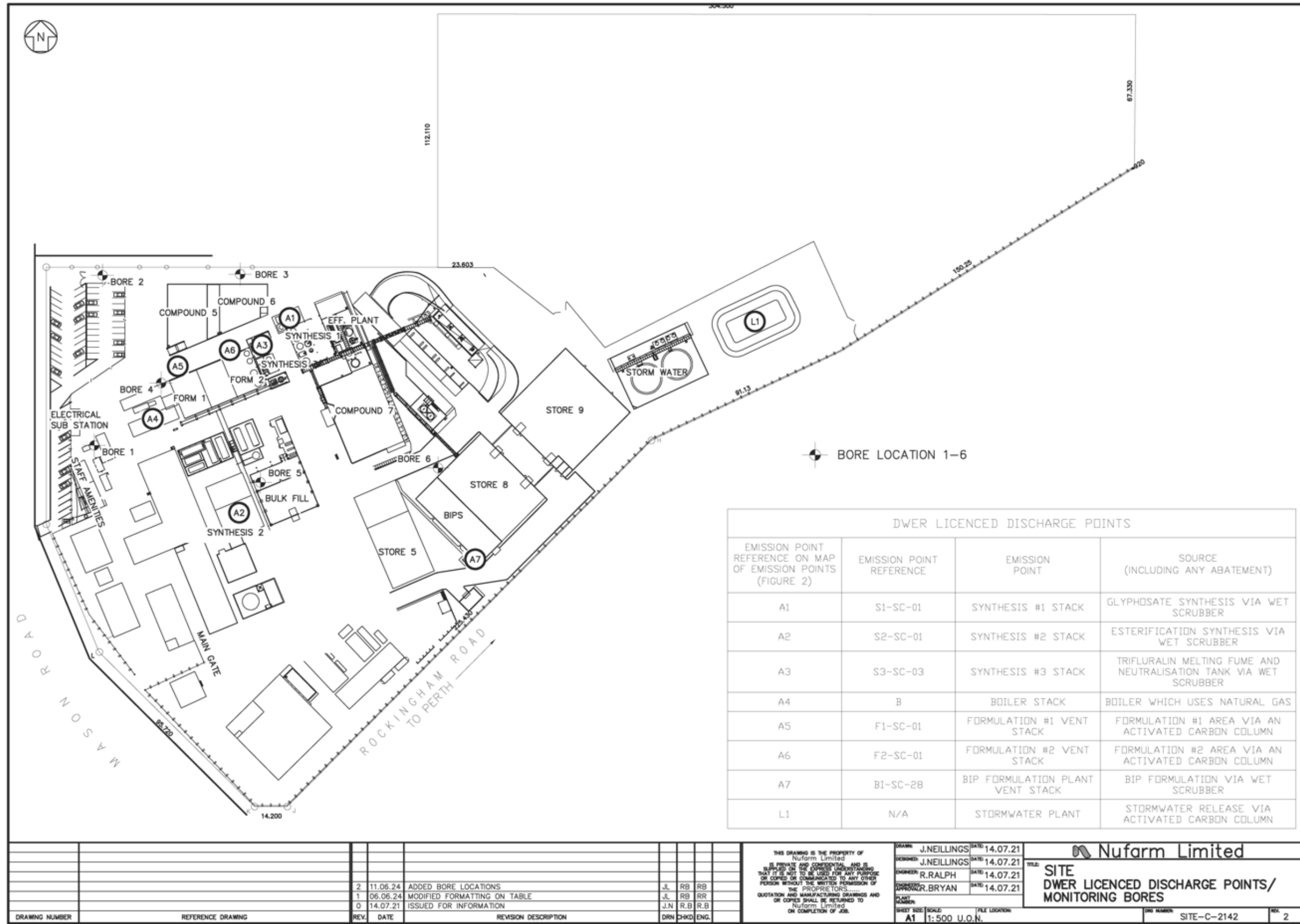


Figure 2: Map of monitoring and emission point locations.

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Schedule 2: Reporting and notification forms

Licence:

Licence holder:

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	
Licence holder	
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 of behalf of.	
Date.	