2023-2024 Annual Review

Narrandera Poultry Production Complex

ProTen Limited

PO Box 1746O Box 1746
North Sydney NSW 2060

Prepared by:

SLR Consulting Australia

SLR Project No.: 630.V14117.00001

30 July 2024

Revision: 1

Revision Record

Revision	Date	Prepared By	Checked By	Authorised By
1	30 July 2024	Sean Wilson	Stephen Shoesmith/ Sam McDonald	Stephen Shoesmith
	Click to enter a date.			

Basis of Report

This report has been prepared by SLR Consulting Australia (SLR) with all reasonable skill, care and diligence, and taking account of the timescale and resources allocated to it by agreement with ProTen Limited (the Client). Information reported herein is based on the interpretation of data collected, which has been accepted in good faith as being accurate and valid.

This report is for the exclusive use of the Client. No warranties or guarantees are expressed or should be inferred by any third parties. This report may not be relied upon by other parties without written consent from SLR.

SLR disclaims any responsibility to the Client and others in respect of any matters outside the agreed scope of the work.

Annual Review Title Block

Name of Operation	Narrandera Poultry Production Complex
Name Of Operator	ProTen Limited Pty Ltd
Development Consent / Project Approval #	SSD 6882 & 6882 MOD 1
Name Of Holder of Development Consent / Project Approval	ProTen Limited Pty Ltd
Water Licence #	WAL 11788
Name Of Holder of Water Licence	ProTen Holdings Pty Ltd
Annual Review Start Date	22 April 2023
Annual Review End Date	21 April 2024

I, James Wentworth, certify that this audit report is a true and accurate record of the compliance status of the Narrandera Poultry Production Farm for the period between 22 April 2023 and 21 April 2024 and that I am authorised to make this statement on behalf of ProTen Limited.

Note.

a) *The Annual Review is an 'environmental audit' for the purposes of section 122B(2) of the Environmental Planning and Assessment Act 1979. Section 122E provides that a person must not include false or misleading information (or provide information for inclusion in) an audit report produced to the Minister in connection with an environmental audit if the person knows that the information is false or misleading in a material respect. The maximum penalty is, in the case of a corporation, $1 million and for an individual, $250,000.*

b) *The Crimes Act 1900 contains other offences relating to false and misleading information: section 192G (Intention to defraud by false or misleading statement—maximum penalty 5 years imprisonment); sections 307A, 307B and 307C (False or misleading applications/information/documents—maximum penalty 2 years imprisonment or $22,000, or both).*

Name of authorised reporting officer	James Wentworth
Title of authorised reporting officer	Chief Executive Officer
Signature of authorised reporting officer	
Date	30/07/2024

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Acronyms and Abbreviations

DPE	Department of Planning and Environment (now DPHI)
DPHI	Department of Planning Housing and Infrastructure
EAR	Environmental Assessment Report
EIA	Environmental Impact Assessment
EMP	Environment Management Plan
EMS	Environment Management Strategy
EPA	NSW Environmental Protection Authority
EP&A	Environmental Planning and Assessment
IEA	Independent Environmental Audit
MOD1	Modification 1 consent for SSD 6882
NSW	New South Wales
RFI	Request for Further Information
EAR	Environmental Assessment Report
EIA	Environmental Impact Assessment

1.0 Statement of Compliance

A summary of compliance at ProTen's Narrandera Poultry Production Farm (ProTen Narrandera, the Development) during the reporting period is provided in **Table 1**.

Table 1: Statement of Compliance

Were All Conditions of The Relevant Approval(S) Complied With?	Yes/No
Development Consent – SSD 6882	No
Environment Protection Licence – EPL 20748	No
Water Access Licence – WAL 11788	Yes

Table 2 summarises the non-compliances during the reporting period with the non-compliance categories described in **Table 3**.

Table 2: Non-Compliance

Relevant Approval	Condition Description Summary	Compliance Status	Comment	Where Addressed
SSD 6882 Condition A2	ProTen will operate generally in accordance with the predictions contained within the overall development application and associated documentation	Non-Compliant	Piezo 1, 2 & 3 registered between 2.0m-3.1m reduction in Standing Water Level during the September 2023 sampling event and has therefore exceeded the 2m trigger level from baseline average outlined in the WMP.	Section 7 & 10
Water Management Plan (Surface Water and Groundwater Response Plan)	The Surface Water and Groundwater Response Plan within the Water Management Plan will be followed if quality or quantity/level triggers identified in the Water management Plan are triggered.	Non-Compliant		
SSD 6882 Condition B45	The surface water quality limits were exceeded on 23 September 2023	Non-Compliant	Exceedance of surface water triggers for Total Nitrogen (mg/L), Nitrate/Nitrite as N (mg/L) and total Phosphorous (mg/L) were exceeded at sediment dams. PPU 1, PPU2, PPU3, PPU4 and PPU5 in September 2023.Note the revised WMP is under assessment by DPHI (former DPE).	Section 7 & 10
Section 9 Water Management Plan	The surface water quality limits and ground water piezo drawdown criteria were exceeded.	Non-Compliant	Piezo 1, 2 & 3 registered between 2.0m-3.1m reduction in Standing Water Level during the September 2023 sampling event and has therefore exceeded the 2m trigger level from baseline average outlined in the WMP.	Section 7 & 10

Relevant Approval	Condition Description Summary	Compliance Status	Comment	Where Addressed
SSD 6882 Condition C10	Within seven (7) days of the detection of the incident, the Applicant shall provide the Secretary and any relevant agencies with a detail report on the incident	Non-Compliant	23 October 2023 Monitoring reports indicated surface water triggers for Total Nitrogen (mg/L), Nitrate/Nitrite as N (mg/L) and Total Phosphorous (mg/L) were exceeded at sediment dams. PPU 1, PPU2, PPU3, PPU4 and PPU5. Additionally, the groundwater results indicated the drawdown criteria of – 2 m was exceeded at Piezo1 Deep, Piezo 2 Deep and Piezo 3 Deep. DPE, EPA and NRAR were all notified accordingly 17 November 2023	Section 7 & 10
SSD 6882 Condition A6 (d) EPL 20748 Condition O.4.1	The commencement of broiler population for each PPU is separated by a minimum of 36 hours.	Non-Compliant	ProTen has been granted for a modification to SSD 6882 to delete Condition A6 (d) hence the non-compliance in regard to the Consent SSD 6882 ceased 21/4/24 with the approval of MOD1. The EPL variation request was submitted on 1/07/2024 to match the MOD1 changes.	Section 4 and Section 10
SSD 6882 Condition A6 (e)	The time period for the population of the entire farm (all five PPUs) shall be a minimum of 10 days.	Non-Compliant	ProTen has been granted for a modification to SSD 6882 to delete Condition A6 (e) hence the non-compliance ceased 21/4/24 with the approval of MOD1.	Section 4 and Section 10
SSD 6882 Condition A9	ProTen to engage certifiers and pursue an occupation certificate retrospectively for the re-constructed Shed 3 after fire damage.	Non-Compliant	ProTen to obtain and supply Certification for Shed 3 re-build.	Section 4 & 10
SSD 6882 Condition C7(a)	Strategies, plans and programs must be reviewed and if necessary revised following submission of an Annual Review.	Non-Compliant	WMP has been updated, ProTen have confirmed OEMP will be updated by 02/08/24	Section 10

Relevant Approval	Condition Description Summary	Compliance Status	Comment	Where Addressed
SSD 6882 Condition B16	Failure to re-signed the Drivers Code of Conduct/Driver Inductions annually in the online induction system, and keep these records easily accessible.	Non-Compliant	ProTen to require the Drivers Code of Conduct/Driver Inductions to be re-signed annually in the online induction system or amend Traffic Management Plan to delete the requirement, the CEMP and Traffic Management Plan by 02/08/24.	Section 10
SSD 6882 Condition C1	Failure to provide records as evidence of implementing the CEMP during the construction of Shed 3 and the office.	Non-Compliant	ProTen to update the CEMP and Traffic Management Plan by 02/08/24.	Section 3 & 10
EPL 20748 Condition A1.1	This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation. Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition.	Non-Compliant	Non-compliance with operational limits prior to 28 June 2023, with the accommodation capacity was limited to > 1000-3000 T accommodation capacity. Exceedances in the total population meant this limit was exceeded. ProTen applied to vary the EPL with the EPA on 24-May-2023 to address the non-compliance with the accommodation limit of 1000-3000 T. The EPL was varied on 28-Jun-2023. Therefore, from 28-June-2023 onwards Narrandera is compliant with the accommodation limit shown here in Condition A1.1.	Section 3 & 10

Table 3: Compliance Status Categories

Risk Level	Colour Code	Description
High	Non-Compliant	Non-compliance with potential for significant environmental consequences, regardless of the likelihood of occurrence.
Medium	Non-Compliant	Non-compliance with potential for serious environmental consequences but is unlikely to occur; or potential for moderate environmental consequences but is likely to occur.
Low	Non-Compliant	Non-compliance with potential for moderate environmental consequences but is unlikely to occur; or potential for low environmental consequences but is likely to occur.
Administrative Non-compliance	Non-Compliant	Non-compliance which does not result in any risk of environmental harm.

2.0 Introduction

2.1 Overview

ProTen Narrandera was granted Development Consent, State Significant Development (SSD) 6882 on 9 November 2015 by the Planning Assessment Commission of NSW (PAC) for the construction and operation of a Poultry Production Farm located approximately 26 kilometres (km) west of Narrandera in south-western New South Wales (NSW) (see **Figure 1**). ProTen Narrandera is situated on approximately 1,160 hectares (ha) of rural land positioned off the Sturt Highway within the Narrandera local government area (LGA).

ProTen Narrandera commenced construction on 14 December 2015, with construction being completed on 22 October 2017. The Development comprises five poultry production units (PPU), where broiler birds are grown for human consumption (see **Figure 2**). Each PPU comprises 16 tunnel-ventilated fully enclosed climate- controlled poultry sheds, with associated support infrastructure and staff amenities (see **Figure 3**).

Additionally, ProTen Narrandera was granted a Modification to the Development Consent SSD 6882 on 21 March 2024 by the Department of Planning Housing and Infrastructure (DPHI). This modification (MOD 1) permits an increase to the total development population of broilers, alterations to the bird placement regime and access and use of A-Double Heavy Vehicles. This Annual Review details the environmental performance of ProTen Narrandera for the twelve-month reporting period from 22 April 2023 to 21 April 2024. This reporting period has been approved by the Department of Planning and Environment (DPE) (now DPHI) to align with the Environment Protection Licence (EPL) Annual Return period. The Annual Review has been prepared generally in accordance with the NSW Government *Annual Review Guideline* (2015), and to satisfy Schedule 4, Condition C8 of Development Consent SSD 6882.

2.2 Company Contact Details

The company contacts for this report are listed in **Table 4.**

Table 4: Company Contact Details.

ProTen Narrandera	
James Wentworth *Chief Executive Officer* Mob: 0407 936 896 Email: jamesw@proten.com.au	Kate Singh *National SHEQ Manager* Mob: 0434 550 789 Email: kates@proten.com.au

Figure 1: Development Site

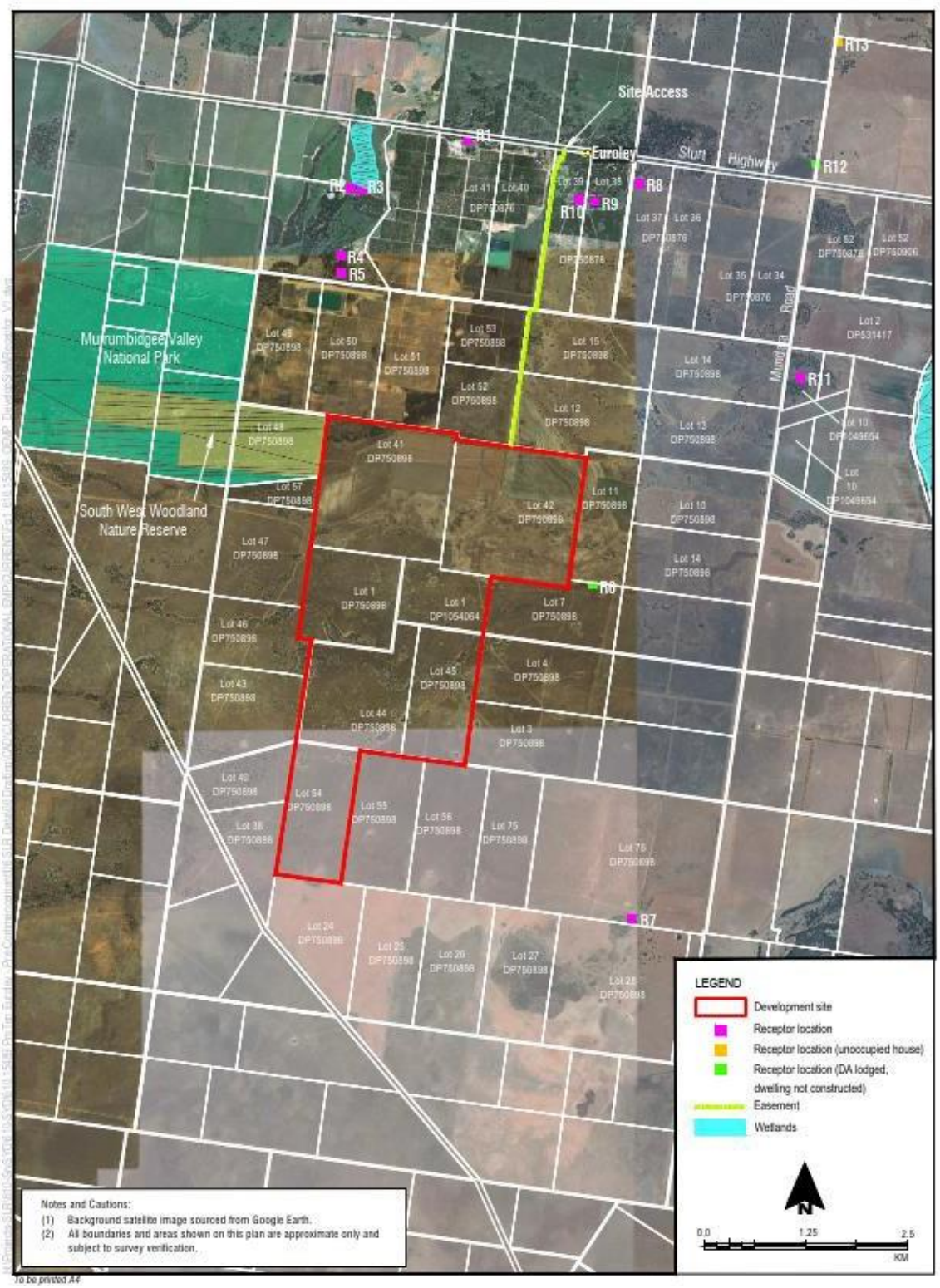


Figure 2: Site Layout

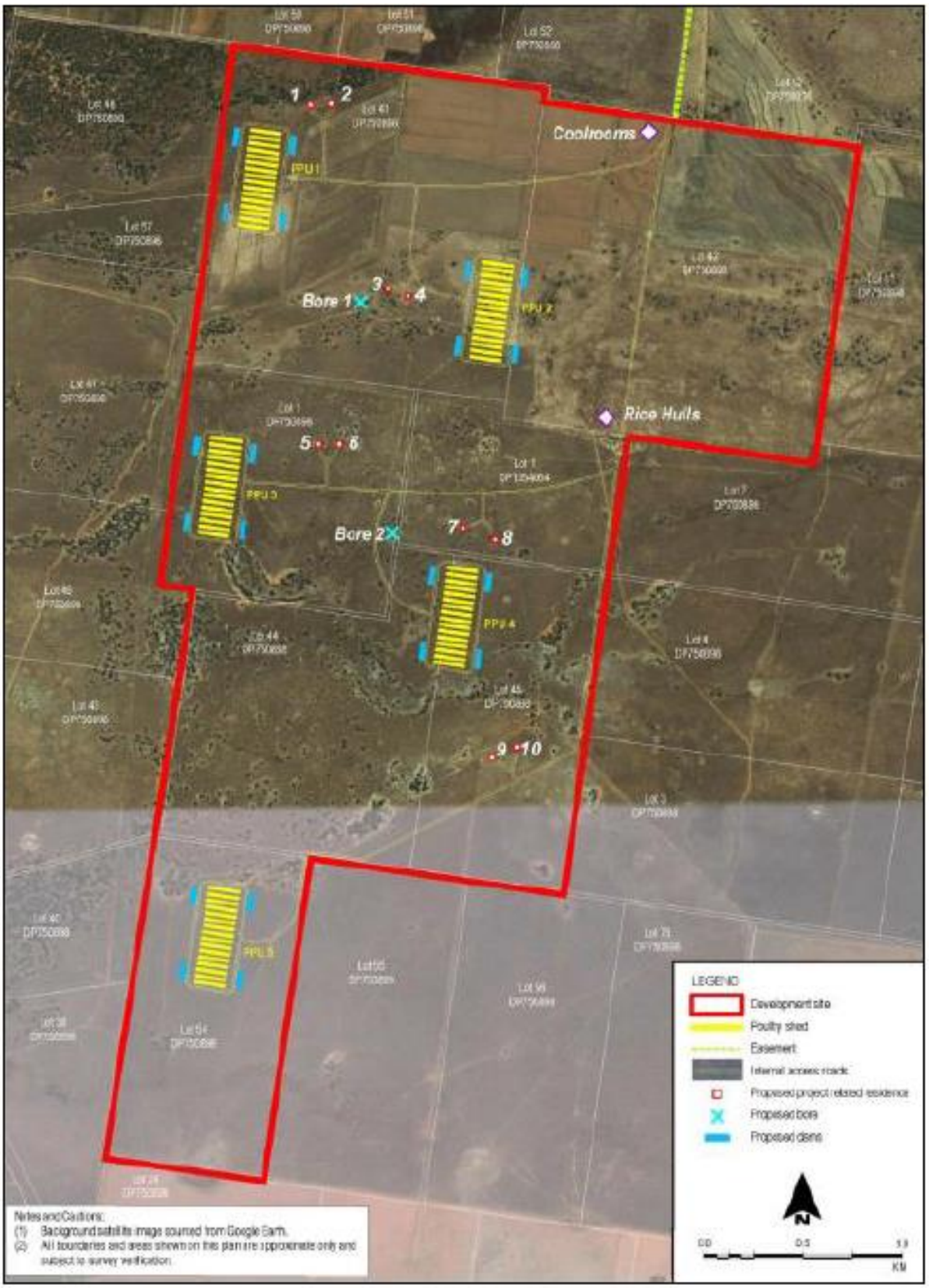
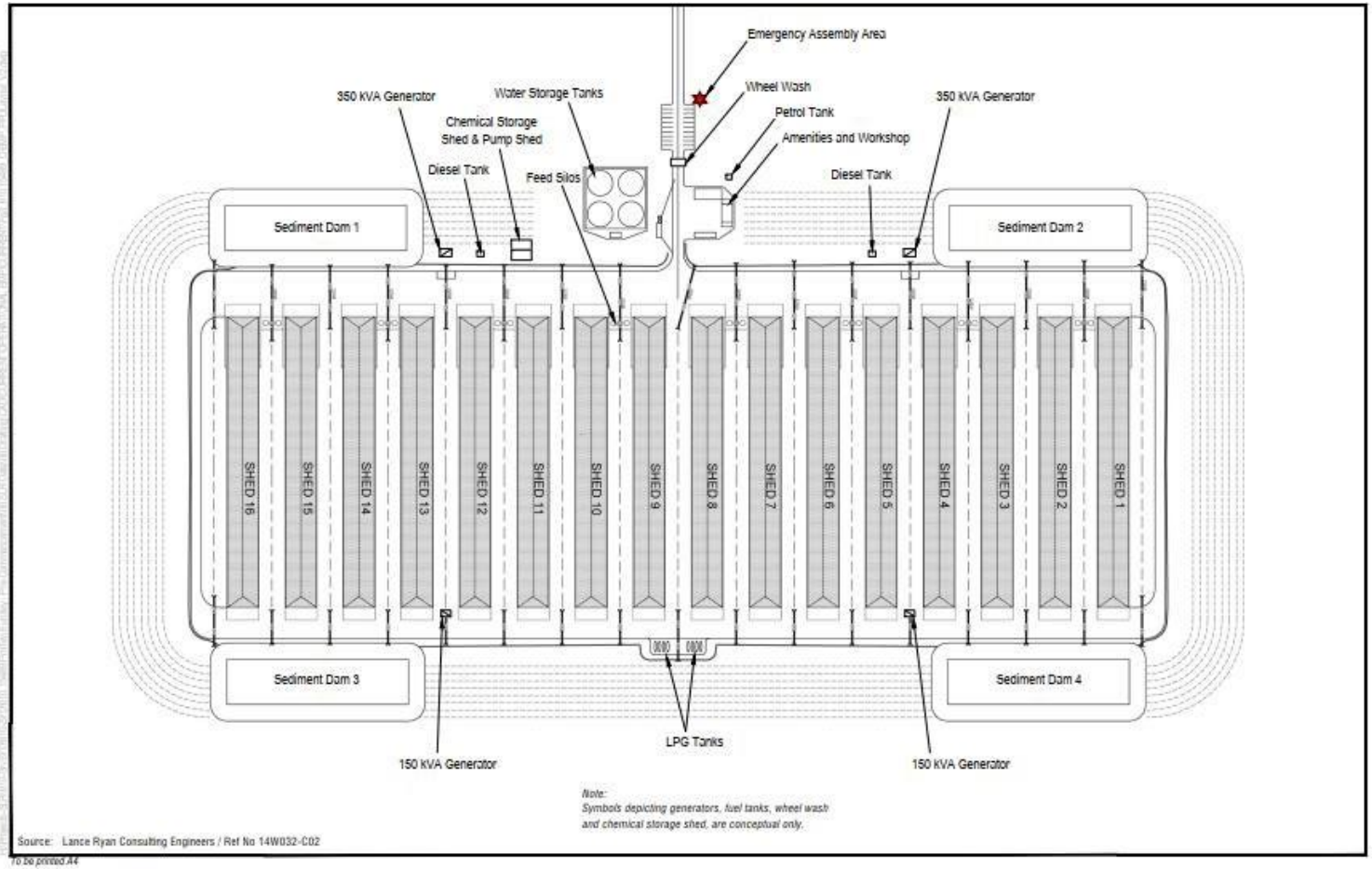


Figure 3: Poultry Production Unit Layout



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2.3 Report Scope

SLR Consulting (SLR) have been engaged by ProTen to prepare this Annual Review as required under Schedule 4, Condition C8 of SSD 6882 (see **Appendix A**). This condition imposes the requirements listed in **Table 5**.

Table 5: Compliance with Schedule 4, Condition C8 of SSD 6882

Condition Number	Condition	Section Addressed
C8	Each year, the Applicant shall review the environmental performance of the Development to the satisfaction of the Secretary. This review must:	This document
C8(a)	Describe the Development that was carried out in the previous calendar year, and the Development that is proposed to be carried out over the next year;	Section 4 and Section 11
C8(b)	Include a comprehensive review of the monitoring results and complaints records of the Development over the previous calendar year, which includes a comparison of these results against the: i. the relevant statutory requirements, limits or performance measures/criteria; ii. requirements of any plan or program required under this consent; iii. the monitoring results of previous years; and iv. the relevant predictions in the EIS.	Section 6, 7 and 10
C8(c)	Identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance;	Section 10
C8(d)	Identify any trends in the monitoring data over the life of the Development;	Section 7, Appendix D and Appendix E
C8(e)	Identify any discrepancies between the predicted and actual impacts of the Development, and analyse the potential cause of any significant discrepancies; and	Section 6 and Section 7
C8(f)	Describe what measures will be implemented over the next year to improve the environmental performance of the Development.	Section 11

This Annual Review covers the reporting period from 22 April 2023 to 21 April 2024, which correlates with the end of the reporting period for EPL 20748, and addresses all aspects listed under Condition C8 of SSD 6882.

The Annual Review has been prepared by SLR based on operational and environmental monitoring data information supplied by ProTen and various consultations with ProTen personnel.

3.0 Approvals

3.1 Overview

Table 6 provides a summary of the current statutory instruments applicable to the continuing operation of ProTen Narrandera. Further details are outlined in the following sub-sections.

Table 6: Current Consents, Licences and Approvals

Instrument	Issue Date	Regulatory Authority
Development Consent – SSD 6882		
Development Consent – SSD 6882	9 November 2015	Department of Planning and Environment (DPE)
MOD1	21 March 2024	Department of Planning Housing and Infrastructure (DPHI)
Environment Protection Licence – EPL 20748		
Environment Protection Licence – EPL 20748	22 April 2016	Environment Protection Authority (EPA)
EPL Variation	28 June 2023	Environment Protection Authority (EPA)
Water Access Licence – WAL 11788		
Water Access Licence – WAL 11788	8 April 2015	Water in New South Wales (NSW)

3.2 Development Consent

ProTen Narrandera was granted Development Consent SSD 6882 on 9 November 2015 by the PAC. SSD 6882 approves the construction and operation of five PPUs, each comprising of 16 poultry sheds where broiler birds are grown for human consumption, along with associated support infrastructure.

A modified version of the Development Consent (MOD1) was submitted to DPHI during this reporting period and granted on the 21 March 2024. MOD1 approves an increase to total broiler bird population, variation to the bird placement regime and the permitted access and use of larger heavy vehicles.

A modified Development Consent SSD 6882 MOD1 was submitted to the department and approved on 21 March 2024. This modification permits an increase to the development's total broiler bird population, alterations to the bird placement regime and access and use of A-Doubles Heavy Vehicles.

A copy of SSD 6882 is attached as **Appendix A**.

3.3 Environment Protection Licence

ProTen Narrandera is a premises-based activity under Schedule 1 of the *Protection of the Environment Operations Act 1997* (POEO Act) as the complex holds more than 250,000 birds at any one time. As a result, ProTen Narrandera was required to obtain an EPL. EPL 20748 was issued by the EPA on 22 April 2016. ProTen applied to vary the EPL on 24 May 2023 to address the non-compliance with the accommodation limit of 1000-3000 T. EPL 20748 was varied on 28 June 2023 and is attached as **Appendix B.** It is noted that an EPL

variation request was lodged on 1 July 2024 to match the relevant changes to SSD 6882 approved by MOD1.

3.4 Water Access Licence

Water Access Licence (WAL) 11788 was granted by the then Department of Primary Industries – Water (now Water NSW) on 8 April 2015 permitting the extraction of 488 megalitres (ML) per year from the two groundwater production bores installed at the site (see **Figure 2**).

These bores access the Deep Aquifer (Calivil Formation) in accordance with the WAL conditions and are capable of a maximum pump rate of 7 ML per day. A copy of WAL 11788 is attached in **Appendix C**.

3.5 Operational Environmental Management Plan

In accordance with Schedule 4, Condition C4 of SSD 6882, an Operational Environmental Management Plan (OEMP) (SLR 2021) was prepared and approved by the DPE in February 2021. The OEMP includes:

- Driver Code of Conduct;
- Air Quality Management Plan;
- Landscaping Management Plan
- Water Management Plan;
- Waste Management Plan;
- Emergency Plan;
- Biodiversity Management Plan;
- Aboriginal Cultural Heritage Management Plan;
- Emergency Disposal Biosecurity Plan;
- Flood Emergency and Evacuation Plan; and
- Complaints and Incidents Management Strategy.

The OEMP is being updated as required by Schedule 4 Condition C7 (d) and C7A of SSD 6882 to incorporate recommendations from the document titled '*Operational Management Plan Review – SSD 6882 ProTen Narrandera Poultry Production Complex'* dated 21 June 2024 (SLR, 2024).

The OEMP establishes the framework for managing and mitigating the potential environmental impacts of ProTen Narrandera over the life of the operation. It includes performance objectives, performance indicators, management commitments/strategies, monitoring and reporting requirements and contingencies for potential environmental impacts.

4.0 Operations

4.1 Overview

ProTen Narrandera comprises five PPUs, where birds are grown for human consumption. Each PPU comprises 16 tunnel-ventilated fully enclosed climate-controlled poultry sheds, with the associated support infrastructure and staff amenities. During this reporting period ProTen Narrandera were granted a modification to the development consent which allowed for among other things an increase to total site population of broilers. As a result, site population of broilers have been approved to increase from 3.92 million broilers to 4.4608 million broilers from the 21 March 2024. The relative shed and PPU housing capacities prior and post the modification for this reporting period are summarised in **Table 7**.

ProTen Narrandera typically operates on a nine-week production cycle, with a maximum bird occupation of eight weeks and a down-time of close to one week for cleaning and sanitisation in preparation for the next batch of birds. In summary, the cycle comprises the following major steps:

1 **Delivery of Bedding Materia**l - clean and fresh bedding material, such as soft wood shavings, rice hulls or chopped straw, is delivered to the site from a storage facility near Hanwood and spread over the floor of the poultry sheds.

2 **Delivery of Chicks** - day-old chicks are delivered to the site from one of Baiada's hatchery facilities and placed onto the floor of the poultry sheds.

3 **Chick Nurturing** - chicks are nurtured and grown within the sheds, with their period of service depending on the live-weight of the birds. The desired processing age is primarily determined by customer weight specifications. This is normally achieved from five and eight weeks of age.

4 **Removal of Birds** - as the birds reach their desired slaughter weight, they are removed from the sheds and transported to Baiada's processing complex near Hanwood. Shed thinning (partial depopulation) occurs at various times during the production cycle depending on the live weight of the birds.

5 **Removal of Poultry Litter** - when all the birds have been removed after approximately eight weeks, the spent bedding material (poultry litter) is removed from the sheds and transported off-site for disposal or re- use.

6 **Cleanout** - the poultry sheds are cleaned and sanitised to reduce the risk of pathogens and disease in preparation for the next batch of chicks. Additional activities include cleaning feed pans, water lines, feed silos, fan blades and other equipment.

4.2 Operating Hours

The Development operates 24 hours a day, seven days a week with the majority of activities being carried out between 7:00 am and 7:00 pm. As the birds reach their desired processing (slaughter) weight they are removed from the sheds and transported from ProTen Narrandera. For reasons of livestock welfare, this is undertaken between 8:00 pm and 2:00 pm, when it is cooler, and the birds are more settled.

There is typically one daily shift for farm workers commencing at 7:00am and finishing at 4:00pm.

4.3 Construction and Demolition

During the reporting period the construction of a dwelling with attached garage as per DA-023-2023-2024 PAN – 398660 was issued by Narrandera Shire Council on 20 December 2023. A Construction Certificate dated 7 February 2024 confirms that that building work has been completed in accordance with the documents accompanying the application for the certificate, including modifications verified by the certifier shown on the documents, will comply with the requirements referred to in the Act, Part 6, Environmental Planning and Assessment Act 1979.

As a result of the fire in Shed 3 on 18 January 2021, Shed 3 was reconstructed. No documentation was supplied for the Annual Review (refer **Table 25**).

4.4 Production

Each PPU at Narrandera comprises 16 tunnel-ventilated fully enclosed climate-controlled poultry sheds. Until the 21 March 2024, each shed was approved to house 49,000 birds. This equated to a PPU population of 784,000 birds and a total Development population of 3.92 million birds. Following approval of MOD1 on 21 March 2024, shed housing capacity has increased to 55,750 broiler birds per shed, equating to a new PPU population of 892,000 birds and a total Development population of 4.4608 million birds.

Table 7 summarises the key elements of the Development as approved by SSD 6882.

Table 7: Summary of Development

Development Characteristic	Proposed Development
Purpose	Birds grown for human consumption
Number of PPUs	Five
Number of poultry sheds per PPU	16, each measuring 160 metres long by 17 metres wide
Total number of poultry sheds	80
Type of poultry sheds	Tunnel-ventilated, fully enclosed, climate-controlled
Hours of operation	24 hours a day, 7 days a week
Production cycle length	Approximately 9 weeks, comprising a maximum bird occupation of 8 weeks and a cleaning phase of 1 week
Number of production cycles per year	On average, approximately 5.7
SSD 6882 - 22 April 2023 to 20 March 2024	
Development Characteristic	**Proposed Development**
Maximum shed population	49,000 birds
Maximum PPU population	784,000 birds
Maximum Development population	3.92 million birds
Maximum bird density within sheds	40 kilograms per square metre (kg/m^2)
SSD 6882 (as modified) - 20 March 2024 to 22 April 2024	
Development Characteristic	**Proposed Development**
Maximum shed population	55,750 birds
Maximum PPU population	892,000 birds

Development Characteristic	Proposed Development
Maximum Development population	4.4608 million birds
Maximum bird density within sheds	34 kilograms per square metre (kg/m^2)

A production summary for the Reporting period is shown in **Table 8**, **Table 9**,

Table 10 and **Table 11**.

Table 8: Placement Numbers by Shed at ProTen Narrandera during Reporting Period

Placement Numbers						
Shed / Batch	**2305**	**2306**	**2401**	**2402**	**2403**	**2404**
75	780713	766185	790431	752251	768570	768922
76	774440	784043	793711	805321	779723	774999
77	771334	807622	772102	759686	770955	753383
78	779374	786406	770556	776974	762645	764085
79	784206	795670	790431	788699	771405	762524
Totals	3890067	3939926	3917231	3882931	3853298	3823913

Table 9: Bird on Hand Numbers by Shed during Reporting Period

Bird on Hand Numbers by Shed							
Shed / Batch	**75**	**76**	**77**	**78**	**79**	**3920000**	**Variance**
2305	779316	779552	762201	772906	773634	3867609	52391
2306	766185	740030	797728	771711	782403	3858057	61943
2401	789431	787159	755835	759130	750798	3842353	77647
2402	749294	753395	748675	765183	777511	3794058	125942
2403	768270	773412	756187	752166	756634	3806669	113331
2404	759511	763476	735783	748612	749321	3756703	163297

Table 10: Placement Duration Exceedances during Reporting Period

Summary of Breaches of Condition A6(e)			
Batch	**Start date**	**Last date**	**Days**
2305	04-05-2023 12:00	12-05-2023 12:00	8.00
2306	29-06-2023 3:00	06-07-2023 9:15	7.30
2401	25-08-2023 2:30	01-09-2023 2:00	6.97
2402	20-10-2023 9:00	27-10-2023 9:00	7.00
2403	18-12-2023 12:00	26-12-2023 2:00	7.58
2404	13-02-2024 12:00	20-02-2024 12:00	7.00
		Average	**7.3**

On six occasions during the reporting period, population of the 5 farms was undertaken in less than 10 days.

Section 10.0 provides further detail on non-compliances during the 2023-24 reporting period.

Table 11: Placement Hours for Each Batch during Reporting Period

Batch	Shed	Date and Time of First Shed Placed	Hours Between First Shed Placed to First Shed Placed on Next Farm
2305	79	04-05-2023 9:15	NA
	78	05-05-2023 0:01	14:46:00*
	77	08-05-2023 0:01	72:00:00
	76	09-05-2023 0:01	24:00:00*
	75	11-05-2023 0:01	48:00:00
2306	79	29-06-2023 3:00	NA
	78	30-06-2023 3:00	71:00:00
	77	03-07-2023 2:00	29:30:00*
	76	04-07-2023 7:30	49:45:00
	75	06-07-2023 9:15	49:45:00
2401	79	25-08-2023 2:30	NA
	78	28-08-2023 2:00	71:30:00
	77	29-08-2023 2:00	24:00:00*
	76	31-08-2023 2:00	48:00:00
	75	01-09-2023 2:00	24:00:00*

Batch	Shed	Date and Time of First Shed Placed	Hours Between First Shed Placed to First Shed Placed on Next Farm
2402	79	20-10-2023 9:00	NA
	78	23-10-2023 12:00	75:00:00
	77	24-10-2023 12:00	24:00:00*
	76	26-10-2023 5:00	41:00:00
	75	27-10-2023 9:00	28:00:00*
2403	79	18-12-2023 12:00	NA
	78	19-12-2023 12:00	24:00:00*
	77	21-12-2023 12:00	48:00:00
	76	22-12-2023 12:00	24:00:00*
	75	26-12-2023 2:00	86:00:00
2404	79	13-02-2024 12:00	NA
	78	15-02-2024 12:00	48:00:00
	77	16-02-2024 12:00	24:00:00*
	76	19-02-2024 12:00	72:00:00
	75	20-02-2024 12:00	24:00:00*

* PPU at intervals of less than 36 hrs

Broilers were placed at each PPU at intervals of less than 36 hrs on 11 occasions during the reporting period as required under Schedule 2, Condition A6 (e) of SSD 6882.

Section 10.0 provides further detail on non-compliances during the 2023-24 reporting period, noting that the Condition A6 (e) was removed from SSD 6882 by the approval of MOD1 on 21 March 2024 and did not apply from this date onwards.

5.0 Actions Required from Previous Annual Review

Following the submission of the previous Annual Review, DPHI issued ProTen with an with a Request for Information (RFI).

A summary of key actions taken including and following the RFI includes:

- On 24 August 2023, DPHI issued ProTen with a RFI regarding the potential breach of Schedule 2, Condition A6 of SSD 6882 during the 2022-2023 reporting period.
- On 24 August 2023, ProTen responded to the RFI from DPHI dated 24 August 2023, with the requested information.
- DPHI issued ProTen with a Show Cause on 29 August 2023 for the alleged breach of Schedule 2, Condition A6 of SSD 6882. DPHI requested ProTen provide a response to the Show Cause by 12 September 2023.
- ProTen responded to the Show Cause via email on 12 September 2023. The response consisted of further explanations of reasons for the failure to meet Schedule 2, Condition A6 (d) of SSD 6882 and how ProTen will mitigate failing to meet the condition in the future.
- DPHI issued ProTen with an Official Caution on 22 September 2023. The Official Caution stated ProTen breached Section 4.2(1)(b) of the Act by failing to comply with Schedule 2, Condition A6 of State significant development consent SSD 6882, particularly Schedule 2, Condition A6 d) and e).

Actions undertaken during the previous reporting period included:

- ProTen Narrandera was granted a modification to SSD 6882 to address requests by DPHI as detailed in the Official Caution dated 26 August 2022. The modification also permitted an increase to the total development population of broilers, alterations to the bird placement regime and access and use of A-Double Heavy Vehicles.
- During the reporting period the construction of a dwelling with attached garage as per DA-023-2023-2024 PAN – 398660 issued by Narrandera Shire Council 20 December 2023 (**Appendix F**) occurred. A Construction Certificate dated 7 February 2024 (**Appendix F**) confirms that that building work has been completed in accordance with the documents accompanying the application for the certificate, including modifications verified by the certifier shown on the documents, will comply with the requirements referred to in the Act, Part 6, Environmental Planning and Assessment Act 1979.
- EPL 20748 variation was granted on 20 June 2023 to amend condition A1.1 focusing on an increase in bird accommodation capacity for the development.
    - It is noted that an EPL variation request was lodged on 1 July 2024 to match the relevant changes to SSD 6882 approved by MOD1**.** The current EPL 20748 is located in **Appendix B.**

  Germination checks were conducted at the Carbon Farming Project on 8 and 9 of May 2024 (*Cassinia Environment, 2023*) (as outlined in **Section 11.0**).
- Landscaping maintenance occurred in accordance with the Landscape Management Plan (as outlined in **Section 8.1**).
- Tree line installation occurred at four farms in accordance with the Landscape Management Plan (as outlined in **Section 8.1**).

- Surface water and groundwater monitoring was conducted in accordance with the WMP (as outlined in **Section 10**).
- The Water Management Plan was updated in February 2024 to include site specific surface water and groundwater criteria as directed by DPHI. The revised WMP was submitted to DPHI and is awaiting approval.
- The OEMP and other relevant Narrandera Management Plans are being revised to meet recommendations from:
    - SLR's management plan review titled *'Operational Management Plan Review – SSD 6882'* dated 12 December 2023 which was triggered by an Incident.
    - SLR's management plan report titled '*Management Plan Review – SSD 6882*' dated 21 June 2024 which was triggered by MOD 1. Note this management plan review also incorporated the recommendations from Integrated Environmental Management Australia (IEMA's) Independent Environmental Audit (IEA) prepared by and submitted to DPHI on 24 May 2024.

6.0 Environmental Performance

This section provides an overview of the environmental management and performance of ProTen Narrandera during the reporting period.

6.1 General Site Maintenance

Regular and effective site maintenance is essential to minimise the impacts of odour, dust, noise, pests due to site operation and management and promote livestock health.

ProTen Narrandera operates in accordance with the approved OEMP to minimise the potential for adverse environmental impacts, extend the life of farm equipment, reduce operating costs and maximise operational efficiency.

Emphasis is placed on keeping the inside of the poultry sheds and surrounding environs as clean as possible, with maintenance activities including:

- Regular inspection and maintenance of ventilation systems, bird drinkers and bird feeders to avoid blockages, spillages and leaks;
- Regular examination and management of bird health within the poultry sheds;
- Stocking densities are in accordance with the *National Animal Welfare Standards for the Chicken Meat Industry* (Barnett et al, 2008);
- Daily inspection and removal of dead birds from within the sheds;
- Daily monitoring and maintenance of the bedding material to identify, remove and replace any caked material beneath drinking lines and/or areas with excessive moisture content;
- Regular site slashing and mowing;
- Maintenance of the landscape plantings;
- Implementation of pest control measures, which primarily comprises a preventative baiting system;
- Regular inspection and maintenance of water supply pumps and pipelines to identify and fix any blockages or leaks; and
- Maintenance of the internal access roads to minimise tyre wear and dust emissions.

6.2 Meteorological Monitoring

In accordance with Condition M4 of EPL 20748, an automatic weather station capable of providing real-time monitoring data is operational at the ProTen Narrandera. The station monitors the following parameters:

- Temperature (measured at 10 metres and 2 metres above ground level);
- Wind speed;
- Wind direction; and
- Rainfall.

Table 12 summarises the meteorological data collected at ProTen Narrandera during the reporting period.

Table 12: On-Site Meteorological Station Data

Meteorological Information	22-30 Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Sep 2023	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	1-21 Apr 2024
Min AirTemp_10m (degC)	0	1.3	-1.1	-0.6	-0.7	0.6	3.5	6.7	10.9	12.2	10.4	8.1	6.0
Ave AirTemp_10m (degC)	16.2	11.4	10.7	9.7	11.2	15.5	17.1	21.1	23.8	24.5	25.6	23.6	16.5
Max AirTemp_10m (degC)	28	23.6	23.9	20.5	23.7	34.8	33.0	40.2	40.8	36.4	39.0	38.2	33.6
Min AirTemp_2m (degC)	3.6	-2.0	-3.6	-3.1	-2.9	-1.0	3.5	6.7	10.9	12.2	10.4	8.1	6.0
Ave AirTemp_2m (degC)	15.2	10.3	9.8	8.6	9.9	14.2	17.1	21.1	23.8	24.5	25.6	23.6	16.5
Max AirTemp_2m (degC)	28.2	23.0	42.2	20.5	23.9	34.8	33.0	40.2	40.8	36.4	39.0	38.2	33.6
Ave GSR (W/m^2)	172.4	126.4	95.0	108.8	151.8	224.33	265.5	292.4	312.0	299.6	335.0	250.3	196.5
RainTot (mm)	45.2	18.6	52.2	22.0	21.8	33.6	32.2	67.8	88.6	88.8	4.8	14.2	41.8
Ave WndSpd (kph)	9.6	8.8	11.0	8.6	8.3	2.6	3.3**	3.1	3.1	3.2	3.0	2.7	2.3
Ave WndDir_10m (deg)	156.1	198.6	196.5	191.4	143.3	117.3	134.6	130.2	91.7	0.0*	0.0*	0.0*	0.0*

*Data anomalies were removed from **Table 12**.

**Average windspeed measured in kph from October 2023 onwards.

6.3 Air Quality Management

Air quality is a sensitive issue associated with intensive poultry developments. Given the nature of such operations, it is inevitable that there may be intermittent releases of fugitive odours and particulate matter during the poultry production cycle.

An *Air Quality Management Plan* (AQMP) (PEL 2016) has been prepared for ProTen Narrandera in accordance with Condition B3 of Development Consent SSD 6882. The following sources are identified as the primary potential sources of odour emissions:

- Shed operations during the bird growing phase;
- Shed operations during shed cleanout;
- Dead birds; and

- Spilt litter during cleanout.

The AQMP also addresses dust emissions. The following are identified as the primary potential sources of operational dust emissions from ProTen Narrandera:

- Wheel generated dust from unsealed roadways;
- Dust emissions from sheds;
- Materials handling and transfer (i.e., litter placement and removal); and
- Windblown dust from open areas.

Table 13 lists the criteria for particulate matter adopted in the EIS (SLR 2015a).

Table 13: Particulate Matter Criteria

Pollutant	Agency	Criterion	Averaging Time
PM_{10}	EPA	50 µg /m^3	24-Hour Maximum
		30 µg /m^3	Annual Mean

Mitigation measures and management strategies employed during the reporting period at ProTen Narrandera to reduce and manage adverse odour and dust emissions include:

- The conditions inside the poultry sheds are continuously monitored (automatic and alarmed) to ensure optimum conditions for bird welfare and bedding material/litter are maintained;
- Regular monitoring and maintenance of the tunnel ventilation systems and bird drinkers (nipple drinkers and drink cups) within the poultry sheds to avoid spillage, leaks and uneven distribution;
- Regular monitoring and maintenance of bird health within each of the poultry sheds;
- Stocking densities are in accordance with the *National Animal Welfare Standards for the Chicken Meat Industry* (Barnett et al, 2008);
- Daily monitoring of the bedding material within the sheds to identify, remove and replace any caked material beneath drinking lines and/or areas with excessive moisture content;
- Dead birds removed from the sheds on a daily basis and stored in the on-site chiller for removal from site;
- Poultry litter promptly removed from the sheds and transported off site at the end of each production cycle during the clean-out phase. Wherever possible, the handling of this material is avoided during adverse climatic conditions, such as times of cold air drainage during early morning or towards night and strong winds. The shed ventilation systems are not used during the removal of bedding material;
- Spent litter is not spread on site;
- A 60 km per hour speed limit is imposed on the main access road and with a reduced speed limit of 25kph within the Production area of the farms;
- The main internal access road has been sealed;
- Internal roads are maintained to minimise dust generation; and
- All trucks have their loads covered prior to exiting the site.

6.3.1 Environmental Performance

There were no complaints in relation to dust emissions during the reporting period.

There is no requirement to undertake air quality monitoring under 6882 MOD1 or EPL 20748. ProTen Narrandera will continue to implement the mitigation and management measures outlined in the AQMP

6.4 Noise Management

Schedule 3, Condition B32 of SSD 6882 MOD1 and Condition L3.1 of EPL 20748 outline the operational noise limits for ProTen Narrandera as presented in **Table 14**.

Table 14: Operational Noise Limits

Location	Day	Evening	Night	
	LAeq (15min)	LAeq (15min)	LAeq (15min)	LA1 (1min)
All privately owned residential premises	35	35	35	45

Note: Noise generated by the Development is to be measured in accordance with the relevant procedures and exemptions (including certain meteorological conditions) of the INP. Appendix 9 of the INP sets out the meteorological conditions under which this criterion applies.

Operational noise mitigation measures and management strategies employed during the reporting period included:

- Plant and equipment operators were instructed to operate the items in a manner that minimises noise generation;
- Emergency standby diesel generators are only used when power from the electricity grid is lost;
- Plant and equipment were regularly inspected and maintained to ensure optimal operational condition;
- A circular one-way internal roadway has been established to minimise the use the reversing alarms and heavy vehicle manoeuvring;
- Audible alarms were maintained at a level not audible beyond the site boundary;
- Internal roads were maintained to reduce traffic noise levels (among other objectives); and
- The majority of operational activities occurred between 7:00 am and 7:00 pm.

6.4.1 Environmental Performance

No complaints were received with regard to noise during the reporting period.

There is no requirement to undertake noise monitoring under SSD 6882 or EPL 20748. ProTen Narrandera will continue to implement the noise mitigation and management measures outlined in the OEMP.

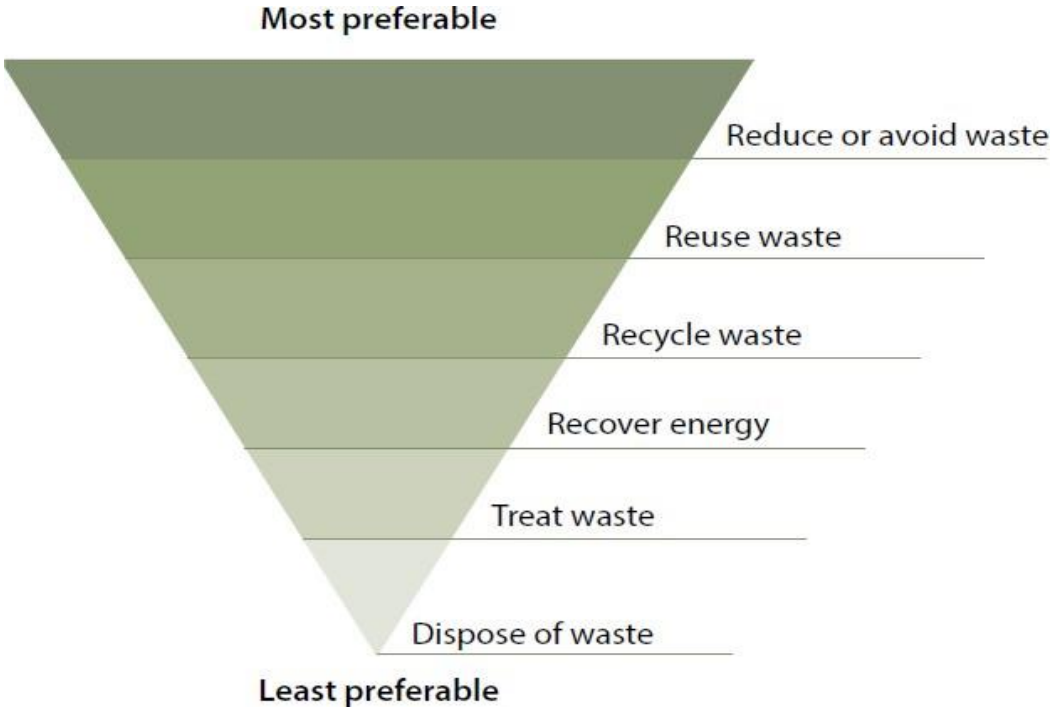
6.5 Waste Management

A *Waste Management Plan* (SLR 2016b) has been prepared in accordance with Schedule 3, Condition B21 of SSD 6882. Where possible, waste is managed to meet the principles of the waste management hierarchy shown in **Figure 4** by promoting waste as a resource through the following in order of preference:

- Waste avoidance through prevention or reduction of waste generation, which is best achieved through better design and purchasing choices;
- Waste reuse, without substantially changing the form of waste;
- Waste recycling through the treatment of waste that is no longer usable in its current form to produce new products;
- Energy recovery through thermal treatment of residual waste materials and from green waste processing; and
- Waste disposal, in a manner that causes the least harm to the natural environment.

The waste hierarchy shown on **Figure 4** ranks the waste management options in order of their environmental impacts, as established under the *Waste Avoidance and Resource Recovery Act 2001.*

Figure 4: Waste Hierarchy



Operations at ProTen Narrandera generate the following primary waste streams:

- **General daily waste** – day-to-day general waste, including waste from the on-site managers housing, is placed in enclosed skip bins and removed from the site by a licenced contractor on a regular basis for disposal at a local landfill facility;
- **Chemical containers** – the only chemicals used on site are for sanitisation and disinfection purposes, along with pest and weed control. Chemicals are purchased from a local supply company and/or delivered to the site by Baiada Poultry (Baiada). Empty chemical containers are returned to the local supply company and/or Baiada for reuse, recycling or appropriate disposal. Alternatively, a licensed contractor will be engaged to provide a chemical container pickup service for recycling, reuse or appropriate disposal. Any non-returnable chemical containers will be collected and managed via the drumMUSTER program;
- **Poultry litter** – at the end of each production cycle, each poultry shed has around 225 m3 of poultry litter, comprising around 135 m3 of bedding material (soft wood

shavings, rice hulls or chopped straw) and 90 m3 of poultry manure which has accumulated over the eight weeks of bird occupation. Cumulative, this amounts to approximately 102,600 m3 per year (based on 80 poultry sheds and 5.7 production cycles per year); and

- **Dead birds** – dead birds are collected from the poultry sheds on a daily basis and stored in on-site chillers. Dead birds will be collected and taken to Baiada's Hanwood protein recovery plant (rendering plant). Dead birds are not allowed to be stockpiled within the site for biosecurity reasons.

The management and mitigation measures listed below are implemented to minimise waste generation and ensure waste is effectively managed and disposed of offsite:

- No stockpiling or disposal of waste materials occurs within the bounds of ProTen Narrandera;
- Waste streams are managed in accordance with the reuse/recycling/disposal methods described in the *Waste Management Plan* and the OEMP;
- Waste materials removed from site are directed to a facility or premises lawfully permitted to accept the materials;
- Waste generated outside of ProTen Narrandera is not received at site for any purpose;
- Only wastes that cannot be cost effectively reused or recycled are sent for disposal;
- All loaded vehicles leaving the site have their loads covered;
- Poultry litter is not stockpiled, stored or utilised within the site in any way;
- Dead birds are not disposed to land by burial or any other method at the premises (unless otherwise permitted by a relevant authority during an emergency animal disease event); and
- General waste skips are checked on a weekly basis. If the skips are reaching capacity, removal and replacement will be organised for the next 24 hours.

6.5.1 Environmental Performance

ProTen have confirmed that the waste volume generated at the site during the reporting period was 720 m^3, this is the same amount collected during the 2023-24 reporting period. Waste volume is calculated based on the container size rather than the waste volume within it. Waste is collected on a fortnightly basis by MIA Quik Waste. Mixed waste is collected from ProTen Narrandera and sorted for recycling by MIA Quik Waste at a licenced facility.

No complaints were received in relation to waste generation or waste management during the reporting period.

6.6 Biodiversity Management

A *Biodiversity Management Plan* (BMP) (SLR 2016c) has been prepared in accordance with Condition B12 of SSD 6882. As detailed in the BMP, the key operational activities which may impact native flora and fauna at ProTen Narrandera include:

- Vehicle movements may result in vehicle strike of native birds and ground fauna (mainly reptiles and mammals);

- Introduction or spread of weeds and/or plant pathogens, primarily via vehicle movements;
- Dust generation may adversely affect plant growth;
- Excessive noise may inhibit or modify behaviour of certain native animals or cause dispersal from the noise source; and
- Lighting may adversely affect nocturnal fauna through eye-shine and exposure to predators.

The environmental controls listed below are implemented to minimise the potential for impacts to biodiversity:

- If any native fauna is by chance injured during operations, WIRES will be contacted to arrange proper care for the animal. WIRES will also be contacted to remove any bats discovered within the poultry sheds;
- The Fauna Management Protocol detailed in the OEMP will be followed (as required) for the identification and management of any rescued fauna;
- A 60 km per hour speed limit is imposed on the main access road and with a reduced speed limit of 40kph on unsealed access roads and 25kph within the Production area of the farms;
- Efforts are made to ensure the poultry sheds and other site buildings are fully enclosed and maintained in an attempt to exclude bats from roosting within the sheds/buildings;
- Appropriate pest/vermin control measures are implemented to prevent and control pest/vermin populations and outbreaks; and
- Regular inspections of the Temporary Offset Area fencing are undertaken, and repairs carried out as necessary.

A *Biodiversity Offset Strategy* (SLR 2015c) has been prepared to satisfy Condition B10 of SSD 6882. The strategy includes appropriate biodiversity credit and offsetting provisions to compensate for vegetation and habitat loss. As per Cassinia Environmental *ProTen Narrandera – 12 Month Post Planting Monitoring Report* dated 10 July 2023, seedling planting and Direct Seeding was undertaken as per **Figure 5**. Further tree planting will take place over the next 12-month period as per the Landscape Management Plan.

While the majority of the ProTen Narrandera development site has been historically cleared and used for agricultural production purposes, there are patches of native vegetation present. There have been minor impacts to native vegetation within the ProTen Narrandera site, including a small area of Sandhill Pine endangered ecologically community (EEC) which has been cleared to allow construction of the internal access road and a small area of low condition Black Box Grassy Open Woodland in the south of the site.

Prior to construction commencing, a Temporary Offset Area including temporary fencing was installed to delineate and protect the area mapped by the Office of Environment and Heritage (OEH) (2011) as White Cypress Pine Open Woodland (equivalent to Sandhill Pine Woodland EEC) within the north western corner of the site (see **Figure 6).** A minimum 100 m buffer is maintained between the PPU footprint (including revegetation sites and vehicle access tracks) and the boundary of areas of remnant vegetation and the South West Woodland Nature Reserve (see **Figure 6**).

6.6.1 Environmental Performance

ProTen have advised that during the reporting period the Temporary Offset Area fencing was maintained and remains in good condition. Trees are growing well and there is no evidence of loss of trees. As shown in **Figure 5** Narrandera Revegetation Area

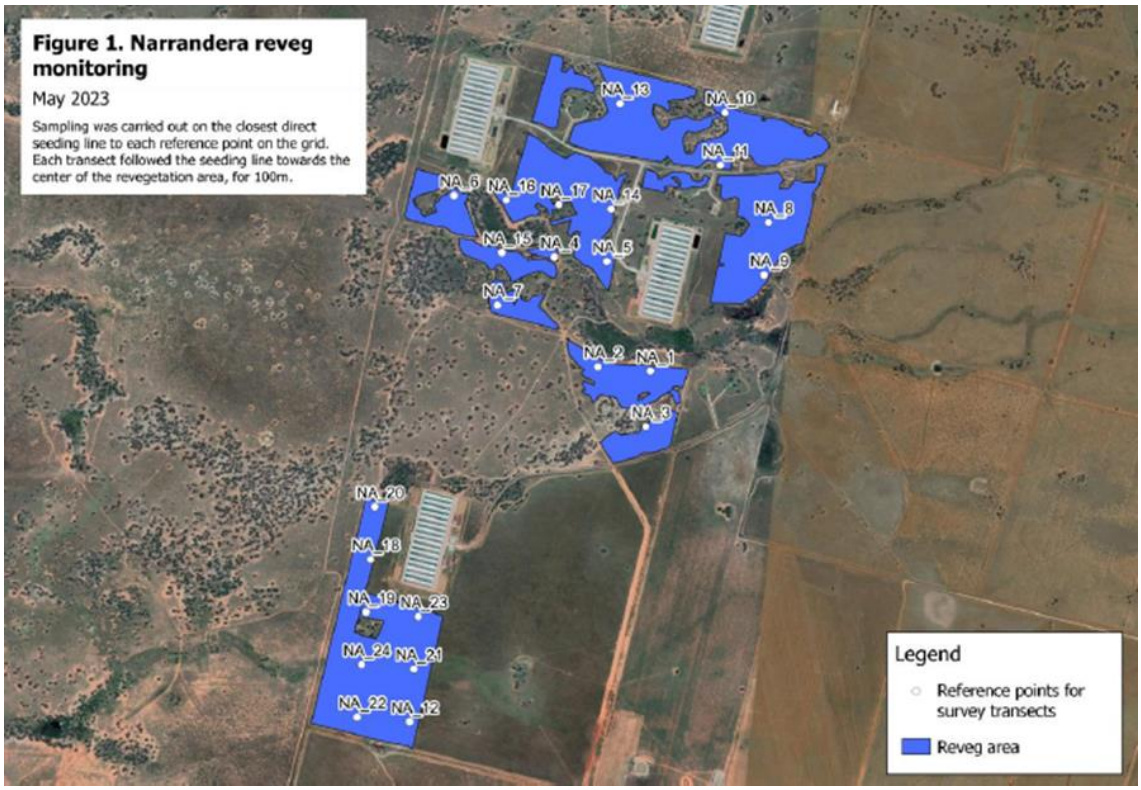


Photo 1 & **Photo 2** the woodland is of healthy condition.

Figure 5 Narrandera Revegetation Area

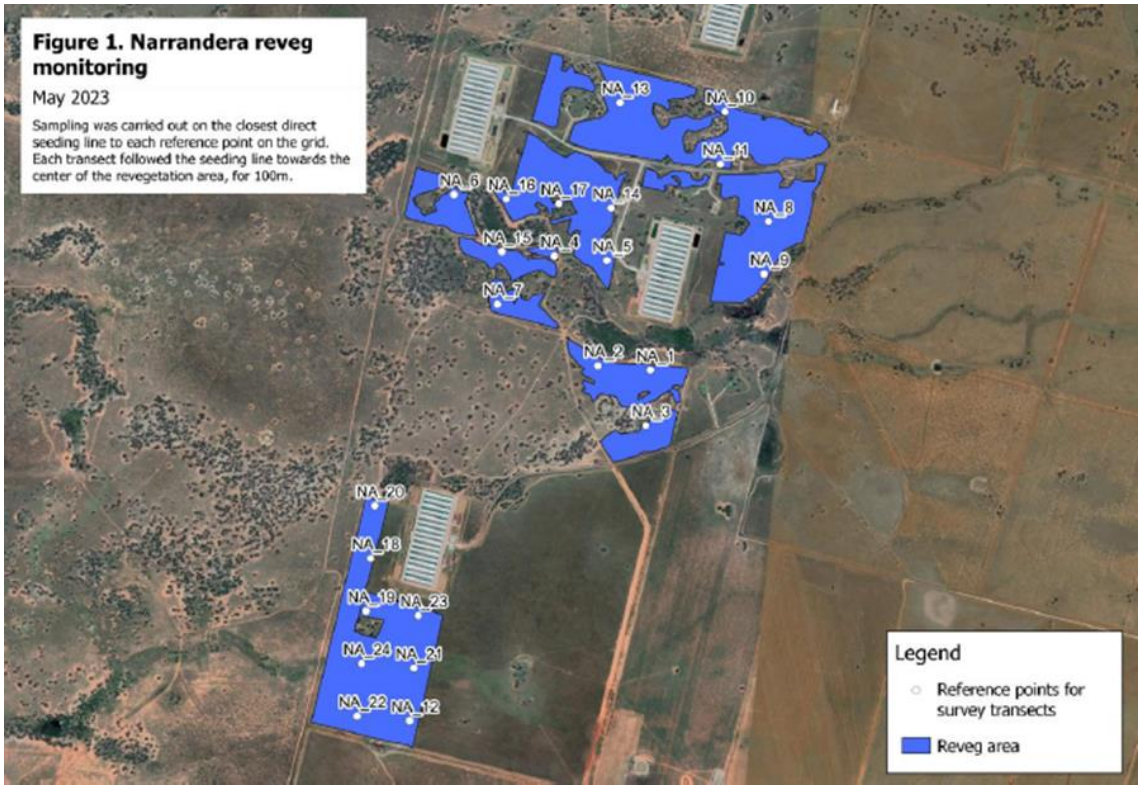
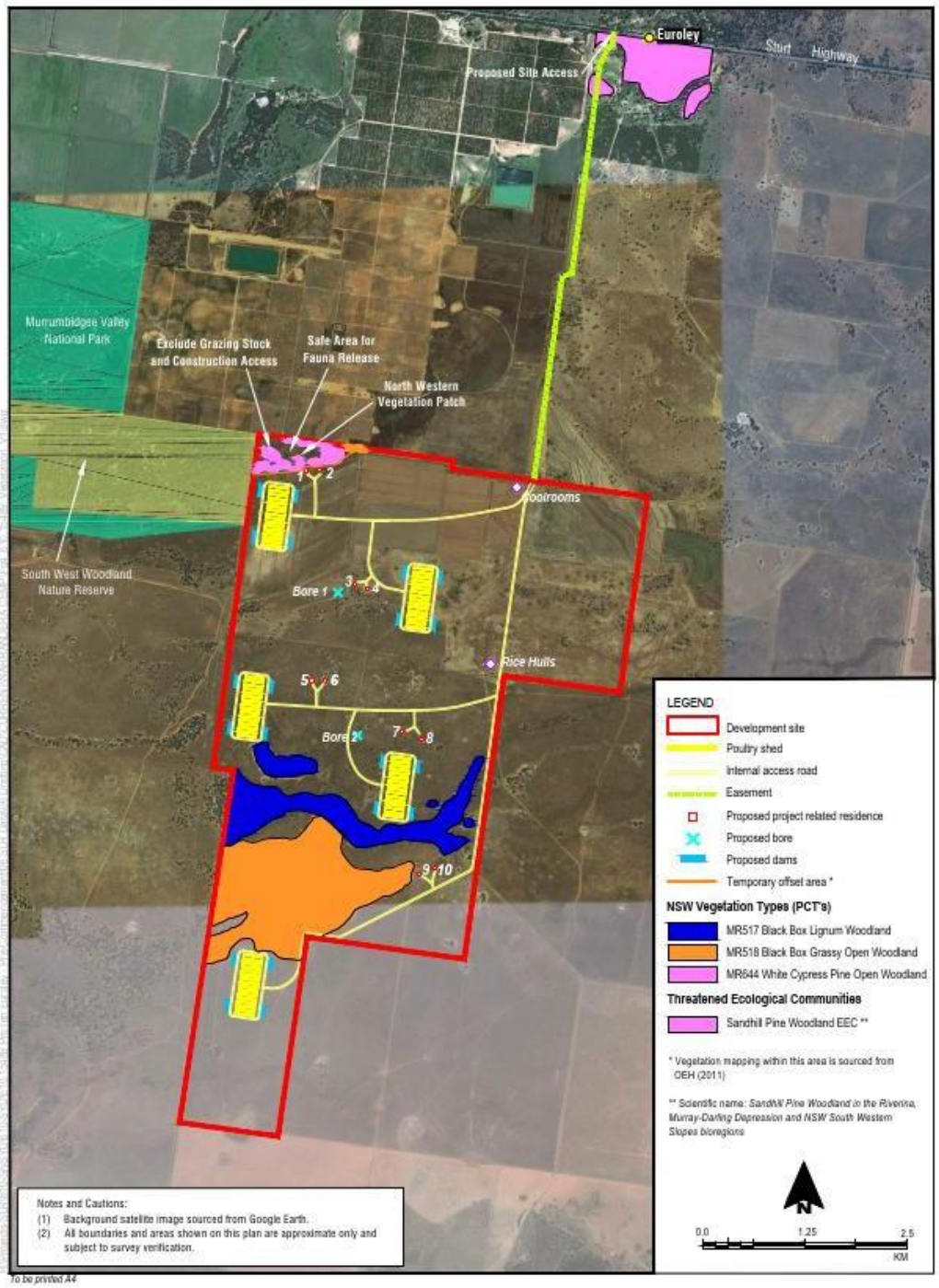


Photo 1: Temporary Offset Area

Photo 2: Showing trees maturing in woodland area

Figure 6: Vegetation Areas and Temporary Offset Area



6.7 Biosecurity, Hazard and Risk Management

An *Emergency Disposal and Biosecurity Protocol* (SLR 2016d) has been prepared in accordance with Condition B9 of SSD 6882 and in consideration of various relevant guideline documents. All employees and contractors are provided with appropriate biosecurity training through site inductions and regular toolbox talks. Monitoring and recording of flock health is undertaken on a daily basis by both ProTen Narrandera and Baiada Poultry.

An *Emergency Plan* (SLR 2021a) has also been prepared for ProTen Narrandera in accordance with Condition B25 of SSD 6882. The Emergency Plan contains an inventory of hazardous substances, chemicals and fuels, storage locations and volumes, including:

- Liquid petroleum gas (LPG), petrol and diesel for power and equipment requirements;
- Sanitation products used in the poultry sheds during the cleaning phase at the end of each batch;
- Sanitation products for the wheel wash facilities and foot baths;
- Disinfectant for the water supply;
- Pest and vermin control products (when necessary); and
- Weed control products (when necessary).

The following management strategies are implemented at ProTen Narrandera to minimise the potential for environmental incidents relating to the storage, handling and transport of potentially hazardous goods:

- LPG storage at each PPU is maintained in accordance with the relevant requirements of *AS/NZS 1596:2014 The Storage and Handling of LP Gas*. This includes minimum separation distances of 10 m from a public place and 17 m from a protected place;
- LPG is delivered in specific-purpose rigid trucks at a frequency of less than once per week;
- All buildings are maintained to meet the relevant requirements of the Building Code of Australia;
- Fire extinguishers, fire blankets and hose reels are maintained at designated locations compliant with relevant Australian Standards;
- All diesel and petrol tanks are stored in bunded areas with a minimum bund volume of 110% of the volume of the largest single stored volume within the bund;
- Annual maintenance and testing is undertaken for high voltage electricity infrastructure;
- Employees and contractors are instructed in the proper use and handling of all chemicals used on site, as well as incident management procedures;
- Spill kits are provided and maintained at strategic locations around ProTen Narrandera; and
- Copies of the SDS for each chemical and fuel used on site is kept within the chemical storage facility and in the PPU office.

6.7.1 Environmental Performance

The Environmental Representative observed all fuels and hazardous materials to be appropriately stored and there was no evidence of spillages. The IEA (IEMA, 2024) recommends ProTen review the pick-up frequency for empty chemical (including sanitiser) containers to prevent the large number of empty containers being stored at the Farms or sitting on the ground outside of allocated storage areas (sheds) continuing. It was noted that the containers were stored correctly in Bund areas.

ProTen undertook baiting in the vicinity of the sheds to mitigate the rodent numbers during the reporting period. Baits were fixed to the outside shed walls, under silos and around ancillary buildings. These were checked weekly and activity recorded. No baiting of rabbits or foxes was undertaken for the reporting period.

6.8 Aboriginal Heritage Management

During the EIS process, field surveys identified six Aboriginal heritage sites within the ProTen Narrandera site, comprising five scarred trees and one hearth. While some sites are located in close proximity to development infrastructure, they are not located within the disturbance footprint and have been avoided during construction.

An *Aboriginal Cultural Heritage Management Plan* (ACHMP) (OzArk 2016) has been prepared in accordance with Condition B55 of SSD 6882. In the event that a previously unrecorded or unanticipated Aboriginal object(s) is encountered during construction and/or operation, the *Unexpected Finds Protocol* detailed in the ACHMP, Construction Environmental Management Plan (CEMP) (SLR 2016a) and OEMP will be followed.

The following management and mitigation measures are implemented to avoid any impact to all Aboriginal heritage sites:

- The six identified Aboriginal sites are permanently fenced with a 10 m buffer. The fencing is clearly visible and signed with “Do Not Enter”;
- Additional mitigation measures (including sediment controls) are implemented in the vicinity of EPPC-ST5;
- ProTen Narrandera employees and contractors are made aware of the six identified Aboriginal heritage sites during site inductions and training; and
- Should any Aboriginal objects be uncovered during construction and/or operation, the *Unexpected Finds Protocol* (see ACHMP) will be followed.

6.8.1 Environmental Performance

During the reporting period, the fencing around the Aboriginal heritage sites has been maintained by ProTen to protect the heritage sites.

No unexpected finds were identified during the reporting period.

7.0 Water Management

ProTen Narrandera uses and produces the following water classes. **Table 15** lists the classes of water at the site, describes their source, the target design objectives/performance criteria and the way each class is to be managed.

Table 15: Water Management Classification

Water Resource Classification	Description and Source of Water	Target Design Objective	Treatment
Dirty Water	• Sediment laden runoff produced from exposed soils and disturbed surfaces. • Generally characterised by a high turbidity and sediment load, and associated with temporary construction activities and unsealed access roads.	Based on Blue Book (Landcom, 2004) criteria (depends on the size and duration of the disturbance).	Dirty water runoff is contained within sediment basins or passed through sediment control devices to detain sediment and reduce turbidity before discharge to the natural environment.
Wash Down Water	• Water produced from the cleaning and wash down of the PPUs. • Characterised by elevated nutrient levels.	An engineered surface water management system at each PPU has been designed with the total storage on site equivalent to 170 percent of the storage capacity required to contain runoff from a 100- year annual recurrent interval (ARI), 72 hour flood event.	Wash down water is directed to grassed swale drains between the poultry sheds designed to allow infiltration of the water into the topsoil for effective nutrient uptake by the grass. During heavy rainfall events, excess water from the swales is conveyed via pipes under the PPU ring road and to a table drain installed around the PPU perimeter. The table drain conveys the water to one of four small sediment dams located at the corners of each PPU.
Clean Water	• Surface water runoff produced from undisturbed clean water catchments such as forested areas or open pastures. • Characterised by low turbidity and low nutrient content.	Clean water diversions designed, installed and maintained to convey a 100-year ARI rainfall event.	Diverted around disturbance areas and released to the natural environment.
Groundwater	Groundwater contained within the aquifers.	N/A	Groundwater is extracted to meet operational water requirements.

Water Resource Classification	Description and Source of Water	Target Design Objective	Treatment
Sewerage	Sewerage produced from staff amenities and residences	Designed, installed and managed in accordance with relevant council guidelines	Treated and disposed of via onsite aerated wastewater management systems.

7.1 Water Take

ProTen Narrandera operates under water licence WAL 11788 which permits the extraction of 488 megalitres per year (ML/year) from the two groundwater production bores installed at the site (see **Figure 2**). These bores access the Deep Aquifer (Calivil Formation) in the Lower Murrumbidgee Groundwater Sources water sharing plans and are capable of a maximum pump rate of 7 ML/day.

A copy of WAL 11788 is contained in **Appendix C**.

Water usage at ProTen Narrandera is measured and recorded in iLeader software. Water usage during the 2022 - 2023 financial year was 483.48 ML. This is less than the 488 ML/year permitted under WAL 11788.

7.2 Surface Water

7.2.1 Overview

ProTen Narrandera is located within the catchment of the Murrumbidgee River, which covers 84,000 km^2 of southern NSW. The river flows to the north of the site and is located approximately 9 km away at its nearest point. The nearest watercourse of significance is Yanco Creek, a regulated stream of the Murrumbidgee River system, flowing approximately 8 km to the east of the site at its closest point.

The site (and surrounding land) is very flat and slopes gently to the west. Two minor topographical depressions that act as minor drainage features traverse the site. These features do not have any formed banks and are only distinguishable as drainage features by their location topographically and vegetation present. There are also some constructed irrigation channels within the northern extent of the site.

7.2.2 Environmental Performance

ProTen Narrandera is a largely dry operation, with no effluent generated as a result of the poultry-rearing process itself. The main operational water sources generated by ProTen Narrandera are:

- Wash down water from within the poultry sheds at the end of each nine-week production cycle (approximately 5 to 6 times per year);
- Rainfall runoff from the shed roofs; and
- Rainfall runoff from the ground surfaces around the poultry sheds and additional improvements.

Approximately 12 kilolitres (kL) of water are used in the wash down process for each poultry shed at the end of each production cycle. This amounts to a total volume of 192 kL per PPU per production cycle for wash- down.

SLR were commissioned by ProTen to complete the investigation into the exceedances of Total Nitrogen, Nitrate/Nitrite as N and Total Phosphorus at sediment dams PPU1, PPU2, PPU3, PPU4 and PPU5 which SLR provided via report on 20 April 2023 (SLR, 2023b).

ProTen submitted this report to the DPHI, which the DPHI responded to on 22 May 2023, requesting ProTen submit a revised WMP. The WMP was updated in February 2024 to include these updates and is with DPHI (former DPE) for assessment. The WMP details the best practice management and mitigation measures implemented at the site to manage surface water, including:

- Surface water management systems are visually inspected on a monthly basis, as well as prior to any predicted significant rainfall event and following significant rainfall events;
- Grassed swale drains between the poultry sheds are managed to minimise soil disturbance and maximise infiltration of runoff, as well as regularly slashed to encourage continual grass growth and associated nutrient up-take; and
- Dry-cleaning practices at the end of each production cycle are maximised to minimise the volume of wash water and poultry litter associated sediments and nutrients washed out of the sheds.

7.2.2.1 Monitoring Results

The WMP and EPL 20748 detail the surface water monitoring requirements for ProTen Narrandera. During the reporting period, ProTen Narrandera engaged Aitken Rowe to undertake surface water monitoring. Two surface water monitoring events were undertaken with the following parameters sampled:

- pH (field);
- Electrical conductivity (EC) (field and laboratory);
- Total suspended solids (TSS);
- Nitrate/Nitrite as N;
- Total Kjeldahl Nitrogen;
- Nitrogen; and
- Phosphorus.

The periodic and reactive surface water quality monitoring regime for Pro Ten Narrandera is listed in **Table 16**.

Table 16: Surface Water Quality Monitoring Schedule

Monitoring Site	Parameters	Frequency
Periodic Sampling		
One sediment dam at each PPU	Water quality Water level Photos	6 monthly grab sample when water is available.
Reactive Sampling		
Overflow from sediment dam	Water quality Photos	Grab sample during overflows
Any surface water impacted by a spill, discharge or other incidents	Targeted analytes selected based on the nature of the incident	Immediately and/or as instructed by consulted government agencies.

Table 17 summarises the surface water monitoring results (Periodic Sampling) for the reporting period along with the interim ANZECC and NSW Water Quality Trigger Levels. Long term surface water quality trends are shown in **Appendix D**. Surface water monitoring was undertaken on 21 September 2023 and 15 Mar 2024 which is within the required frequency interval as referenced in **Table 18**.

There was no trigger for Reactive Sampling during the reporting period, therefore no grab samples were collected.

Section 10.2 details non-compliances during the 2023-24 reporting period.

Table 17: Surface Water Monitoring Results

Site	Date Sampled	General			Nutrients			
		pH (pH Units)	Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Total Nitrogen (mg/L)	Nitrate/Nitrite as N (mg/L)	Total Phosphorus (mg/L)
ANZECC Criteria Limits		**6.5 - 8.0[1]**	**125 - 2,200[1]**	**-**	**-**	**0.5[1]**	**0.04[1]**	**0.05[1]**
NSW Water Quality Objectives		**6.5 - 8.5**	**125 - 2,200**	**-**	**-**	**0.5**	**-**	**0.05**
PPU1	21-Sep-23	7.2	317	111	7	8	1.1	1.01
PPU2		7.2	288	72	12	12	0.5	1.1
PPU3		7.3	283	45	8	11	3.4	1.48
PPU4		7.3	236	32	7	8	0.6	1.13
PPU5		7.3	267	32	10	11	1.0	1.99
PPU1	15-Mar-24	6.3	322	126	3	6	0.1	1.82
PPU2		6.6	205	760	6	6	<0.1	1.23
PPU3		6.7	214	43	4	4	<0.1	0.74
PPU4		6.8	228	48	2	2	0.3	0.56
PPU5		6.8	306	83	3	4	0.5	0.87
MIN		6.3	205	32	2	2	<0.1	0.56
MAX		7.3	322	760	12	12	3.4	1.99
AVERAGE		6.95	266.6	135.2	6.2	7.2	1.05	1.19

[1]Any criteria limit exceedances will be highlighted.

Surface Water Monitoring Results

Surface water pH of the samples collected were measured in the range between 6.3 and 7.3, all within the ANZECC and NSW Water Quality Trigger Levels**.** The average for the reporting period was 6.95 which is lower than the average of 7.70 recorded during the previous reporting period.

The electrical conductivity of surface water samples collected during the reporting period were between 205 µS/cm and 322 µS/cm. The average for the reporting period was 266.6 µS/cm which is higher than the 201.7 µS/cm during the previous reporting period.

The concentration of total suspended solids (TSS) in the surface water sampled was within the range of 32 mg/L and 760 mg/L over the reporting period, with an average value of 135.2 mg/L. This is higher than average of 44.4 mg/L recorded during the previous reporting period.

Nutrient concentrations of the surface water samples collected during the reporting period are discussed below.

Total Kjeldahl Nitrogen (TKN) was within the range between 2 to 12 mg/L, with an average value of 6.2 mg/L for the reporting period. This is higher than the average of 1.9 mg/L recorded during the previous reporting period.

Total Nitrogen was within the range between 2 to 12 mg/L, which is higher than the ANZECC and NSW Water Quality Trigger Levels. The average for the reporting period was 7.2 mg/L, which is higher than the 5.1 mg/L average recorded for the previous reporting period.

Nitrate/Nitrite as N was within the range between 0.1 mg/L to 3.4 mg/L, which is higher than the ANZECC and NSW Water Quality Trigger Levels. The average for the reporting period was 1.05 mg/L, which is lower than the 1.9mg/L average recorded for the previous reporting period.

Total Phosphorus was within the range between 0.56 to 1.99 mg/L, which is higher than the ANZECC and NSW Water Quality Trigger Levels. The average for the reporting period was 1.19 mg/L, which is higher than the average of 0.5 mg/L recorded for the previous reporting period.

Section 10.0 details non-compliances during the 2023-24 reporting period.

Grab Samples

No events occurred that would require grab sample water monitoring during the reporting period.

7.2.3 Comparison Against Predictions

The Environmental Impact Statement (EIS) prepared by SLR (2015a) predicted the typical nutrient concentration for the wash down water based on previous analysis of the wash down water at another of ProTen's farms. SLR (2015a) calculated the typical nutrient concentration of wash down water to be as follows:

- Total Suspended Solids: 2,500 mg/L
- Total Nitrogen: 65 mg/L; and
- Total Phosphorus: 45 mg/L.

The wash down water then enters the vegetated swales drains around the sheds which provides an effective means of nutrient removal prior to entering the sediment dams which are sampled on a 6-monthly basis (see **Table 15**). The typical annual pollutant load removal

efficiencies for vegetated swales according to Engineers Australia (2006) Australian Runoff Quality is as follows:

- Total Suspended Solids (TSS) = 60-80%;
- Total Nitrogen (TN) = 25-40%; and
- Total Phosphorus (TP) = 30-50%.

Table 18 compares the predicted concentration removal rates against the concentrations removal rates during the reporting period for TSS, TN and TP.

Table 18: Comparison Against Predictions

Pollutant	Predicted Washdown Concentrations (mg/L)	Predicted Removal Rate (%)	2023-24 Average Concentration Results at Sediment Dam (mg/L)	Actual Removal Rate (%)
Total Suspended Solids (TSS)	2,500	60-80	135.2	99.9
Total Nitrogen (TN)	65	25-40	7.2	99.9
Total Phosphorus (TP)	45	30-50	1.19	99.9

The results shown in **Table 17** shows that the removal rates for TSS, TN and TP were all lower than the predicted removal rates during the reporting period.

7.3 Groundwater

7.3.1 Overview

Water is extracted from two groundwater production bores – Bore 1 and Bore 2 (see Figure 2), located in the deep Calivil Formation. The Calivil Formation comprises Pliocene (Tertiary) aged river valley deposits of interbedded clay, silt, sand and gravel. WAL 11788 permits the extraction of up to 488 ML/year. As discussed in **Section 7.1**, ProTen Narrandera used approximately 483.48ML during the 2022-2023 financial year. Water extracted from the bores is treated as per the *National Water Biosecurity Manual – Poultry Production* (Department of Agriculture, Fisheries and Forestry [DAFF] 2009).

There are also 12 piezometers intersecting the shallower Shepparton Formation located around the site, which include six shallow and six deep piezometers. The Shepparton Formation is a recent (Holocene) unconsolidated to consolidated unit comprising a heterogeneous distribution of clays, silts sands and gravels. The ten piezometers located near the PPUs are to monitor any impact on the shallow Shepparton Formation as a result of the engineered surface water drainage systems managing rainfall runoff within the bounds of the respective PPU and wash down water. The remaining two piezometers are located near residences 1 and 2 and monitor any impact on the shallow Shepparton Formation as a result of domestic effluent (sewage) irrigation.

7.3.2 Environmental Performance

Groundwater is managed in accordance with the WMP which forms part of the OEMP. The management strategies implemented on site during the reporting period include:

- Best management practices for chemical use and storage described in the OEMP are implemented: and

- Ongoing groundwater monitoring activities are undertaken in accordance with the WMP.

7.3.2.1 Monitoring Results

Groundwater monitoring was undertaken on 23 September 2023 and 15 March 2024.

Groundwater Level

A groundwater monitoring program is undertaken in accordance with the WMP.

Groundwater levels from the piezometers installed within the shallow aquifer (Shepparton Formation) are presented in **Table 19**. Long term groundwater level trends are shown in **Appendix E**.

Table 19: Piezometer Water Levels

Piezometer ID	Standing Water Level (mTOC[1])		
	Sep 2023	Mar 2024	Baseline Trigger
Piezo 1 shallow	n/a[2]	n/a[2]	n/a
Piezo 1 deep	23.3	24.8	**26.4**
Piezo 2 shallow	n/a[2]	n/a[2]	n/a
Piezo 2 deep	22.8	24.9	**25.9**
Piezo 3 shallow	n/a[2]	n/a[2]	n/a
Piezo 3 deep	23.8	25.3	**25.8**
Piezo 4 shallow	n/a[2]	n/a[2]	n/a
Piezo 4 deep	24.6	24.9	**25.8**
Piezo 5 shallow	n/a[2]	n/a[2]	n/a
Piezo 5 deep	24.0	25.1	**25.6**
Piezo 6 shallow	n/a[2]	n/a[2]	n/a
Piezo 6 deep	23.8	25.4	**25.7**

1- metres below the top of the casing (mTOC)

2- piezometer dry

As shown in **Table 20**, groundwater level monitoring of the six piezometers installed in the shallow Shepparton Formation has been undertaken on two occasions during the reporting period. On all occasions the shallow piezometers were recorded as dry. The six deep piezometers were measured on a 6-monthly basis and recorded groundwater levels between 22.8 m and 25.3 m TOC. Piezo 1, 2 & 3 registered between 2.0m-3.1m reduction in Standing Water Level during the September 2023 sampling event and has therefore exceeded the 2m trigger level from baseline average outlined in the WMP.

Groundwater level monitoring in the production bores is intended to target the deep aquifer (Calivil Formation). During the reporting period it has not been possible to monitor groundwater levels in the production bores. Groundwater levels in the production bores were last monitored in 2015 as presented in **Table 20.**

Table 20: Production Bore Water Levels (August 2015)

Bore ID	Standing Water Level (mBGL)
Bore 1	24.5
Bore 2	24.2

Groundwater Quality

Groundwater quality was monitored at the six deep piezometers and two production bores during the reporting period. The monitoring results are detailed in **Table 21** and **Table 22**, respectively. Long term groundwater quality trends are shown in **Appendix E**.

Table 21: Shallow Aquifer Piezometer Groundwater Monitoring Results (Shepparton Formation)

Piezo ID	Date	General Parameters			Major Ions								Nutrients			Misc
		pH	Electrical Conductivity	Total Dissolved Solids	Sodium	Calcium	Potassium	Magnesium	Chloride	Sulphate	Carbonate as $CaCO_3$	Bicarbonate as $CaCO_3$	Ammonia as N	Nitrate as N	Phosphorus	Total organic carbon
		-	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
ANZECC Guidelines		**6.5 - 8.5[1]**	**-**	**1,200[1]**	**180[1]**	**-**	**-**	**-**	**250[1]**	**250[1]**	**200[1]**	**200[1]**	**0.5[1]**	**50[1]**	**-**	**-**
Interim Groundwater Quality Trigger Values (Shallow and Deep Aquifers)		**6.5 - 8.5[1]**		**1,200[1]**	**-**	**-**	**-**	**-**	**250[1]**	**250[1]**	**200[1]**	**(see site specific below)**	**(see site specific below)**			
Interim Groundwater Quality Trigger Values (Shallow and Deep Aquifers) – Bicarbonate and Ammonia as N Piezo 1 Deep												**258[2]**	**9.5[2]**			
Piezo 1 Deep	Sep-23	8.4	190	122	34	4.68	<2.0	3.2	41	10.4	<2	-	0.4	<1	0.36	0.5
	Mar-24	6.4	191	138	30.1	5.01	2.0	3.01	6.6	3	<2		<0.1	0.3	0.16	0.6
	Avg	7.4	190.5	130	32.05	4.845	2	3.105	23.8	6.7			0.4	0.3	0.26	0.55
Interim Groundwater Quality Trigger Values (Shallow and Deep Aquifers) - Bicarbonate Piezo 2 Deep, Piezo 3 Deep, Piezo 5 Deep, Piezo 6 Deep												**200[1]**				
Interim Groundwater Quality Trigger Values (Shallow and Deep Aquifers) - Ammonia as N Piezo 2 Deep													**13.8[2]**			
Piezo 2 Deep	Sep-23	7.6	459	294	68.9	13.4	2.4	8.69	11	12.8	>2	-	<0.1	<1	0.05	0.5
	Mar-24	6.0	211	137	51.8	9.66	2.9	6.66	12.8	7	<2	-	<0.1	0.3	<0.20	0.9
	Avg	6.8	335	215.5	60.35	11.53	2.65	7.675	11.9	9.9				0.3	0.05	0.7
Interim Groundwater Quality Trigger Values (Shallow and Deep Aquifers) - Ammonia as N Piezo 3 Deep													**0.6[2]**			
Piezo 3 Deep	Sep-23	7.5	185	118	26.7	6.08	<2.0	4.15	62	9.1	<2	-	<0.1	<1	0.06	0.5
	Mar-24	6.6	438	290	21.1	5.55	2.8	4.01	40.7	5	<2	-	<0.1	0.6	0.05	0.6
	Avg	*7.0*	*312*	*204*	*23.9*	*5.8*	*2.8*	*4.1*	*51.4*	*7.1*	*<2*	-	<0.1	*0.6*	*0.06*	*0.6*
Interim Groundwater Quality Trigger Values (Shallow and Deep Aquifers) - Bicarbonate Ammonia as N Piezo 4 Deep												**244[2]**	**1.9[2]**			
	Sep-23	7.5	545	349	96.8	13.8	2.7	10.6	33	20.7	<2	-	<0.1	<1	0.31	0.5

Piezo ID	Date	General Parameters			Major Ions								Nutrients			Misc
		pH	Electrical Conductivity	Total Dissolved Solids	Sodium	Calcium	Potassium	Magnesium	Chloride	Sulphate	Carbonate as $CaCO_3$	Bicarbonate as $CaCO_3$	Ammonia as N	Nitrate as N	Phosphorus	Total organic carbon
		-	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Piezo 4 Deep	Mar-24	6.4	377	298	59.8	12.0	6.0	9.55	25.5	7	<2	-	<0.1	0.4	0.31	0.9
	Avg	6.95	461	323.5	78.3	12.9	4.35	10.075	29.25	13.85	-	-	-	0.4	0.31	0.7
Interim Groundwater Quality Trigger Values (Shallow and Deep Aquifers) - Ammonia as N Piezo 5, Piezo 6 Deep													***0.5[1]***			
Piezo 5 Deep	Sep-23	7.3	310	198	42	12.7	2.2	8.08	52	16	<2	-	<0.1	1	0.08	<0.5
	Mar-24	6.6	284	182	34.7	12.0	3.2	9.01	12.0	6	<2	-	<0.1	0.3	0.10	<0.8
	Avg	6.95	297	190	38.35	12.35	2.7	8.545	32	11	*<2*	-	<0.1	0.65	0.09	0.65
Piezo 6 Deep	Sep-23	7.2	363	232	52.5	14.3	2.4	8.69	44	11.5	<2	-	0.1	2	0.09	<0.5
	Mar-24	6.6	379	227	35.5	12.5	3.2	8.22	27.1	6	<2	-	<0.1	0.3	0.10	<1.0
	Avg	6.9	371	229.5	44	13.4	2.8	8.455	35.55	8.75	*<2*	-	0.1	1.15	0.095	0.3

Table 22: Deep Aquifer Production Bore Groundwater Monitoring Results (Calivil Formation)

Bore ID	Date	General Parameters			Major Ions								Nutrients			Misc
		pH	Electrical Conductivity	Total Dissolved Solids	Sodium	Calcium	Potassium	Magnesium	Chloride	Sulphate	Carbonate as $CaCO_3$	Bicarbonate as $CaCO_3$	Ammonia as N	Nitrate as N	Phosphorus	Total organic carbon
		-	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Interim Groundwater Quality Trigger Values (Shallow and Deep Aquifers)		6.5 - 8.5[1]	-	1,200[1]	-	-	-	-	250[1]	250[1]	200[1]	200[1]	0.5[1]	-	-	-
Bore 1	Sep-23	7.3	153	98	18.9	6.35	<2.0	4.75	10	7.2	<2	-	<0.1	3	<0.06	<0.5
	Mar-24	6.4	162	114	18.0	5.02	2.0	4.88	5.9	1	<2	-	<0.1	<0.1	<0.33	8.8
	Avg	6.85	157.5	106	18.45	5.685	2	4.815	7.95	4.1	<2		0.1	3	0.195	8.8
Bore 2	Sep-23	7.2	208	133	17.6	20.8	<2.0	4.68	10	7.1	<2	-	0.1	2	0.01	<0.5
	Mar-24	6.4	155	180	17.5	5.05	2.1	4.80	9.4	2	<2	-	<0.1	<0.1	0.02	0.5
	Avg	6.8	181.5	156.5	17.55	12.925	2.1	4.74	9.7	4.55	-	-	0.1	2	0.015	0.5

*Guideline limit exceedances are highlighted in blue in the above table.

[1]Australian Drinking Water Guidelines (NHMRC, 2018)

[2]95th Percentile of historical data

Shallow Aquifer Piezometer Groundwater Monitoring Results (Shepparton Formation)

Laboratory analysis of the pH, Electrical Conductivity (EC) and concentration of Total Dissolved Solids (TDS) in the groundwater from the six deep piezometers installed in the shallow Shepparton Formation aquifer are as follows:

- pH was in the range 6.0 to 7.6 during the reporting period, with an average value of 6.96, which is 0.01 above the average of 6.95 recorded for the previous reporting period. pH failed to meet groundwater criteria at Piezo 1 Deep, Piezo 2 Deep, Piezo 3 Deep and Piezo 4 Deep during March 2024 (refer **Section 10.2**).
- EC of groundwater was in the range 185 to 545 µS/cm during the reporting period, with an average value of 300.6 µS/cm. This is lower than the average of 319.5 µS/cm recorded for the previous reporting period.
- TDS was in the range 118 to 349 mg/L during the reporting period, with an average value of 203 mg/L. This is lower than the average of 220.1 mg/L recorded for the previous reporting period. This is within criteria levels.

Laboratory analysis from the six deep piezometers installed in the shallow Shepparton Formation aquifer included the three nutrient compounds of ammonia, nitrate and phosphorous. Results are summarised as follows:

- Concentrations of Ammonia as N was in the range <0.1 to 0.4 mg/L over the reporting period, with an average value of 0.1 mg/L, which is the same average recorded for the previous reporting period.
- Concentrations of Nitrate as N was in the range of 0.3 to 2 mg/L over the reporting period, with an average of 0.5 mg/L. This is lower than the average of 0.7 mg/L recorded for the previous reporting period.
- Concentrations of phosphorous was in the range 0.05 to 0.36 mg/L with and average value of 0.13 mg/L. This is lower than the average of 0.2 mg/L recorded for the previous reporting period.
- Ammonia and nitrate concentrations at this location remained below the laboratory Limit of Reporting (LoR) over this period, and there are no applicable limits to phosphorous.

With the exception of pH levels at four of the deep piezometers, the results of laboratory analysis show no exceedances of criteria were measured in the groundwater samples collected from the six deep piezometers installed in the shallow Shepparton Formation aquifer. As previously stated, all six shallow piezometers installed in the shallow Shepparton Formation aquifer were found dry over the reporting period.

Deep Aquifer Production Bore Groundwater Monitoring Results (Calivil Formation)

Laboratory analysis of the pH, EC and concentration of TDS in the groundwater from the two production bores installed in the deep Calivil Formation aquifer are as follows.

- pH was in the range 6.4 to 7.3 over the reporting period, with an average value of 6.83, which is slightly higher than the 6.7 average recorded for the previous reporting period. pH was outside the criteria levels for Bore 1 and Bore 2 during March 2024.
- EC of groundwater was in the range 153 to 208 µS/cm over the reporting period, with an average value of 169.5 µS/cm. This is higher than the average of 146.5 µS/cm recorded for the previous reporting period.

- The concentration of TDS was in the range between 98 and 180 mg/L over the reporting period, with an average value of 131.25 mg/L. This is lower than the average of 107.3 mg/L recorded for the previous reporting period. This is within criteria levels.

Laboratory analysis of the groundwater from the two production bores installed in the deep Calivil Formation aquifer included the three nutrient compounds of ammonia, nitrate and phosphorous.

- Ammonia as N concentrations was in the range 0.1 mg/L to <0.1 mg/L over the reporting period.
- Nitrate as N concentrations was in the range 3 mg/L to <0.1 mg/L over the reporting period.
- Phosphorus was in the range 0.33 mg/L to <0.01 mg/L over the reporting period.
- Ammonia and nitrate concentrations at this location remained below the laboratory Limit of Reporting (LoR) over this period, and there are no applicable limits to phosphorous.

The results of laboratory analysis show no exceedances of Water Management Plan criteria were measured in the groundwater samples collected from the production bores and are considered representative of wider aquifer conditions. None of the parameters assessed were measured at concentrations considered to represent a risk to the environment. Furthermore, laboratory results indicate that groundwater has not been impacted by site activities.

7.3.3 Comparison Against the Predictions

SLR (2015a) analysed the potential impact of a pumping rate of 460 ML/year on adjacent bores and aquifer and predicted no impacts. The extraction also satisfied the Aquifer Interference Policy (NOW 2012) minimal impact considerations for a Highly Productive Water Source, with the associated drawdown predicted to not exceed two metres. There was no data showing the standing water level at the time of sampling for the two (2) production bores.

8.0 Visual Amenity and Rehabilitation

A *Landscape Management Plan* (LMP) (SLR 2015d) has been prepared in accordance with Condition B47 of SSD 6882 MOD1 and details the suitable location for tree and shrub species to be strategically planted around the perimeter of each PPU. They are planted in accordance with *Planning Guidelines Separating Agricultural and Residential Land Uses* (Queensland Department of Natural Resources 1997), these being:

- A biological buffer of a minimum total width of around 40 metres;
- Consistent, yet random, plantings of a variety of tree and shrub species of differing growth habits, at spacings of around 4 to 7 m;
- Species with long, thin and rough foliage are to be used to facilitate the capture of spray droplets and dust particles;
- A permeable barrier which allows air to pass through the buffer. The plantings will aim to achieve a porosity of around 0.5 (i.e., around 50 percent of the screen will be air space);
- The use of species that are hardy and fast growing; and
- Foliage from base to crown (i.e., lower and upper storey vegetation) is used to ensure that the buffer is effective in slowing and filtering air movement at all levels.

In accordance with Schedule 3, Condition B46, all external lighting is mounted, screened, and directed to not impact on the surrounding environment, properties and roadways. All lighting is compliant with *Australian Standard AS4282:2019 - Control of the Obtrusive Effects of Outdoor Lighting.*

8.1 Environmental Performance

As per Cassinia Environmental *ProTen Narrandera – 12 Month Post Planting Monitoring Report* dated 10 July 2023 seedling planting and Direct Seeding was completed at the ProTen farm on 1 July 2022. Cassinia Environmental returned on the 8th and 9th May 2023 to conduct the 12-month germination checks. Refer to **Figure 4** which shows the revegetation planting area and **Photo 2** showing an area of planting. Further tree planting will take place over the next 12-month period as per the Landscape Management Plan.

8.1.1 Carbon Farming

8.1.1.1 Improvement Opportunities

ProTen has established a carbon farming project as an initiative to offset carbon emissions generated by operations at Narrandera. A 200ha area near Farm 79 has been selected for a 25-year permanence period. The Australia Emissions Reduction Fund (ERF) is the accredited program with ongoing reporting and management between the planting contractor Cassinia and ProTen. The project is guided in accordance with the *Reforestation by Environmental and Mallee Plantings – FullCAM method*. Seedlings (Mallee Eucalypts) were planted and completed at the ProTen farm on 1 July 2022 . Spraying and planting was completed before the reporting period, Cassinia Environmental returned on the 8th and 9th May 2023 to conduct the 12-month germination checks. 24 points were selected across the 200 ha planting area using a random point (grid) generator in QGIS. These points formed the starting locations for the 100m transects. The surveyor followed the nearest seeding/seedling line to each point for 100m, measuring the stem height for each germinant/seedling and any other general observations. The data collected is presented below in **Table 23.**

Table 23: Response to Corrective Actions / Recommendations

Stem	Direct Seed	Seedling
Average stem count per 100m transect	13	9
Average indictive stem density (stems/ha)	219	76
Stem height minimum (cm)	1	12
Stem height Maximum (cm)	63	162
Average stem height (cm)	11	59
Median stem height (cm) (transect averages)	14	57

9.0 Independent Environmental Audit

In accordance with Schedule 4, Condition C12 of SSD 6682, an Independent Environmental Audit (IEA) was undertaken in May 2024.

The IEA found that ProTen demonstrated a reasonable level of compliance with the requirements of the Development Consent and EPL. The IEA identified twenty three (23) non-compliances during the audit period.

There are 18 corrective actions noted from the IEA, the status of these are outlined in **Table 24**. The next IEA will be undertaken in November 2026.

Table 24: Response to Corrective Actions / Recommendations

Consent Condition	Non-Compliance Risk Rating	Corrective Action / Recommendations	ProTen Response	Status and Timing of Actions
2021 IEA Corrective Actions				
Development consent, Condition A6	ProTen to engage with Baiada to review planning of population of the complex to maintain compliance with condition A6 regarding to have 36 hours in between commencement of placement of each successive farm on the complex and also to have placement of the complex over no less than 10 days.	Modification submitted to amend Condition A6	Modification was submitted and approved amending Condition A6 (MOD 1) on 21 March 2024.	Complete
Development consent, Condition B22 & B43	Reduce volume of water treatment chemicals maintained in storage sheds in line with capacity of pallet bunds.	The volume of chemicals has been reduced. Further reduction to the overall volume of chemicals in this storage area will be undertaken by moving Sodium Hypochlorite to an external storage shed.	ProTen have reviewed the pick-up frequency for empty chemical (including sanitiser) containers to prevent a large number of empty containers being stored at the Farms or sitting on the ground outside of allocated storage areas (sheds). Weekly checking of storage areas to ensure ongoing compliance. ProTen confirmed continuous monitoring of storage areas to ensure ongoing compliance. Water treatment chemicals in water treatment sheds were compliant at the time of the site inspection.	Complete

Consent Condition	Non-Compliance Risk Rating	Corrective Action / Recommendations	ProTen Response	Status and Timing of Actions
Development consent, Condition B22 & B43	Review bunding of bulk diesel tanks on each farm to ensure the bunds would contain spills from the elevated tanks.	ProTen to investigate modification options to the current bunding area to ensure spills from the elevated tanks are contained within the bund. A metal splash surround was installed around the diesel tanks on all farms during the reporting period. The purpose of this was to ensure spills can be contained within the current bund if a tank leaks.	IEA verified additional bunding recommendation was addressed by installing wrap-around metal screening on diesel tanks.	Complete
Development consent, Condition C5.	Ensure that all personnel are included in the training register.	Matthew Clough was listed on the main training register but has not been listed on the external training register tab. Training register to be updated with Matthew Clough training details	Training Register to be updated.	IEA confirms ProTen have confirmed the records are up to date.
Development consent, Condition C14.	Ensure that all information required by Condition C14 is published on the ProTen website.	The OEMP is updated with the 2020 updated Water Management Plan. Monitoring results for the Complex are to be updated to January 2021 and uploaded onto the website. This is to be completed monthly. The complaints register is to be uploaded onto the website and updated monthly.	ProTen will update website	IEA confirmed all recommendations were done, ProTen to continue to keep the website up to date. ProTen to update the OEMP to include approved MOD1 amendments, the current version of the EPL and all current water licenses (WALs), as well as the most recent consultation received from the agencies consulted in Table 2 (no comments are recorded from a number of the agencies). Ensure this latest version of the OEMP is uploaded to the ProTen website to satisfy Condition C14. ProTen have confirmed there are no complaints received for the period of 23/24.

Consent Condition	Non-Compliance Risk Rating	Corrective Action / Recommendations	ProTen Response	Status and Timing of Actions
Development consent, Condition C14.	Notify the public that the Freecall Environmental number is a complaints line.	The complaints and enquiries number is available on the website at the time of the IEA site inspection. Also the number is displayed at the front entrance of the development.	ProTen have actioned, and also note they have not received a complaint for the period 23/24.	Complete
Development consent, Condition B45.	Ensure that monthly inspections of the surface water management systems include identifying areas of erosion and that works are undertaken to rectify identified erosion.	Monthly inspections of surface water management systems to be recorded on a form detailing erosion and corrective actions to be taken.	ProTen to carry out monthly inspections using form.	Complete, ProTen confirmed that the Environmental inspection form has been updated to include dams.
Development consent, Condition B22.	Provide flammable cabinet for storage of small quantities of flammable liquids and gases in the store/workshop.	Provide flammable cabinet for storage of small quantities of flammable liquids and gases in the store/workshop. Continuous reviews of quantities to be undertaken on a monthly basis. If larger quantities of flammables required, then purchase of a flammable's cabinet will be considered.	ProTen advised Quantities of flammable liquids stored in quantities of less than 5L, therefore not requiring storage within a flammable's cabinet.	Complete
Development consent, Condition B47.	Review vegetation buffers and schedule replanting in spring 2021 where vegetation plantings will not provide a 40 m buffer around each farm.	Planting to be undertaken by end of Spring 2021 as per guidelines for species selected.	ProTen have done additional planting as per Cassinia Environmental ProTen Narrandera – 12 Month Post Planting Monitoring Report dated 10 July 2023 seedling planting and Direct Seeding was completed at the ProTen farm on 1 July 2022.	Completed and ongoing.
Development consent, Condition C4.	Maintain a record of reviews of management plans.	Monthly Environmental meetings currently being held with SLR to minute reviews and changes to Management plans as per the schedule.	ProTen are reviewing management plans and updating them as per MOD1.	Ongoing, ProTen to update the OEMP to include the approved MOD1 amendments, the current version of the EPL and all current water licenses (WALs), as well as the most recent consultation received from the agencies

Consent Condition	Non-Compliance Risk Rating	Corrective Action / Recommendations	ProTen Response	Status and Timing of Actions
				consulted in Table 2 (no comments are recorded from a number of the agencies). Ensure this latest version of the OEMP is uploaded to the ProTen website to satisfy Condition C14. ProTen have confirmed there are no complaints received for the period of 23/24.
Development consent, Condition B45.	ARTL personnel conducting water quality sampling to include full name on COC.	Aitkin Rowe to be requested in writing to list the full name of the person conducting the water sampling.	ProTen provided ARTL Groundwater and Surface Water monitoring GW23-11 October 2023 and GW24-05 for May 2024	Complete, ARTL Groundwater and Surface Water monitoring GW24-05 has names listed.
2024 IEA Corrective Actions				
Development consent, Condition A2.	Terms of Consent (EIS)	NC REC 1: ProTen to include the additional unapproved office building in the SSD6882 Modification application	DA submitted and approved for Dwelling	Complete, DA-023-2023-2024 supplied to SLR for Rural Workers Dwelling with Construction Certificate certifying the dwelling is complete.
Development consent, Condition A2.	Operational Limits	NC REC 2: ProTen to apply for Modification due to the ongoing non-compliance in the project exceeding production and population limits.	ProTen applied and received approval for MOD1 on 21 March 2024 amended Condition A6 as per below a) The Development does not exceed a maximum population of 4.4608 million broilers at any one time; and (b) the Development is not populated with 4.4608 million broilers in one day at the commencement of each production cycle.	Complete

Consent Condition	Non-Compliance Risk Rating	Corrective Action / Recommendations	ProTen Response	Status and Timing of Actions
Development consent, Condition A9.	Structural Adequacy	NC REC 3: ProTen to engage certifiers and pursue an occupation certificate retrospectively for the completed Shed 3 and new office at the site.	DA and construction Certificate provided for Dwelling. It is noted Shed 3 was subject to a fire damage and re-built.	Construction certificate Issued 12/08/2021.
Development consent, Condition B16.	Traffic Management Plan	NC REC 4: Update the induction process to require the Drivers Code of Conduct/Driver Inductions to be re-signed annually in the online induction system, and keep these records easily accessible	The Drivers Code of Conduct is not currently re-signed annually. ProTen will incorporate this into the induction process. It is impractical to capture all heavy vehicle drivers when they change frequently. A review of this requirement in the Traffic Management Plan will explored.	ProTen to require the Drivers Code of Conduct/Driver Inductions to be re-signed annually in the online induction system or amend Traffic Management Plan to delete the requirement.
Development consent, Condition B27 & C15.	Construction Noise	NC REC 5: Update records-management procedures and include the responsibility across more than one position to ensure sound record-keeping. This should be done in Section 3.2 of the OEMP to clearly outline roles for the development, including the Environmental Representative position described in Condition C15 of the Consent.	OEMP will be updated by 02/08/24.	ProTen to update OEMP with name of Environmental Representative, OEMP will be updated by 02/08/24.
Development consent, Condition C1.	Construction Environmental Management Plan	NC REC 6: Restore the CEMP and TMP (may need to be requested from previous contractors). Alternatively, update the OEMP to describe the construction activities permitted under the Consent and associated requirements, and update the traffic section.	OEMP will be updated by 02/08/24.	ProTen to update OEMP with construction activities and Traffic management, OEMP will be updated by 02/08/24.

Consent Condition	Non-Compliance Risk Rating	Corrective Action / Recommendations	ProTen Response	Status and Timing of Actions
Development consent, Condition C8	Annual Return	NC REC 8: Once Annual Returns are submitted via the EPA's submission portal, request signatures on the Certification statement to close out the Annual Return submission and retain signed copies as final copies.	The annual return is submitted electronically, hence no signatures are available.	ProTen to request signatures on the Certification statement to close out the Annual Return.

*Completed actions are deemed as not being non-compliances

10.0 Complaints, Incidents and Non-Compliances

10.1 Complaints

A *Complaints Management Strategy* has been prepared as part of the OEMP. The *Complaints Management Strategy* aims to ensure that all complaints relating to the poultry operation are promptly and effectively addressed.

ProTen Narrandera's telephone number is clearly displayed on the site's entrance and a 24-hour hotline number (1800 776 994) is available for anyone wishing to make an enquiry or lodge a complaint.

There were no complaints received at ProTen Narrandera during the reporting period.

10.2 Incidents and Non-Compliance

All incidents, non-compliances and exceedances related to SSD 6882, EPL 20748, and relevant management plans are summarised in **Table 25.**

Table 25: Non-Compliances and Exceedances

Date	Non-Compliance	Summary	Details/Response	Corrective Action
22/4/23 to 21/4/24	SSD 6882, Condition A9.	ProTen to engage certifiers and pursue an occupation certificate retrospectively for the completed Shed 3.	ProTen to obtain Building certification.	Construction certificate Issued 12/08/2021.
21/3/24 to 21/4/24	SSD 6882, Condition B16.	Failure to re-signed the Drivers Code of Conduct/Driver Inductions annually in the online induction system, and keep these records easily accessible.	The Drivers Code of Conduct is not currently re-signed annually. It is impracticable to capture all heavy vehicle drivers when frequently change. ProTen will request a review of the requirement in the Traffic Management Plan.	ProTen to require the Drivers Code of Conduct/Driver Inductions to be re-signed annually in the online induction system or amend Traffic Management Plan to delete the requirement, the CEMP and Traffic Management Plan by 02/08/24.
21/3/24 to 21/4/24	SSD 6882 Condition C1.	Failure to provide records as evidence of implementing the CEMP during the construction of Shed 3 and the office.	ProTen to update the CEMP and Traffic Management Plan to describe the construction activities permitted under the Consent and associated requirements.	ProTen to update the CEMP and Traffic Management Plan by 02/08/24.

Date	Non-Compliance	Summary	Details/Response	Corrective Action
22 May 2023	SSD 6882 Schedule 3, Condition B45	The surface water quality limits in the WMP were exceeded	Exceedance of surface water triggers for Total Nitrogen (mg/L), Nitrate/Nitrite as N (mg/L) and Total Phosphorous (mg/L) were exceeded at sediment dams. PPU 1, PPU2, PPU3, PPU4 and PPU5. DPE, EPA and NRAR were all notified accordingly.	SLR were commissioned by ProTen to complete the investigation into the exceedances of Total Nitrogen, Nitrate/Nitrite as N and Total Phosphorus at sediment dams PPU1, PPU2, PPU3, PPU4 and PPU5 which SLR provided via report on 20 April 2023 (SLR, 2023b). ProTen submitted this report to the DPHI, which the DPHI responded to on 22 May 2023, requesting ProTen submit a revised WMP. The WMP was updated February 2024 to include these updates. Note the revised WMP is under assessment by DPHI (former DPE).
23 October 2023	SSD 6882 Condition A2 Water Management Plan Section 9(b)	Groundwater monitoring recorded Standing Water Levels ±2m from predicted groundwater drawdown. Implementation of Surface Water and Groundwater Response Plan within the Water Management Plan	Piezo 1, 2 & 3 registered between 2.0m-3.1m reduction in Standing Water Level during the September 2023 sampling event and has therefore exceeded the 2m trigger level from baseline average outlined in the WMP.	The WMP was updated February 2024 (see above) to include these updates. ProTen implemented the Surface Water and Groundwater Response Plan within the Water Management Plan.

Date	Non-Compliance	Summary	Details/Response	Corrective Action
23 October 2023 to 17 November 2023	SSD 6882 Condition C10	The surface water and groundwater exceedances were not reported to the Secretary and any other relevant agencies within 7 days of detection.	23 October 2023 monitoring reports indicated surface water triggers for Total Nitrogen (mg/L), Nitrate/Nitrite as N (mg/L) and Total Phosphorous (mg/L) were exceeded at sediment dams. PPU 1, PPU2, PPU3, PPU4 and PPU5. Additionally, the groundwater results indicated the drawdown criteria of – 2 m was exceeded at Piezo1 Deep, Piezo 2 Deep and Piezo 3 Deep. DPHI, EPA and NRAR were all notified accordingly on 17 November 2023.	Currently ProTen do not receive water monitoring results from the contractor until approximately a month following the sampling date. This has resulted in exceedances being identified outside the 14-day notification requirement outlined in the Water Management Plan. The Water Management Plan was updated in February 2024 to state: *Where monitoring results indicate that a trigger value has been breached, the regulatory agency will be notified within 14 days of ProTen being notified an exceedance has occurred (allowing time for laboratory analysis and review of laboratory results by an appropriately qualified person).* Note the WMP is with DPHI for assessment. Therefore, the revised wording is not applicable during this reporting period.
21 September 2023 (Quality only)	Water Management Plan Section 9 (b)	Implementation of Surface Water and Groundwater Response Plan within the Water Management Plan	It is understood ProTen received the water monitoring results (sampled on 21 September) on 23 October 2023. ProTen notified DPHI, EPA and NRAR of the breach of nutrient criteria outlined in the Water Management Plan on 17 November 2023. These constitute non-compliances against Section 9 (b) of the Water Management Plan which states: *Where monitoring results indicate that a trigger value has been breached, the regulatory agency will be notified within 14 days of completion of monitoring.*	Currently ProTen do not receive water monitoring results from the contractor until approximately a month following the sampling date. This has resulted in exceedances being identified outside the 14-day notification requirement outlined in the Water Management Plan. The Water Management Plan was updated in February 2024 to state: Where monitoring results indicate that a trigger value has been breached, the regulatory agency will be notified within 14 days of ProTen being notified an exceedance has occurred (allowing time for laboratory analysis and review of laboratory results by an appropriately qualified person). Note the WMP is with DPHI for assessment. Therefore, the revised wording is not applicable during this reporting period.

Date	Non-Compliance	Summary	Details/Response	Corrective Action
15 March 2024 (Quality only)			It is understood ProTen received the water monitoring results (sampled on 15 March) on 7 May 2024. ProTen notified DPHI, EPA and NRAR of the breach of nutrient criteria outlined in the Water Management Plan. These constitute non-compliances against Section 9 (b) of the Water Management Plan which states: *Where monitoring results indicate that a trigger value has been breached, the regulatory agency will be notified within 14 days of completion of monitoring.*	
22/04/2023 to 21/04/2024	SSD 6882 Condition A6 (d)	There must be a minimum of 36 hours between the commencement of broiler accommodation in each Poultry Production Unit.	The time between commencement of placement between PPU's was less than 36 hours on 12 out of 30 placements during the reporting year. There were no adverse effects or complaints given the large distances between individual farms.	ProTen applied and been granted for a modification to SSD 6882 to delete Condition A6 (d) hence the non-compliance ceased 21/4/24 with the approval of MOD1.

Date	Non-Compliance	Summary	Details/Response	Corrective Action
	EPL 20748 Condition O.4.1			It is noted that MOD1 had the 36-hour requirement deleted (Condition A6 (d) on 21/4/24. The EPL variation request was submitted on 1/07/2024 to match the MOD1 changes including the deletion of condition O4.1 which states 'There must be a minimum of 36 hours between the commencement of broiler accommodation in each Poultry Production Unit'.
22/04/2023 to 21/04/2024	SSD 6882 Condition A6 (e)	The time period for the population of the entire farm (all five PPUs) shall be a minimum of 10 days.	On five occasions during the reporting period, population of the 5 farms was undertaken in less than 10 days.	ProTen applied and been granted for a modification to SSD 6882 to delete Condition A6 (e) hence the non-compliance ceased 21/4/24 with the approval of MOD1.
22/04/2023 to 21/04/2024	SSD 6882 Condition C7(a)	Strategies, plans and programs must be reviewed and if necessary revised following submission of an Annual Review.	ProTen have confirmed OEMP will be updated by 02/08/24	ProTen to update OEMP, Emergency Disposal and Bio-security Protocol and other sub plans and protocols that require amendments after review.

Date	Non-Compliance	Summary	Details/Response	Corrective Action
22/04/23 to 28/06/23	EPL 20748 Condition A1.1	This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation. Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition.	Non-compliance with operational limits prior to 28 June 2023, with the accommodation capacity was limited to > 1000-3000 T accommodation capacity. Exceedances in the total population meant this limit was exceeded. ProTen applied to vary the EPL with the EPA on 24-May-2023 to address the non-compliance with the accommodation limit of 1000-3000 T.	The EPL was varied on 28-Jun-2023. Therefore, from 28-June-2023 onwards Narrandera is compliant with the accommodation limit shown here in Condition A1.1.

11.0 Activities to be Completed During Next Reporting Period

The following activities are proposed to be undertaken during the next reporting period:

- Carbon Farming Project – continue germination checks in June 2024;
- Continued landscaping maintenance in accordance with the Landscape Management Plan;
- Continued surface water and groundwater monitoring in accordance with the WMP;
- Update the OEMP and other relevant Narrandera Management Plans to meet recommendations from:
    - SLR's management plan review titled 'Operational Management Plan Review – SSD 6882' dated 12 December 2023; and
    - SLR's management plan report titled 'Management Plan Review – SSD 6882' dated 21 June 2024 which was triggered by MOD 1 and incorporates the recommendations from Integrated Environmental Management Australia (IEMA's) Independent Environmental Audit (IEA) prepared by and submitted to DPHI on 24 May 2024. Note the updates will include revision of the CEMP and Traffic Management Plan.
- ProTen to continue to keep website updated with current versions of management plans and other required documentation;
- ProTen to provide certification for re-construction of Shed 3.

12.0 References

Australian Poultry CRC (2008) *National Animal Welfare Standards for the Chicken Meat Industry*

Aitken Rowe Groundwater and Surface Water Monitoring September 2023 and March 2024

Aitken Rowe (2018) *Geotechnical Investigation – Existing Sediment Ponds, Existing Poultry Farms 75 to 79, Sturt Highway, Euroley, NSW*

Cassinia Environmental - *ProTen Narrandera – 12 Month Post Planting Monitoring Report* (July 2023)

Landcom NSW (2004) *Managing Urban Stormwater: Soils & Construction – Volume 1, 4th Edition.*

IEMA Independent Environmental Audit *Narrandera Poultry Production Complex (2024)*

NSW Government (2015) *Annual Review Guideline*

Office of Environment and Heritage (2014) *NSW Biodiversity Offsets Policy for Major Projects*

OzArk Environment and Heritage (2016) *Narrandera Poultry Production Complex (SSD 6882), Aboriginal Cultural Heritage Management Plan*

SLR Consulting Australia (2024) Narrandera Poultry Production Complex (SSD 6882), *Air Quality Management Plan*

SLR Consulting Australia (2015a) *Euroley Poultry Production Complex SSD 6882, Environmental Impact Statement*

SLR Consulting Australia (2015c) *Euroley Poultry Production Facility, Biodiversity Offset Strategy*

SLR Consulting Australia (2024) *Narrandera Poultry Production Complex (SSD 6882), Landscape Management Plan*

SLR Consulting Australia (2024) *Narrandera Poultry Production Complex (SSD 6882), Construction Environmental Management Plan*

SLR Consulting Australia (2024) *Narrandera Poultry Production Complex (SSD 6882), Waste Management Plan*

SLR Consulting Australia (2024) *Narrandera Poultry Production Complex (SSD 6882), Biodiversity Management Plan*

SLR Consulting Australia (2024) *Narrandera Poultry Production Complex (SSD 6882), Emergency Disposal and Biosecurity Plan*

SLR Consulting Australia (2024) *Narrandera Poultry Production Complex (SSD 6882), Operational Environmental Management Plan*

SLR Consulting Australia (2024) Narrandera Poultry Production Complex (SSD 6882), Water Management Plan

SLR Consulting Australia (2024) Narrandera Poultry Production Farm Emergency Plan

SLR Consulting Australia (2023) ProTen Narrandera-Surface Water Investigation

SLR Consulting Australia (2023) ProTen Narrandera-Surface Water Quality Trigger Review

13.0 Feedback

At SLR, we are committed to delivering professional quality service to our clients. We are constantly looking for ways to improve the quality of our deliverables and our service to our clients. Client feedback is a valuable tool in helping us prioritise services and resources according to our client needs.

To achieve this, your feedback on the team's performance, deliverables and service are valuable and SLR welcome all feedback via https://www.slrconsulting.com/en/feedback. We recognise the value of your time and we will make a $10 donation to our Charity Partner - Lifeline, for every completed form.

Appendix A Development Consent SSD 6882

2023-2024 Annual Review

Narrandera Poultry Production Complex

ProTen Limited

SLR Project No.: 630.V14117.00001

30 July 2024

Development Consent

Section 4.38 of the Environmental Planning and Assessment Act 1979

As delegate of the Minister for Planning and Public Spaces / Independent Planning Commission under delegation executed on 9 March 2022, I approve the Development Application referred to in Schedule 1, subject to the conditions specified in Schedule 2.

These conditions are required to:

- prevent, minimise, or offset adverse environmental impacts;
- set standards and performance measures for acceptable environmental performance;
- require regular monitoring and reporting; and
- provide for the ongoing environmental management of the development

Garry West
Member of the Commission

Andrew Stoeckel
Member of the Commission

Sydney 9 November 2015

The Department has prepared a consolidated version of the consent which is intended to include all modifications to the original determination instrument.

The consolidated version of the consent has been prepared by the Department with all due care. This consolidated version is intended to aid the consent holder by combining all consents relating to the original determination instrument but it does not relieve a consent holder of its obligation to be aware of and fully comply with all consent obligations as they are set out in the legal instruments, including the original determination instrument and all subsequent modification instruments.

CONSOLIDATED CONSENT

SCHEDULE 1

Application Number:	SSD-6882
Applicant:	ProTen Limited
Consent Authority:	Minister for Planning
Site:	**Part lot 39 DP 750876, part lots 12 and 15 DP 750898, Lot 1 DP 750898, and Lots 1-4 DP 1221813, Euroley, Narrandera Local Government Area**
Development:	Construction and operation of the Euroley Poultry Production Complex, including: • five Poultry Production Units (PPU), consisting of 16 tunnel ventilated, fully enclosed, climate controlled poultry sheds (a total of 80 sheds); • a maximum operational capacity of **up to 4.4608** million broilers at any one time; • bulk earthworks; • internal access roads and construction pads; • 10 residential dwellings for farm manager accommodation; • on-site water detention dams; • four new groundwater bores, located in pairs; • stormwater management infrastructure; • intersection upgrade works along the Sturt Highway; • eight (8) above ground LPG storage tanks per PPU, with a capacity of 7,500 litres each (300,000 litres and 40 tanks in total); • feed, bedding, chemical and dead broiler storage; and • supporting infrastructure, services and utilities.

SUMMARY OF MODIFICATIONS

Application Number	Determination Date	Decider	Modification Description
SSD-6882-Mod-1	21st March 2024	Team Leader	Modification to: • increase maximum number of broilers; • change bird placement regime; and • allow use of A-Double Heavy Vehicles.

DEFINITIONS

Act, the	*Environmental Planning and Assessment Act, 1979*
Applicant, the	ProTen Limited, or anyone else entitled to act on this consent
BCA	*Building Code of Australia*
Broiler	A breed of chicken bred and raised specifically for chicken meat production
CEMP	Construction Environmental Management Plan
Certifying Authority	Means a person who is authorised by or under section 109D of the *Environmental Planning and Assessment Act 1979* to issue certificates
Construction	The demolition of buildings or works, the carrying out of works, including bulk earthworks, and erection of buildings and other infrastructure covered by this consent
Council	Narrandera Shire Council
Day	The period from 7am to 6pm on Monday to Saturday, and 8am to 6pm on Sundays and Public Holidays
Department	Department of Planning and Environment and its successors
Development	The Development to which this consent applies, the scope of which is described in Schedules 1, being for the construction and operation of an intensive livestock agriculture facility
DPI	NSW Department of Primary Industries
EEC	Endangered Ecological Communities
EIS	Environmental Impact Statement titled, *"Euroley Poultry Production Complex – SSD 6882*", prepared by SLR Consulting Australia Pty Ltd, dated 20 May 2015
EPA	Environment Protection Authority
EPL	Environment Protection Licence under the *Protection of the Environment Operations Act 1997*
Evening	The period from 6pm to 10pm
Feasible	Feasible relates to engineering considerations and what is practical to build
Heavy vehicle	Any vehicle with a gross vehicle mass of 5 tonnes or more
Heritage	Encompasses both Aboriginal and historic heritage including sites that predate European settlement, and a shared history since European settlement such as a shared associations in pastoral landscapes as well as associations linked with the mission period
Heritage Item	An item as defined under the *Heritage Act 1977*, and assessed as being of local, State and/ or National heritage significance, and/or an Aboriginal

	Object or Aboriginal Place as defined under the *National Parks and Wildlife Act 1974*
ICNG	NSW Interim Construction Noise Guideline, DECC 2009
Incident	A set of circumstances that: • causes or threatens to cause material harm to the environment; and/or • breaches or exceeds the limits or performance measures/criteria in this consent
INP	NSW Industrial Noise Policy, EPA 2000
Management and Mitigation Measures	The Management and Mitigation Measures at Appendix 1 of this consent
Minister	Minister for Planning
Mitigation	Activities associated with reducing the impacts of the Development prior to or during those impacts occurring
Modification Assessment	**The document assessing the environmental impact of a proposed modification of this consent and any other information submitted with the following modification applications made under the EP&A Act:** **(1) SSD-6882-Mod-1 - Euroley Poultry Farm SSD-6882 Modification Application, prepared by PSA Consulting, dated 14 August 2023, as amended by the letter titled SSD-6882-Mod 1 (Proten Euroley Farm) Response To TfNSW dated 22 November 2023 and letters titled SSD-6882-Mod 1 (Proten Euroley Farm) Response To DPI – Agriculture dated 11 December 2023 and 31 January 2024.**
Night	The period from 10pm to 7am on Monday to Saturday, and 10pm to 8am on Sundays and Public Holidays
NOW	NSW Office of Water
OEH	Office of Environment and Heritage
OEMP	Operational Environmental Management Plan
POEO Act	*Protection of the Environment Operations Act 1997*
PPU	Poultry Production Unit, a group of poultry sheds, feed and water storage, workshop, staff amenities, stormwater and wastewater infrastructure
Reasonable	Reasonable relates to the application of judgement in arriving at a decision, taking into account: mitigation benefits, cost of mitigation versus benefits provided, community views and the nature and extent of potential improvements
Regulation, the	*Environmental Planning and Assessment Regulation 2000*

RMS	Roads and Maritime Services
RTS	Response to Submissions titled, "*Euroley Poultry Production Complex (SSD 6882), Response to Submissions*", prepared by SLR Consulting Australia Pty Ltd, dated 1 September 2015
Secretary	Secretary of the Department of Planning and Environment, or nominee
Site	Land referred to in Schedule 1

SCHEDULE 2

PART A: ADMINISTRATIVE CONDITIONS

OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT

A1. In addition to meeting the specific performance criteria established under this consent, the Applicant shall implement all reasonable and feasible measures to prevent and/or minimise any harm to the environment that may result from the construction or operation of the Development.

TERMS OF CONSENT

A2. The Applicant shall carry out the Development in accordance with:

(a) State Significant Development Application SSD 6882;
(b) Environmental Impact Statement, titled "*Euroley Poultry Production Complex – SSD 6882*" volumes one to three, prepared by SLR Consulting Australia Pty Ltd, dated 20 May 2015;
(c) Response to Submissions report, titled "*Euroley Poultry Production Complex (SSD 6882), Response to Submissions*" prepared by SLR Consulting Australia Pty Ltd dated 1 September 2015;
(d) the Management and Mitigation Measures located at Appendix 1;
(e) the plans and drawings located at**; and**
(f) in accordance with Modification Assessments.

A3. If there is any inconsistency between the plans and documentation referred to in Condition A2 above, the most recent document shall prevail to the extent of the inconsistency. However, conditions of this consent prevail to the extent of any inconsistency.

A4. The Applicant shall comply with any reasonable requirement(s) of the Secretary arising from the Department's assessment of:

(a) any reports, plans or correspondence that are submitted in accordance with this consent; and
(b) the implementation of any actions or measures contained within these documents.

LIMITS OF CONSENT

A5. This consent lapses five years after the date from which it operates, unless the Development has physically commenced on the land to which the consent applies before the date on which the consent would otherwise lapse under Section 95 of the Act.

Farm Operations

A6. The Applicant shall ensure that:

(a) the Development does not exceed a maximum population of 3.92 million broilers at any one time;
(b) the stocking densities of the Development comply at all times with the standards detailed in *National Animal Welfare Standards for the Chicken Meat Industry* (Barnett et al, 2008), as amended;
(c) the Development is not populated with 3.92 million broilers in one day at the commencement of each production cycle; **and**
(d) **no more than 16 poultry sheds are to be populated by broilers each day.**

A6A. Notwithstanding condition A6, where the intersection works described in condition B14A have been completed to RMS' satisfaction, the Applicant must ensure

(a) The Development does not exceed a maximum population of 4.4608 million broilers at any one time; and
(b) the Development is not populated with 4.4608 million broilers in one day at the commencement of each production cycle.

Farm manager accommodation

A7. The ten residential dwellings for farm manager's accommodation as described in the EIS are only to be occupied by persons employed by the Applicant, their spouse and dependants for the operational life of the Development to manage poultry operations on-site and shall not be occupied or let for any other purpose.

STATUTORY REQUIREMENTS

A8. The Applicant shall ensure that all licences, permits and approvals are obtained and kept up to date as required throughout the life of the Development. No condition of this consent removes the obligation the Applicant to obtain, renew or comply with such licences, permits or approvals.

STRUCTURAL ADEQUACY

A9. The Applicant shall ensure that all new buildings and structures on the site are constructed in accordance with the relevant requirements of the *Building Code of Australia* (BCA).

Notes:

- *Under Part 4A of the EP&A Act, the Applicant is required to obtain construction and occupation certificates for the proposed building works.*
- *Part 8 of the EP&A Regulation sets out the requirements for the certification of the project.*

RESIDENTIAL WORKS

A10. The Applicant shall ensure that any residential works work must be carried out:

(a) in accordance with the requirements of the BCA; and
(b) in accordance with Part 6, Division 8A of the Regulation.

STAGED SUBMISSION OF PLANS AND PROGRAMS

A11. With the approval of the Secretary, the Applicant may:

(a) submit any strategy, plan or program required by this consent on a progressive basis; and/or
(b) combine any strategy, plan or program required by this consent.

DISPUTE RESOLUTION

A12. In the event of a dispute between the Applicant and a public authority, in relation to an applicable requirement in this consent or relevant matter relating to the Development, either party may refer the matter to the Secretary for resolution. The Secretary's determination of any such dispute shall be final and binding on the parties.

SECTION 94A CONTRIBUTIONS

A13. In accordance with Division 6 of Part 4 of the EP&A Act, the Applicant shall pay Narrandera Shire Council Section 94A contributions to the sum 0.5% of construction cost in the form of cash of bank cheque made out to Narrandera Shire Council. Evidence of payment to Council shall be submitted to the Certifying Authority prior to the issue of a Construction Certificate.

Note: The contributions shall be adjusted in accordance with the requirements of the current Narrandera Shire Council s94A Contributions Plan, February 2014, as amended.

UTILITIES AND SERVICES

A14. Utilities, services and other infrastructure potentially affected by the construction and operation of the Development shall be identified prior to construction to determine requirements for access to, diversion, protection, and/or support. Consultation with the relevant owner and/or provider of services that are likely to be affected by the Development shall be undertaken to make suitable arrangements for access to, diversion, protection, and/or support of the affected infrastructure as required. The cost of any such arrangements shall be borne by the Applicant.

EASEMENTS

A15. An easement for access to the Development site shall be created through the privately owned land described as lots 12 and 15 in Deposited Plan 750898 and Lot 39 in Deposited Plan 750876 between the Development site and the intersection with the Sturt Highway.

A16. A section 88B restriction as to user shall be created so that the owner of the Development site shall be responsible for the construction and maintenance of the access road and any associated services such as drainage, within the easement for the life of the Development. The restriction as to user shall detail the required standard for maintenance including 50 m seal extending from the Sturt Highway intersection and all weather gravel construction for the remainder in accordance with Austroads Guidelines.

A17. Narrandera Shire Council shall be prescribed within the s88B instrument as an authority whose consent is required to release, vary or modify the burden/benefits.

BOUNDARY ADJUSTMENT

A18. The Applicant is required to undertake boundary adjustments to ensure that each Poultry Production Unit and the associated ancillary manager's accommodation are wholly contained with its own allotment. Evidence of lodgement with the Lands Title Office to be submitted to the Certifying Authority priori to any Occupation Certificate for the development.

SCHEDULE 3

PART B: ENVIRONMENTAL PERFORMANCE

AIR QUALITY AND ODOUR

Air Quality Discharges

B1. The Applicant shall install and operate equipment in line with best practice to ensure that the Development complies with all load limits, air quality criteria and air quality monitoring requirements as specified in the EPL for the site.

Odour

B2. The Applicant shall ensure the Development does not cause or permit the emission of any offensive odour (as defined in the POEO Act).

Air Quality Management Plan

B3. Prior to the commencement of operation, the Applicant shall prepare an **Air Quality Monitoring Program** (AQMP) for the Development, to the satisfaction of the Secretary. The AQMP shall form part of the OEMP in Condition C4 and be prepared in accordance with Condition C6 and any other requirements of the EPL for the site. The AQMP shall:

(a) be prepared in consultation with the EPA;
(b) detail and rank all emissions from all sources of the Development, including particulate emissions;
(c) describe a program that is capable of evaluating the performance of the operation and determining compliance with key performance indicators;
(d) identify the control measures that that will be implemented for each emission source; and
(e) nominate the following for each of the proposed controls:
    (i) key performance indicator;
    (ii) monitoring method;
    (iii) location, frequency and duration of monitoring;
    (iv) record keeping;
    (v) complaints register;
    (vi) response procedures; and
    (vii) compliance monitoring.

Odour Validation Audit

B4. When directed by the EPA, the Applicant must submit an Odour Validation Report (OVR) to the EPA. The OVR must:

(a) be carried out by a suitably qualified independent expert experienced in the characterisation and treatment of odours from chicken broiler farms from the Development;
(b) include a summary of any odour complaints received and actions taken to reduce odour emissions where complaints are verified;
(c) where possible include a field odour survey that characterises the frequency, intensity, duration, offensiveness, location and extent of off-site odours;
(d) benchmark the design and management practices at the premises against industry best practice for minimising odour emissions, including investigation of newly developed and emerging control technology;
(e) within six (6) weeks after being directed by the EPA, present a report to the EPA that determines compliance with S129 of the POEO Act and recommend if additional odour mitigation measures are required;
(f) consider odour generation associated with stocking densities and rates and PPU population practices outlined in Condition A6;
(g) where additional odour measures are recommended or odour issues are identified as being from stocking densities, rates or PPU population practices, appropriate mitigation measures or management practices must be nominated to ensure that odour is minimised as far as practicable; and
(h) any odour mitigation measures nominated must include a timetable for implementation.

Meteorological Monitoring

B5. During the operational life of the Development, the Applicant shall ensure that there is a suitable meteorological station on the site that complies with the requirements in the latest version of the *Approved Methods for Sampling of Air Pollutants in New South Wales* guideline. The meteorological station must be maintained so as to be capable of continuously monitoring the following parameters: air temperature, wind direction, wind speed, rainfall and relative humidity and any other requirements specified in the EPL.

Dust Management

B6. The Applicant shall carry out all reasonable and feasible measures to minimise dust generated by the Development.

B7. During construction and operation of the Development, the Applicant shall ensure that:

(a) all vehicles on-site do not exceed a speed limit of 60 kilometres per hour;
(b) all loaded vehicles entering or leaving the site have their loads covered;
(c) all loaded vehicles leaving the site are cleaned of dirt, sand and other materials before they leave the site, to avoid tracking these materials on public roads; and
(d) all heavy vehicles do not use engine brakes.

ANIMAL WELFARE AND BEST PRACTICE

B8. The Applicant shall ensure that the Development complies with the relevant requirements for the welfare of the broilers, particularly health, housing, watering, feeding, handling and transport, including, but not limited to those contained within the:

(a) National Animal Welfare Standards for the Chicken Meat Industry (Barnett et al. 2008)
(b) NSW DPI *Best Practice Management for Meat Chicken Production in NSW* – Manual 2 (2012);
(c) National Farm Biosecurity Manual for Chicken Growers (ACMF, 2000);
(d) Model Code of Practice for the Welfare of Animals – Domestic Poultry, 4th Edition (PISC, 2002);
(e) Model Code of Practice for the Welfare of Animals, Land Transport of Poultry (PISC, 2006); and
(f) Management and Mitigation Measures located at Appendix 1.

Disease Management

B9. Prior to the commencement of operation, the Applicant shall prepare an **Emergency Disposal and Bio-security Protocol**, detailing the disposal procedures for a mass mortality event, to the satisfaction of the Secretary. The protocol shall form part of the OEMP in Condition C4 and be prepared in accordance with Condition C6. The protocol shall:

(a) be prepared in consultation with Council, DPI and other relevant government agencies;
(b) be consistent with the relevant AUSTVETPLAN manuals and supporting documents;
(c) describe the notification procedures;
(d) detail all transport routes to be used in a mass mortality event;
(e) detail any requirements to stage the mass disposal of dead broilers;
(f) detail the burial location(s) for the disposal of dead broilers, including plans and drawings;
(g) detail the measures to maintain quarantine control; and
(h) detail the mass mortality disposal procedures and options, consistent with section 6.12.2 of the EIS and section 2.1.10 of the RTS.

BIODIVERSITY

Biodiversity Offset Strategy

B10. The Applicant shall implement the strategy for offsetting impacts as described in the *Biodiversity Offset Strategy* at Appendix K of the RTS prepared by SLR (dated 31 August 2015) and developed in accordance with the *Framework for Biodiversity Assessment* (OEH 2014) and the *NSW Biodiversity Offsets Policy for Major Projects* (OEH 2014). The advertisement period for the Expression of Interest on the Office of Environment and Heritage's 'Credit Wanted' register will be 12 months.

B11. Within three months of the conclusion of the advertisement period, or as otherwise agreed to by the Secretary, the Applicant shall demonstrate to the satisfaction of the Secretary that the offset strategy actions

set out in Section 4.3 of the *Biodiversity Offset Strategy* at Appendix K of the RTS prepared by SLR (dated 31 August 2015) have been completed.

Biodiversity Management Plan

B12. Prior to the commencement of operation, the Applicant shall prepare a **Biodiversity Management Plan** (BMP) for the Development to the satisfaction of the Secretary. The Biodiversity Management Plan shall form part of the OEMP in Condition C4 and be prepared in accordance with Condition C6 and the *Biodiversity Offset Strategy* prepared by SLR, dated 31 August 2015 (Appendix K of the RTS) and in consultation with the OEH.

TRAFFIC AND TRANSPORT

Site Access, Internal Roads and Parking

B13. The Applicant shall ensure that:

(a) internal roads, driveways and parking (including grades, turn paths, sight distance requirements, aisle widths, aisle lengths and parking bay dimensions) associated with the Development are constructed and maintained in accordance with the latest versions of AS 2890.1 and AS 2890.2;
(b) the sweep path of the longest vehicle entering and exiting the subject site, as well as manoeuvrability through the site, is in accordance with AUSTROADS;
(c) the Development does not result in any vehicles queuing on the public road network;
(d) heavy vehicles and bins associated with the Development do not park or stand on local roads or footpaths in the vicinity of the site;
(e) all vehicles are wholly contained on site before being required to stop;
(f) all loading and unloading of materials is carried out on site;
(g) the proposed turning areas in the car park are kept clear of any obstacles, including parked cars, at all times.
(h) all trucks entering or leaving the site with loads have their loads covered;
(i) trucks associated with the Development do not track dirt onto the public road network; and
(j) vehicles larger than B-Double class, **or otherwise, A-Double class, subject to completing the roadworks required under condition B14A to RMS' satisfaction,** do not enter the site.

Road Works

B14. Prior to the commencement of construction of any poultry shed, residential dwelling or structure on-site, the Applicant shall construct an intersection between the Sturt Highway and the proposed site access identified in the EIS to a Basic Right Turn (BAR) and Basic Left Turn (BAL) intersection treatment, in consultation with, and to the satisfaction of the RMS.

B14A. In addition to the roadworks completed under condition B14, the Applicant may further upgrade the intersection between the Sturt Highway and the site access. The works must be to the satisfaction of the RMS, in accordance with the plan in Appendix 3 and:

(a) be designed for an A-double heavy vehicle;
(b) include a 1.0 m minimum shoulder that prevents moisture ingress and provides lateral stability for road pavement along the entire southern side of the intersection treatment and both sides of the access driveway to the property boundary; and
(c) be designed and constructed so as not to interfere with the capacity of the current roadside drainage network and to prevent water from proceeding onto, or ponding on, the carriageway of the Sturt Highway.

B14B. Prior to the commencement of construction of the roadworks described in condition B14A, the Applicant must:

(a) enter into a Works Authorisation Deed (or similar) with RMS for any works carried out on RMS land; and
(b) obtain approval for the works under the Roads Act 1993.

B15. Any works associated with the proposed Development shall be at no cost to RMS.

Traffic Management Plan

B16. Prior to the commencement of construction, the Applicant shall prepare a **Traffic Management Plan** (TMP) for the Development in consultation with Council and the RMS, to the satisfaction of the Secretary. The plan shall form part of the CEMP required under Condition C1. The TMP shall:

(a) detail the measures that would be implemented to ensure road safety, network efficiency and access during construction;
(b) contain a drivers code of conduct to:
  (i) minimise the impacts of construction on the local and regional road network; and
  (ii) minimise conflicts with other road users.
(c) detail heavy vehicle routes, access and parking arrangements; and
(d) if necessary, detail procedures for notifying any nearby residents of any potential disruptions to routes.

WASTE MANAGEMENT

B17. All waste materials removed from the site shall only be directed to a waste management facility or premises lawfully permitted to accept the materials.

B18. Waste generated outside the site shall not be received at the site for storage, treatment, processing, reprocessing, or disposal on the site, except as expressly permitted by a licence under the *Protection of the Environment Operations Act 1997*, if such a licence is required in relation to that waste.

B19. The Applicant shall not stockpile, store or utilise spent bedding material in any way within the Development site.

B20. Broiler mortalities shall not be disposed to land by burial or any other method at the premises, for the life of the Development, unless otherwise permitted by a relevant authority during a bio-security emergency at the site (refer to Condition B9 for further requirements for broiler disposal).

Waste Management Plan

B21. Prior to the commencement of operation, the Applicant shall prepare a **Waste Management Plan** for the Development to the satisfaction of the Secretary. The Waste Management Plan shall from part of the OEMP in Condition C4 and be prepared in accordance with Condition C6. The WMP shall:

(a) detail the type and quantity of waste to be generated during construction and operation of the Development;
(b) describe the handling, storage and disposal of all waste streams generated on site, consistent with the *Protection of the Environment Operations Act 1997, Protection of the Environment Operations (Waste) Regulation 2014* and the *Waste Classification Guideline* (Department of Environment, Climate Change and Water, 2009)*;*
(c) detail the materials to be reused or recycled, either on or off site; and
(d) include the Management and Mitigation Measures included in Appendix 1.

HAZARD AND RISK

Dangerous goods

B22. Dangerous goods, as defined by the *Australian Dangerous Goods Code*, shall be stored and handled strictly in accordance with:

(a) all relevant Australian Standards;
(b) for liquids, a minimum bund volume requirement of 110% of the volume of the largest single stored volume within the bund; and
(c) the *Environment Protection Manual for Authorised Officers: Bunding and Spill Management, technical bulletin* (Environment Protection Authority, 1997).

In the event of an inconsistency between the requirements listed from a) to c) above, the most stringent requirement shall prevail to the extent of the inconsistency.

B23. The Applicant shall ensure that the storage and transport of LPG for the Development complies with AS/NZS 1596:2014 - The Storage and Handling of LP Gas.

Pre-construction

B24. Prior to the commencement of construction of the Development, other than site preparation works, or as otherwise agreed by the Secretary, the following studies shall be prepared:

(a) a **Fire Safety Study** for the Development, covering relevant aspects detailed in the *Department's publication Hazardous Industry Planning Advisory Paper No. 2 - Fire Safety Guidelines* and the New South Wales Government's *Best Practice Guidelines for Contaminated Water Retention and Treatment Systems*. The Study shall include a strict maintenance schedule for essential services and other safety measures. The Study shall meet the requirements of the NSW Fire Brigades; and

(b) a **Final Hazard Analysis** prepared in accordance with the Department's *Hazardous Industry Advisory Paper No.6 – Guidelines for Hazard Analysis*.

Pre-commissioning

B25. Prior to the commencement of commissioning of the Development, the Applicant shall prepare a comprehensive **Emergency Plan** and detailed emergency procedures for the Development. The Plan shall be prepared in accordance with the Department's publication *Hazardous Industry Planning Advisory Paper No. 1 - Industry Emergency Planning Guidelines*.

Pre-Startup

B26. The Applicant shall submit to the Secretary a report detailing compliance with Condition B24 and Condition B25 one month prior to the commencement of operation of the development.

NOISE

Construction Noise

B27. Construction activities associated with the Development shall be undertaken during the following construction hours:

(a) 7:00am to 6:00pm Mondays to Fridays, inclusive; and
(b) 8:00am to 1:00pm Saturdays; and
(c) at no time on Sundays or public holidays.

B28. Construction works outside of the standard construction hours identified in Condition B27 may be undertaken in the following circumstances:

(a) construction works that generate noise that is:
  (i) no more than 5 dB(A) above rating background level at any residence in accordance with the *Interim Construction Noise Guideline* (Department of Environment and Climate Change, 2009); and
  (ii) no more than the noise management levels specified in Table 3 of the *Interim Construction Noise Guideline* (Department of Environment and Climate Change, 2009) at other sensitive receivers; or
(b) for the delivery of materials required outside these hours by the NSW Police Force or other authorities for safety reasons; or
(c) where it is required in an emergency to avoid the loss of lives, property and/or to prevent environmental harm;
(d) works approved through an EPL, or by the Secretary; and
(e) works as approved through the out-of-hours work protocol outlined in the CEMP.

B29. Except as expressly permitted by the EPL, activities resulting in impulsive or tonal noise emission (such as rock breaking, rock hammering, pile driving) shall only be undertaken:

(a) between the hours of 8:00 am to 5:00 pm Monday to Friday;
(b) between the hours of 8:00 am to 1:00 pm Saturday; and
(c) in continuous blocks not exceeding three hours each with a minimum respite from those activities and works of not less than one hour between each block.

For the purposes of this condition 'continuous' includes any period during which there is less than a one hour respite between ceasing and recommencing any of the work the subject of this condition.

B30. The Development shall be constructed with the aim of achieving the construction noise management levels detailed in the *Interim Construction Noise Guideline* (Department of Environment and Climate Change, 2009). All feasible and reasonable noise mitigation measures shall be implemented and any activities that could exceed the construction noise management levels shall be identified and managed in accordance with the CEMP.

Note: The Interim Construction Noise Guideline identifies 'particularly annoying' activities that require the addition of 5dB(A) to the predicted level before comparing to the construction NML.

B31. Where Feasible and Reasonable, operation noise mitigation measures shall be implemented at the start of Construction (or at other times during Construction) to minimise Construction noise impacts.

Operational Noise Limits

B32. The Applicant shall ensure that noise from the operation does not exceed the limits in Table 1 below

Table 1 – Noise Limits dB(A)

Location	Day	Evening	Night	
	$L_{Aeq(15\ minute)}$	$L_{Aeq(15\ minute)}$	$L_{Aeq(15\ minute)}$	$L_{A1\ (1\ minute)}$
All privately owned residential premises	35	35	35	45

Note: Noise generated by the Development is to be measured in accordance with the relevant procedures and exemptions (including certain meteorological conditions) of the INP. Appendix 9 of the INP sets out the meteorological conditions under which this criterion applies.

Noise Modifying Factors

B33. If noise from an activity is substantially tonal, intermittent or impulsive in nature or contains major components within the low frequency range (as described in Chapter 4 of the *NSW Industrial Noise Policy* (Environment Protection Authority, 2000)), 5 dB(A) shall be added to the measured noise level when comparing the measured noise with the limits specified in Table 4.1 of the INP.

Note: Low frequency noise is currently under review by the Environment Protection Authority and the Department of Planning and Environment.

SOIL, WATER QUALITY AND HYDROLOGY

Flooding

B34. The design of the rice hull storage structures must incorporate flood proofing to ensure that broiler feed remains dry in the event of a 1 in 100 year flood event.

B35. Minimum floor levels for habitable buildings should be based on protection from the 1 in 100 year flood event plus 500 mm freeboard.

B36. Prior to the commencement of operation, the Applicant shall prepare an **Emergency and Evacuation Plan** to the satisfaction of the Secretary. The Emergency and Evacuation Plan shall form part of the OEMP in Condition C4 and be prepared in accordance with Condition C6. The Emergency and Evacuation Plan shall:

(a) be prepared in consultation with Narrandera Shire Council and the NSW State Emergency Service;
(b) describe all reasonable flood recovery measures;
(c) detail assembly and evacuation points;

(d) detail transportation routes and procedures in a flood event;
(e) incorporate the Flood Management Plan at Section 6.5.6 of the EIS;
(f) detail the procedures for managing flood risks during construction and operation of the development, including procedures for the protection of infrastructure, staff and broilers; and
(g) detail the management measures for the supply of feed in a flood event.

Construction Soil and Water Management

B37. Soil and water management measures consistent with *Managing Urban Stormwater - Soils and Construction Vol. 1* (Landcom, 2004) (the Blue Book) shall be employed during the construction of the Development to minimise soil erosion and the discharge of sediment and other pollutants to land and/or waters.

Surface Water Discharge Limits

B38. The Applicant shall ensure that all licensed surface water discharges from the site comply with the discharge limits (volume and quality) set for the Development in any EPL or relevant provisions of the POEO Act.

Stormwater

B39. The Applicant must design, construct, operate and maintain all stormwater and water storage facilities on site with the internal surfaces equivalent to, or better than, a clay liner of a minimum permeability of 1 x 10^{-9} metres per second and a clay liner thickness of no less than 600mm, or an equivalent alternative.

Groundwater

B40. The groundwater bores for the Development shall be constructed in accordance with the *Minimum Construction Requirements for Water Bores in Australia, Third Edition, February 2012,* (National Uniform Drillers Licensing Committee, 2012).

B41. Groundwater extracted from the bores shall be treated in accordance with the standards contained within the *National Water Biosecurity Manual – Poultry Production* (DAFF, 2009).

B42. Groundwater extraction for the purposes of the Development shall be limited to the provisions of any water access licence(s) issued by the DPI.

Bunding

B43. The Applicant shall store all chemicals, fuels and oils used on-site in appropriately bunded areas in accordance with the requirements of all relevant Australian Standards, and/or EPA's *Storing and Handling Liquids: Environmental Protection – Participants Handbook*.

Domestic Effluent

B44. The Applicant shall obtain the relevant license/approval from Council under section 68 of the *Local Government Act 1996* prior to the commencement of construction for all domestic effluent disposal and management systems on-site.

Water Management Plan

B45. Prior to the commencement of operation, the Applicant shall prepare a **Water Management Plan** to the satisfaction of the Secretary. The Water Management Plan shall form part of the OEMP in Condition C4 and be prepared in accordance with Condition C6. The WMP shall:

(a) be prepared in consultation with the DPI;
(b) detail water use, metering, disposal and management on-site;
(c) detail the number and location of piezometers on-site;
(d) detail the water licence requirements for the Development;
(e) detail the management of wastewater streams on-site;
(f) contain a Surface Water Management Plan, including;
    (i) a program to monitor:
        - surface water flows and quality;
        - surface water storage and use; and

- sediment basin operation;

(ii) sediment and erosion control plans;
(iii) surface water impact assessment criteria, including trigger levels for investigating any potentially adverse surface water impacts;
(iv) a protocol for the investigation and mitigation of identified exceedances of the surface water impact assessment criteria; and

(g) contain a Groundwater Management Plan, including:
(i) baseline data on groundwater levels and quality;
(ii) a program to monitor groundwater levels and quality;
(iii) groundwater impact assessment criteria, including trigger levels for investigating any potentially adverse groundwater impacts; and
(iv) a protocol for the investigation and mitigation of identified exceedances of the groundwater impact assessment criteria.

(h) contain a Contingency plan for the operation of the facility during extreme weather events such as heat wave or drought. Examples of contingency options may include (but are not limited to) securing sufficient additional water access licences to services the facility during inclement conditions or adjusting the scale of the operation to meet the available water supply.

LANDSCAPE

External Lighting

B46. All external lighting associated with the Development shall be mounted, screened, and directed in such a manner so as not to create a nuisance to the surrounding environment, properties and roadways. The lighting shall be the minimum level of illumination necessary and shall comply with Australian Standard *AS4282 1997 – Control of the Obtrusive Effects of Outdoor Lighting*.

Landscape Management Plan

B47. Prior to the commencement of operation, the Applicant shall prepare a **Landscape Management Plan** (LMP) to manage the revegetation and landscaping works on-site, to the satisfaction of the Secretary. The LMP shall form part of the OEMP in Condition C4 and be prepared in accordance with Condition C6. The LMP shall:

(a) detail the species to be planted on-site to achieve a vegetation buffer of 40 metres around each PPU;
(b) describe the monitoring and maintenance measures to manage revegetation and landscaping works; and
(c) be consistent with the Management and Mitigation Measures at Appendix 1.

GREENHOUSE GAS

B48. The Applicant shall implement all reasonable and feasible measures to minimise energy use on site and greenhouse gas emissions produced on-site.

HERITAGE

Protection of Aboriginal Heritage Items

B49. Prior to the commencement of construction of any poultry shed, residential dwelling or structure on-site, the Applicant shall undertake a pre-clearance pedestrian archaeological survey for linear alignments. Representatives from relevant Registered Aboriginal Parties are to be included in this assessment.

B50. Prior to the commencement of construction of any poultry shed, residential dwelling or structure on-site, the Applicant shall undertake a pre-clearance archaeological survey for the internal road alignment and impact area associated with the revised location of PPU5. Representatives from relevant Registered Aboriginal Parties should be included in this assessment.

B51. Any subsequent alterations to the Development footprint that are outside the study areas of the Aboriginal Heritage Impact assessment (prepared by OzArk, dated April 2015 at Appendix J of the EIS) and pre-clearance surveys, should be assessed in accordance with the *Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales* (OEH, 2010) as amended.

B52. The three know Aboriginal sites (EPPC-ST1, EPPC-ST2 and EPPC-H1) shall be fenced during construction and operation of the Development to exclude vehicles, pedestrians and animals from the sites.

Unexpected Finds Protocol

B53. If any archaeological relics are uncovered during the course of construction of the Development, then all works shall stop immediately in that area and the OEH Heritage Branch contacted. Depending on the possible significance of the relics, an archaeological assessment and an excavation permit under the *NSW Heritage Act 1977* may be required before further work can continue in that area.

B54. If any Aboriginal objects are uncovered during work, excavation or disturbance of the work area, work must stop immediately and the Regional Operations Group of the OEH is to be contacted. If Aboriginal objects/places are known to be directly or indirectly adversely affected, the Applicant will need to apply for, and be issued, an Aboriginal Heritage Impact Permit (AHIP) by OEH to comply with the *National Parks and Wildlife Act 1974*.

Aboriginal Cultural Heritage Management Plan

B55. Prior to the commencement of operation, the Applicant shall prepare an **Aboriginal Cultural Heritage Management Plan** to the satisfaction of the Secretary. The plan shall form part of the OEMP in Condition C4 and be prepared in accordance with Condition C6 and shall:

(a) describe the management actions, including fencing, for the three known Aboriginal sites (EPPC-ST1, EPPC-ST2 and EPPC-H1) during construction and operation; and
(b) incorporate any additional sites found during pre-clearance surveys.

SCHEDULE 4

ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING

CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN

C1. The Applicant shall prepare a **Construction Environmental Management Plan** to the satisfaction of the Secretary. The Plan must:

(a) be approved by the Secretary prior to the commencement of construction;
(b) identify the statutory approvals that apply to the Development;
(c) outline all environmental management practices and procedures to be followed during construction works associated with the Development;
(d) describe all activities to be undertaken on the site during construction of the Development, including a clear indication of construction stages;
(e) detail how the environmental performance of the construction works will be monitored, and what actions will be taken to address identified adverse environmental impacts;
(f) describe the roles and responsibilities for all relevant employees involved in construction works associated with the Development; and
(g) include the management plans under Condition C2 of this consent.

C2. As part of the Construction Environmental Management Plan for the Development, required under condition C1 of this consent, the Applicant shall include the following:
(a) Dust Management (see Condition B6 and B7);
(b) Traffic Management (see Condition B16);
(c) Construction Soil and Water Management (see Condition B37); and
(d) Community Consultation and Complaints Handling.

C3. The Applicant shall carry out the construction of the Development in accordance with the CEMP approved by the Secretary (and as revised and approved by the Secretary from time to time), unless otherwise agreed by the Secretary.

OPERATIONAL ENVIRONMENTAL MANAGEMENT PLAN

C4. The Applicant shall prepare an **Operational Environmental Management Plan** (OEMP) for the Development to the satisfaction of the Secretary. The OEMP must:

(a) be submitted to the Secretary for approval prior to the commencement of operation;
(b) be consistent with the NSW DPIs *Best Practice Management for Meat Chicken Production in New South Wales – Manual 2 (Meat Chicken Growing Management)*;
(c) be prepared by a suitably qualified and experienced expert;
(d) provide the strategic framework for environmental management of the Development;
(e) identify the statutory approvals that apply to the Development;
(f) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the Development;
(g) describe the procedures that would be implemented to:
    (i) keep the local community and relevant agencies informed about the operation and environmental performance of the Development;
    (ii) receive, handle, respond to, and record complaints;
    (iii) resolve any disputes that may arise;
    (iv) respond to any non-compliance;
    (v) respond to emergencies; and
(h) include the following environmental management plans:
    (i) Air quality (see Condition B3, B4 and B5);
    (ii) Emergency Disposal and Bio-security Protocol (see Condition B9);
    (iii) Biodiversity (see Condition B10 to Condition B12 inclusive);
    (iv) Waste (see Condition B21);
    (v) Emergency and evacuation (see Condition B36);
    (vi) Water (see Condition B45);
    (vii) Landscaping (see Condition B47); and
    (viii) Aboriginal Cultural Heritage (see Condition B55).

C5. The Applicant shall operate the Development in accordance with the OEMP approved by the Secretary (and as revised and approved by the Secretary from time to time), unless otherwise agreed by the Secretary.

MANAGEMENT PLAN REQUIREMENTS

C6. The Applicant shall ensure that the environmental management plans required under Condition C4 of this consent are prepared by a suitably qualified person or persons in accordance with best practice and include:

(a) detailed baseline data;
(b) a description of:
  (i) the relevant statutory requirements (including any relevant approval, licence or lease conditions);
  (ii) any relevant limits or performance measures/criteria; and
  (iii) the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the Development or any management measures;
(c) a description of the measures that would be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria;
(d) a program to monitor and report on the:
  (i) impacts and environmental performance of the Development;
  (ii) effectiveness of any management measures (see (c) above);
(e) a contingency plan to manage any unpredicted impacts and their consequences;
(f) a program to investigate and implement ways to improve the environmental performance of the Development over time;
(g) a protocol for managing and reporting any:
  (i) incidents;
  (ii) complaints;
  (iii) non-compliances with statutory requirements; and
  (iv) exceedances of the impact assessment criteria and/or performance criteria; and
(h) a protocol for periodic review of the plan.

Revision of Strategies, Plans and Programs

C7. Within three months of:

(a) the submission of an annual review under condition C8;
(b) the submission of an incident report under condition C10;
(c) the submission of an audit under condition C12; or
(d) the approval of any modification of the conditions of this consent.

the strategies, plans and programs required under this consent must be reviewed, and the Secretary must be notified in writing of the outcomes of any review.

Note: This is to ensure the strategies, plans and programs are updated on a regular basis, and incorporate any recommended measures to improve the environmental performance of the Development.

C7A. If necessary to either improve the environmental performance of the development, cater for a modification, the strategies, plans and programs required under this consent must be revised, to the satisfaction of the Secretary. Where revisions are required, the revised document must be submitted to the Secretary for approval within six weeks of the review required under condition C7, or such other timing as agreed by the Secretary.

ANNUAL REVIEW

C8. Each year, the Applicant shall review the environmental performance of the Development to the satisfaction of the Secretary. This review must:

(a) describe the Development that was carried out in the previous calendar year, and the Development that is proposed to be carried out over the next year;
(b) include a comprehensive review of the monitoring results and complaints records of the Development over the previous calendar year, which includes a comparison of these results against the:
  (i) the relevant statutory requirements, limits or performance measures/criteria;
  (ii) requirements of any plan or program required under this consent;

(iii) the monitoring results of previous years; and
(iv) the relevant predictions in the EIS;

(c) identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance;
(d) identify any trends in the monitoring data over the life of the Development;
(e) identify any discrepancies between the predicted and actual impacts of the Development, and analyse the potential cause of any significant discrepancies; and
(f) describe what measures will be implemented over the next year to improve the environmental performance of the Development.

REPORTING

Incident Reporting

C9. Within 24 hours of the occurrence of an incident that causes (or may cause) harm to the environment, the Applicant shall notify the Secretary and any other relevant agencies of the incident.

C10. Within seven (7) days of the detection of the incident, the Applicant shall provide the Secretary and any relevant agencies with a detail report on the incident.

Regular Reporting

C11. The Applicant shall provide regular reporting on the environmental performance of the Development on its website, in accordance with the reporting arrangements in any plans or programs approved under the conditions of this consent.

AUDITING

Independent Environmental Audit

C12. Within 2 years of the date of this consent, and every 3 years thereafter, unless the Secretary directs otherwise, the Applicant shall commission and pay the full cost of an Independent Environmental Audit of the Development. This audit must:

(a) be conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary;
(b) include consultation with the relevant agencies;
(c) assess the environmental performance of the Development and assess whether it is complying with the requirements in this consent, and any other relevant approvals, relevant EPL(s) (including any assessment, plan or program required under these approvals);
(d) review the adequacy of any approved strategy, plan or program required under the abovementioned consents; and
(e) recommend measures or actions to improve the environmental performance of the Development, and/or any strategy, plan or program required under these consents.

Note: This audit team must be led by a suitably qualified auditor, and include relevant experts in any other fields specified by the Secretary.

C13. Within 3 months of commissioning this audit, or as otherwise agreed by the Secretary, the Applicant shall submit a copy of the audit report to the Secretary, together with its response to any recommendations contained in the audit report.

ACCESS TO INFORMATION

C14. Within 6 months of the date of this consent, the Applicant shall:

(a) make copies of the following publicly available on its website:
(i) the documents referred to in Condition A2;
(ii) all current statutory approvals for the Development;
(iii) all approved strategies, plans and programs required under the conditions of this consent;
(iv) a comprehensive summary of the monitoring results of the Development, reported in accordance with the specifications in any conditions of this consent, or any approved plans and programs;
(v) a complaints register consistent with that provided in Appendix C of the EIS, updated on a monthly basis;
(vi) the annual reviews of the Development;

(vii) any independent environmental audit of the Development, and the Applicant's response to the recommendations in any audit;
(viii) any other matter required by the Secretary; and

(b) keep this information up to date,

to the satisfaction of the Secretary.

ENVIRONMENTAL REPRESENTATIVE

C15. Prior to the commencement of construction of the Development, or as otherwise agreed by the Secretary, the Applicant shall nominate for the approval of the Secretary a suitably qualified and experienced Environment Representative(s) that is independent of the design and construction personnel. The Applicant shall employ the Environmental Representative(s) for the duration of construction through the life of the Development, or as otherwise agreed by the Secretary. The Environment Representative(s) shall:

(a) be the principal point of advice in relation to the environmental performance of the Development;
(b) monitor the implementation of environmental management plans and monitoring programs required under this consent and advise the Applicant upon the achievement of these plans/ programs;
(c) have responsibility for considering and advising the Applicant on matters specified in the conditions of this consent, and other licences and approvals related to the environmental performance and impacts of the Development;
(d) be given the authority to approve / reject minor amendments to the OEMP. What constitutes a "minor" amendment shall be clearly explained in the Construction Environment Management Plan required under condition C1;
(e) be given the authority and independence to require reasonable steps be taken to avoid or minimise unintended or adverse environmental impacts, and failing the effectiveness of such steps, to direct that relevant actions be ceased immediately should an adverse impact on the environment be likely to occur; and
(f) be consulted in responding to the community concerning the environmental performance of the Development where the resolution of points of conflict between the Applicant and the community is required.

APPENDIX 1: MANAGEMENT AND MITIGATION MEASURES

(Source: EIS)

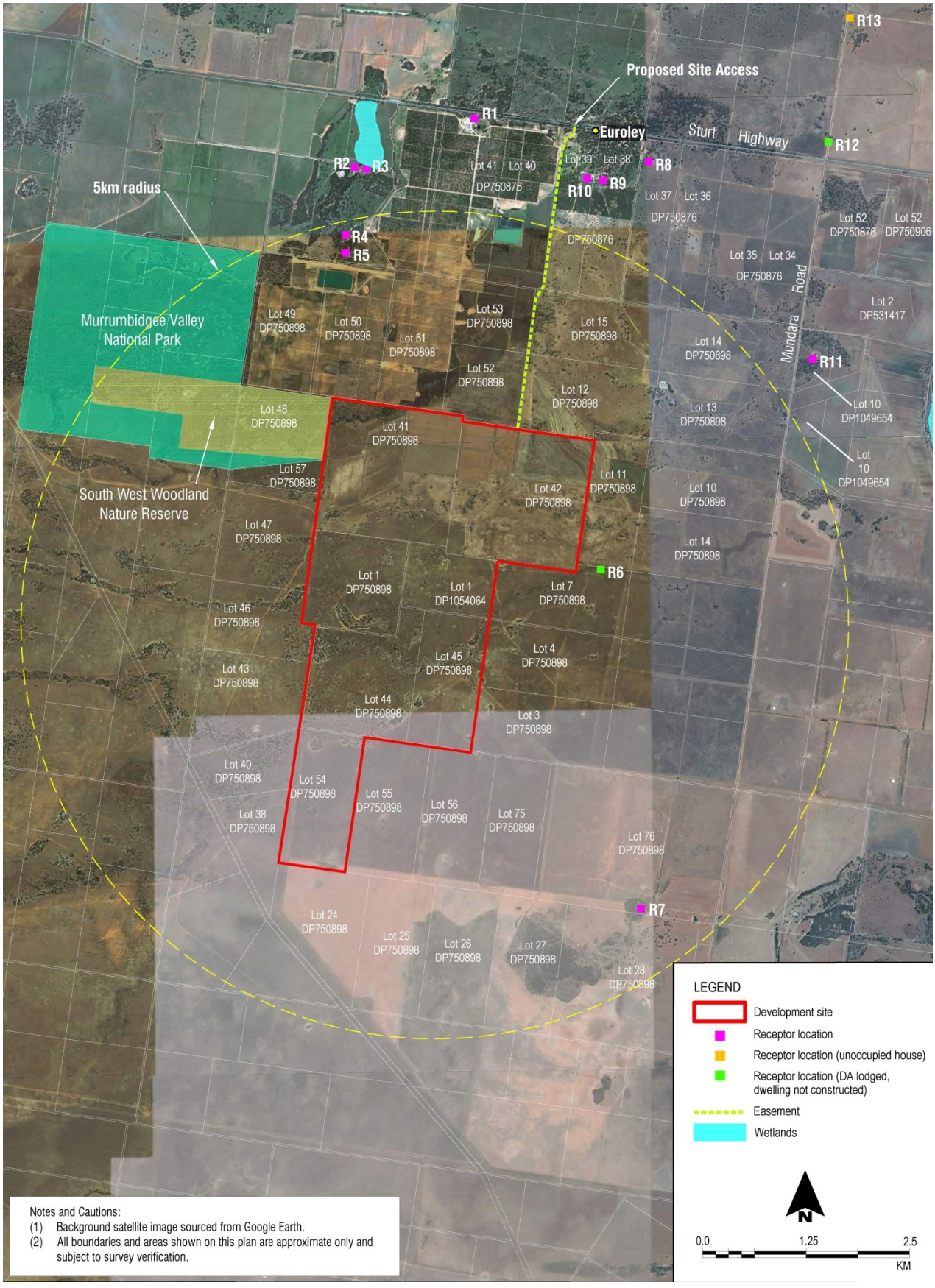
Aspect/Commitment	EIS Section
General	
• ProTen will carry out the Development at Euroley generally in accordance with the Development application and this EIS report. • The Development site will not accommodate more than 3.92 million birds at any one time. • Construction will be undertaken within the hours of: a. Monday to Friday, 7.00 am to 6.00 pm; b. Saturday, 8.00 am to 1.00 pm; and c. No construction work on Sunday and public holidays • The poultry Development will operate 24 hours a day, seven days a week, with the majority of activities carried out between 7.00 am and 7.00 pm. • The Complaints and Incident Management Strategy contained within **Appendix C** of the EIS will be implemented to ensure that all complaints and incidents relating to the poultry operation, if they occur, are promptly and effectively addressed.	Section 3
Air Quality and Odour	
<u>During Construction</u> • No disturbance will occur outside of the nominated disturbance footprint, and disturbed areas will be promptly rehabilitated and revegetated to a stable landform to minimise dust emissions. • Dust will be minimised by 'wetting' down surfaces being worked or carrying traffic in dry periods. <u>During Operation</u> • A meteorological station will be installed within the Development site to collect on-going and up-to-date weather data. • The poultry sheds and feed silos will be fully enclosed to reduce the level of moisture and to minimise emissions of dust/particulate matter. • The insides of the poultry sheds and the surrounds will be maintained at all times to ensure a clean and sanitary environment, including regular monitoring and maintenance of the tunnel ventilation systems and bird drinkers to avoid spillage, leaks and uneven distribution. • Stocking densities and bird health within each of the poultry sheds will be regularly checked and, if necessary, appropriate corrective measures will be implemented. • Daily monitoring and maintenance of the bedding material will be undertaken to identify, remove and replace any caked material beneath drinking lines and/or areas with excessive moisture content. • Internal access roads will be appropriately maintained to minimise dust and noise emissions.	Section 6.2.5
Noise	
• A 60 km/hr speed limit will be adopted on the site access road between the Development site and the Sturt Highway. • Plant and equipment will be maintained in good repair and operators will be appropriately instructed on how to minimise noise generation at all times. • Noise generating equipment purchased by the operator will comply with relevant occupational health and safety requirements. • Emergency standby diesel generators will only be used when power from the electricity grid is lost and they will be appropriately sited and housed to minimise noise emissions. • A unidirectional traffic movement system, via a one-way circulation road around each PPU site, will be established with appropriate signage to minimise the use of reversing alarms.	Section 6.3.5
Traffic and Transport	

• An intersection between the Sturt Highway and the Development site access road will be constructed at the location shown on **Figure 1.2** (in the EIS), with a basic right turn treatment (BAR) and basic left turn treatment (BAL) intersection in accordance with *Austroads Guide to Road Design, Part 4A: Unsignalised and Signalised Intersections*. • The site access road from the Sturt Highway to the Development site will be constructed to a minimum width of 6.5 metres, with a pavement and road surface suitable for B-doubles. • The access road will be bitumen sealed for a minimum length of 50 metres from the Sturt Highway intersection. • Advance signposting on the approach to the Sturt Highway intersection will be erected in both directions warning of trucks turning. In addition, an intersection direction sign opposite the access will be erected to further help identify the access point. • The farm access will meet the minimum requirements of AS 2890.2, to accommodate the turning movements of the largest vehicles generated by the poultry Development. • The internal PPU access roads will be constructed as one-way circulation roads (ring roads) around the perimeter of each PPU to enable traffic to enter, exit and manoeuvre in a forward direction. The roads will be constructed as all-weather rural-type roads able to carry the anticipated heavy vehicle movements. • Suitable signage will be erected indicating internal traffic direction and speed limits to ensure the orderly and safe use of the site, as well as to minimise the potential for traffic conflict and noise. • All internal roads will be maintained clear of obstruction and used exclusively for the purposes of transport, loading-unloading and parking.	Section 6.4.4
Surface Water and Flooding	
• Temporary erosion and sediment control structures, such as hay bales and silt fencing, will be used during construction and regularly maintained to prevent soil loss and sediment-laden runoff. • All clean extraneous surface water from upslope will be diverted around areas of disturbance. • The stormwater management system described in **Section 3.12** (of the EIS) will be constructed and appropriately maintained. • Staff members will be instructed in the proper use and handling of all chemicals used on-site. If appropriate, this will include completion of training such as SMARTtrain or ChemCert (or similar). • All chemical use will be undertaken in full compliance with the relevant statutory requirements, including the *Pesticides Act 1999*. • Wastewater generated by the on-site staff amenities and accommodation will be appropriately treated and disposed of via on-site wastewater management systems installed and operated in accordance with the requirements of Council and relevant standards/guidelines.	Section 6.5.4
<u>Flooding</u> • Habitable finished floor levels within farm managers' accommodation will be set at a minimum of 500 mm above adjacent ground level to reduce the likelihood of floodwater ingress to buildings. • Finished floor levels of the poultry sheds will be set at a minimum of 300 mm above adjacent ground level to reduce the likelihood of floodwater ingress to buildings. • The flood management plan described in **Section 6.5.6** (of the EIS) will be implemented where necessary.	Section 6.5.5 and 6.5.6
Groundwater	
• Groundwater wells will be designed by a suitably qualified engineer or hydrogeologist, and the design and construction will be undertaken in accordance with the *Minimum Construction Requirements for Water Bores in Australia* (National Uniform Drillers Licensing Committee, 2012). The installation of the wells should include normal Development practice, including a commissioning test on the well. • Monitoring of wells will comply with the existing WAL conditions. • There will be no on-site disposal of bird carcasses or associated waste in the event of a mass-mortality, unless directed to do so by the DPI.	Section 6.6.3
Biodiversity	
• No disturbance will occur outside of the nominated disturbance footprint.	Section 6.7.5

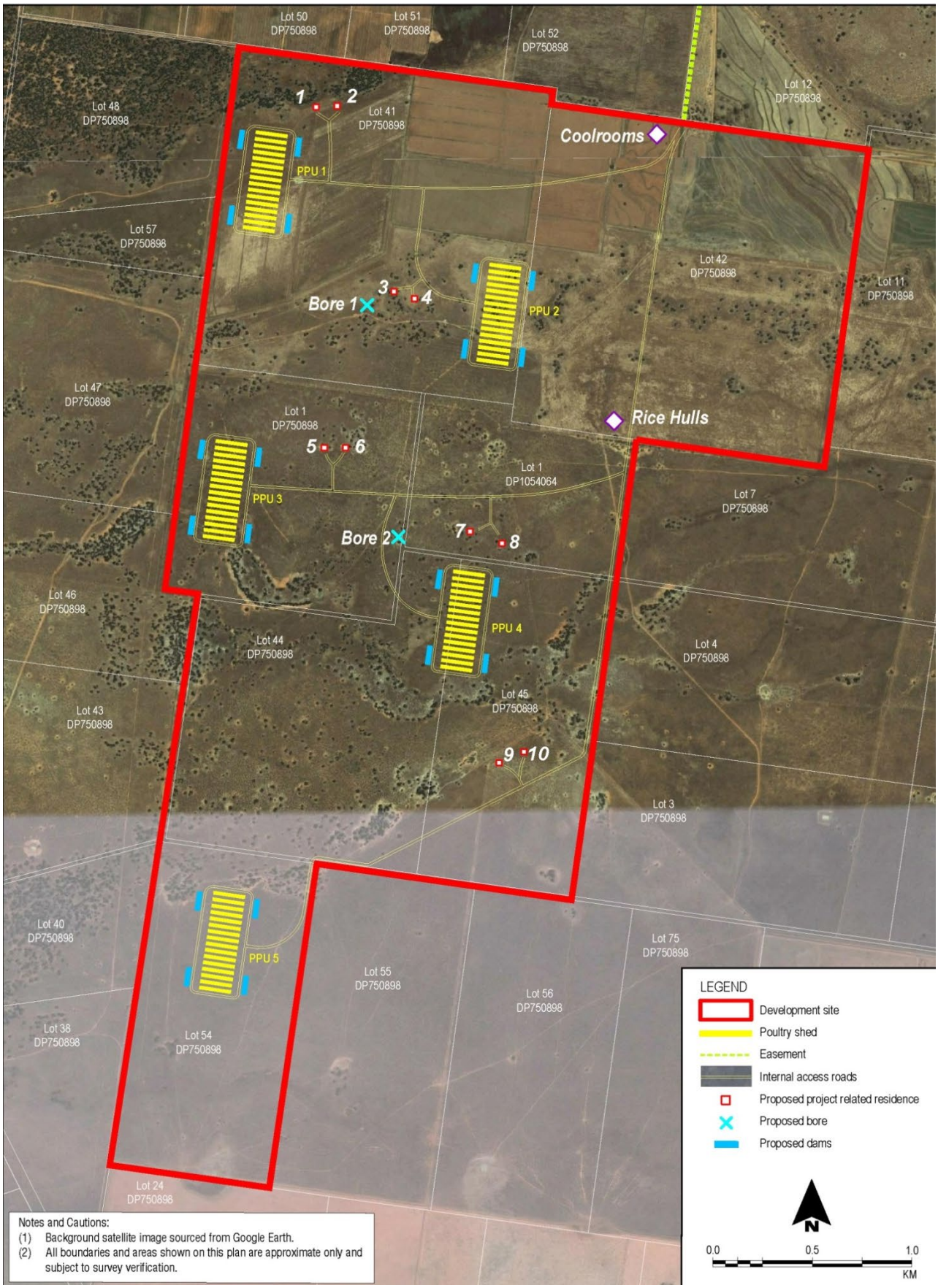
• Erosion and sediment control measures will be installed and maintained to prevent the erosion and sedimentation impact on any areas downstream supporting remnant vegetation. • Weed management practices will be implemented to minimise the spread of exotic species into natural areas within the site. • A biodiversity offset strategy for the Project will be finalised in accordance with the actions detailed in **Section 6.7.5** (of the EIS), in consultation with OEH and within 12 months of gaining Project Approval. • Landscape plantings will be established in accordance with the Landscaping Strategy contained in **Section 3.13** of the EIS, which will increase the total area under vegetation within the locality, create habitat and increase the local biodiversity.	
Aboriginal Heritage	
• No disturbance will occur outside of the nominated disturbance footprint. • The three aboriginal sites identified on site will be fenced during construction activities. The hearth will remain fenced during operation of the poultry production complex. • Should any Aboriginal artefact be uncovered all works will cease in that locale and the OEH will be notified. Works will only recommence when an appropriate and approved management strategy has been agreed to by all of the relevant stakeholders.	Section 6.8.4
Visual Amenity	
• The luminaires on each poultry shed will be aimed downwards and only switched on during loading-unloading and servicing activities outside of daylight hours and during heavy fog. • The landscaping strategy described in **Section 3.13** (of the EIS) will be implemented and maintained in order to improve the visual and environmental amenity of the poultry Development.	Section 6.10.3
Biosecurity and Poultry Disease	
• ProTen will meet all standards of care and management for animal health and welfare detailed in the *National Animal Welfare Standards for the Chicken Meat Industry* (Barnett et al, 2008). • ProTen will implement a suite of biosecurity measures in accordance with the *National Farm Biosecurity Manual for Chicken Growers* (Australian Chicken Meat Federation 2010). A copy of this manual will be kept at the Development site and staff will be provided with training in the relevant parts of the Manual. • In the unlikely event of a major disease outbreak, the EPA and DPI will be contacted as soon as the breakout is suspected. Immediate measures will be implemented to isolate the infected PPU site(s), effect strict quarantine procedures to prevent the spread of the disease, and notify all relevant stakeholders. Where permitted, urgent ring vaccination of flocks within the controlled area will be organised. • Upon confirmation that it is an exotic disease outbreak and immediate slaughter of farm stock is necessary, slaughter will be managed by the DPI in co-ordination with the EPA and technical service units of the poultry industry. The birds will be slaughtered within the poultry sheds. • If ProTen's preferred option of disposal of infected birds at Baiada's protein recovery plant cannot be realised for various reasons such as quarantine requirements, disposal of diseased poultry via in-shed composting, or offsite burial at Jeanella will be undertaken in consultation with the DPI and EPA.	Section 6.12
Waste Management	
• No on-site stockpiling or disposal of waste materials will occur. • Day to day general waste will be placed into enclosed skips and removed from each PPU site by a licensed contractor on a regular basis. • Chemical Containers - a chemical supply company will be engaged to provide a chemical delivery and pickup service direct to the Development site. At each delivery of new chemical supplies, empty chemical containers will be retrieved by the chemical company for recycling or appropriate disposal. • Poultry litter will be promptly removed from the sheds and transported off-site in covered trucks by an approved contractor at the end of each production cycle during the clean-out phase. • Dead birds will be collected from the poultry sheds on a daily basis and stored in on-site chillers for daily removal to Baiada's rendering plant near Hanwood on Kidman Way.	Section 3.10

Greenhouse Gas and Energy Efficiency	
• Low lux internal shed lighting will be installed within the poultry sheds. • External shed lighting will only be used when necessary during times of low light and/or heavy fog. • The integrity of the poultry sheds will be regularly checked in order to identify and rectify any air leaks, which place additional load on ventilation fans. • Ventilation fans and heaters will be regularly maintained and serviced to ensure optimal performance and efficiency. • Automatic control systems will continuously monitor internal shed lighting, temperature, humidity and static pressure, and adjust the ventilation to suit conditions resulting in less energy to regulate the internal shed conditions.	Section 6.11

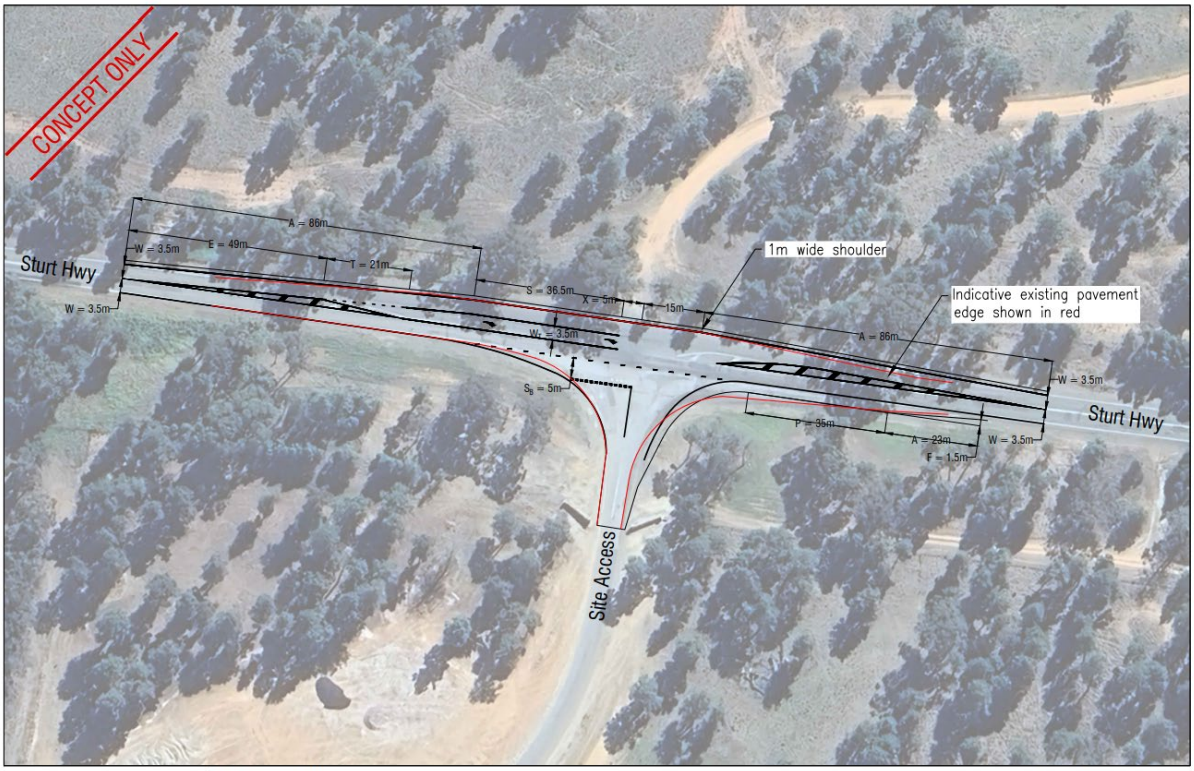
APPENDIX 2: SITE PLANS



CONSOLIDATED CONSENT



APPENDIX 3: INTERSECTION PLAN



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Project No:	620.040467
Date:	14/11/2023
Drawn by:	CL
Certified by:	CL
Sheet Size:	A3
Projection:	-

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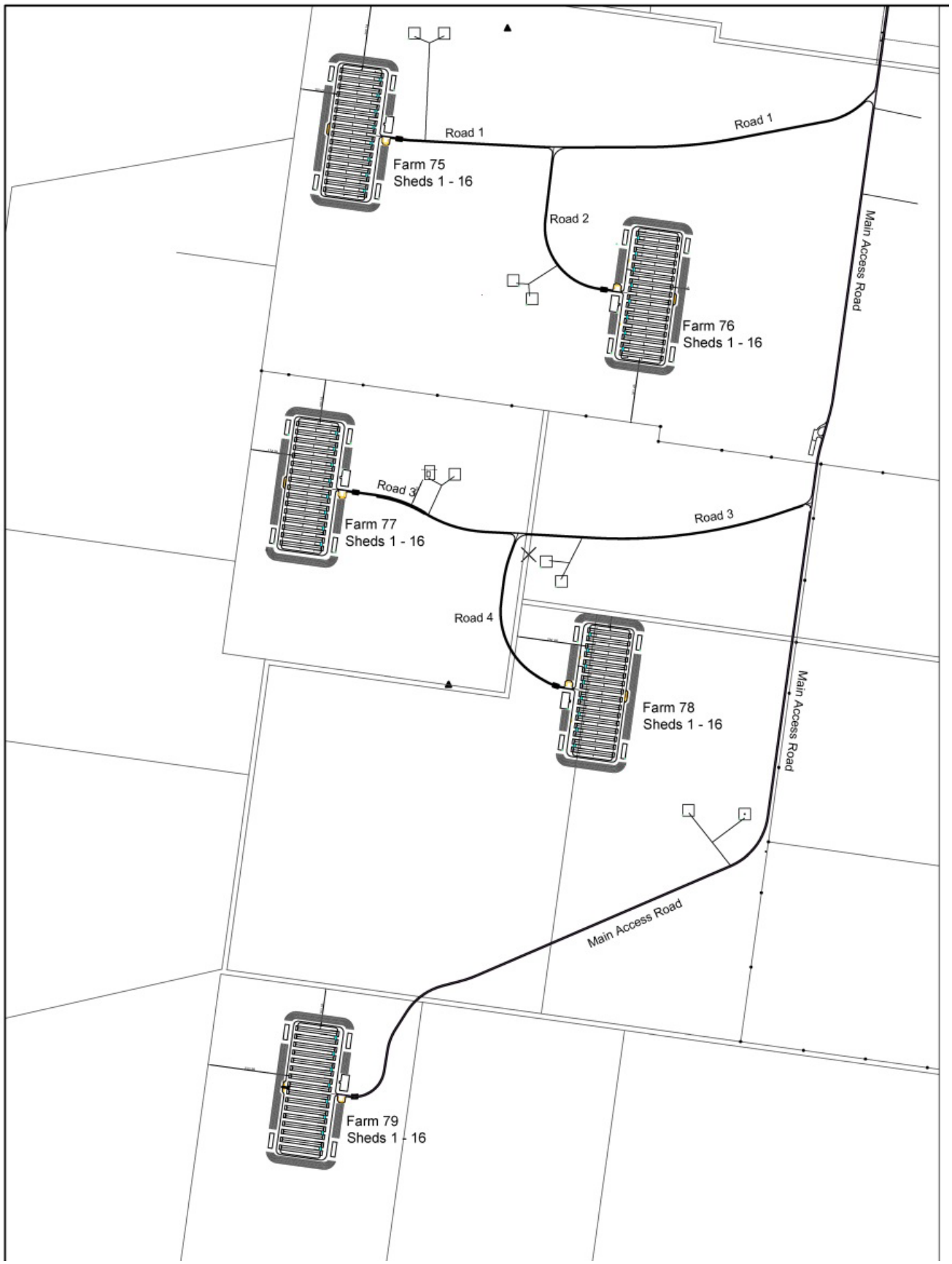
METRES
SCALE 1:750

ProTen Pty Limited

Euroley Poultry Farm Modifcation

Proposed Site Access - BAL/CHR(S) (EDD)

FIGURE SK02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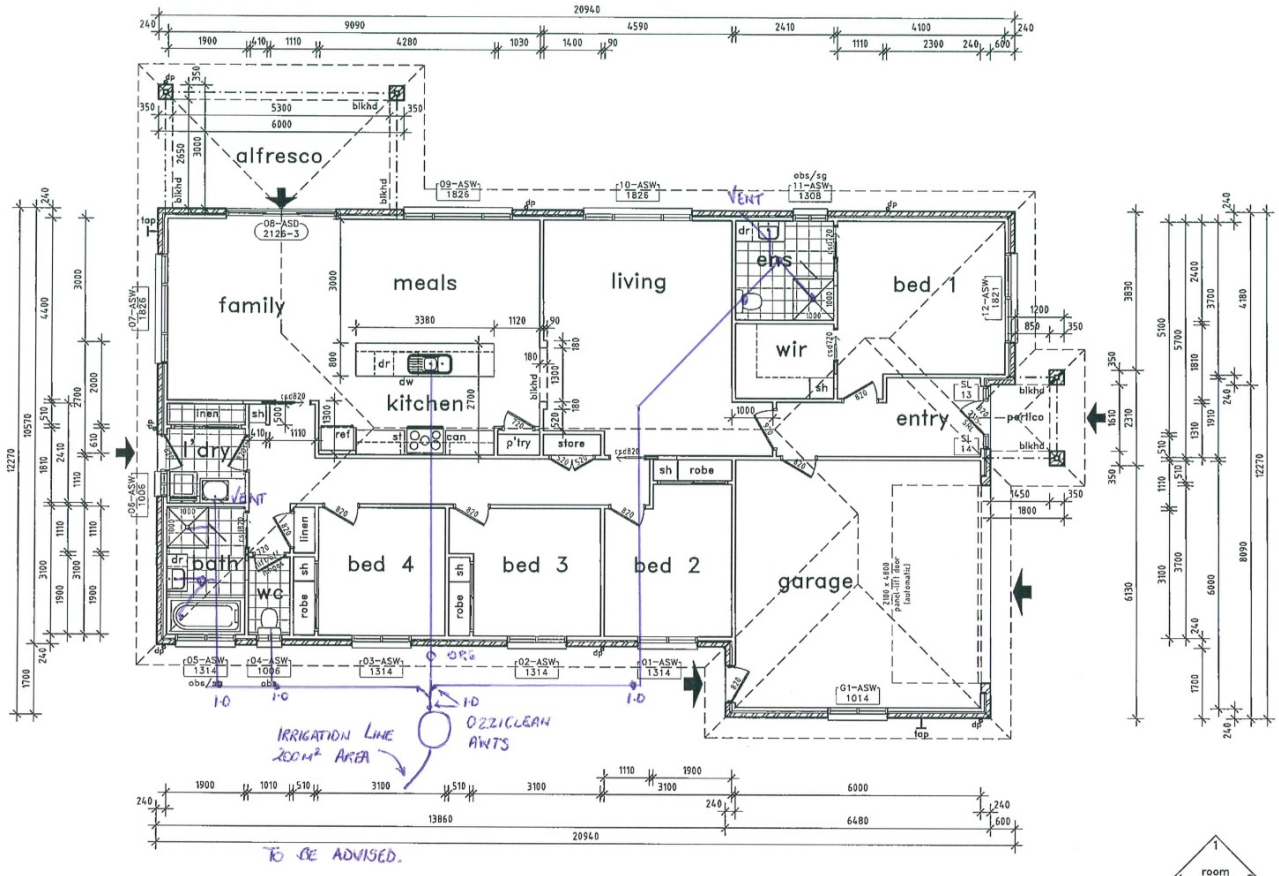
Road 1
Farm 75
Sheds 1 - 16
Road 2
Main Access Road
Farm 76
Sheds 1 - 16
Road 3
Road 3
Farm 77
Sheds 1 - 16
Road 4
Farm 78
Sheds 1 - 16
Main Access Road
Main Access Road
Farm 79
Sheds 1 - 16



room orientation

north

Working Drawing

Project/Client
Proposed dwellings for Proten Holdings Pty Ltd
Lot 42 Sturt Highway
Euroley, NSW 2700
DP pending

ground floor plan (dwelling 1 & 2)

floor area: 189.1m²
garage area: 39.4m²
portico area: 4.0m²
alfresco area: 18.0m²
external walls: 240mm
internal walls: 90mm
glazing to AS1288

Inclusion: S2/Shelby187/Standard/modified

Scale	1:100
Drawing Start	20.10.14
Signed off	#
Project Number	P2260
Drawing Number	2 of 10
Plot date	16.07.15
revision :	P03_W03

DAVIS SANDERS HOMES
Davis Sanders Homes Pty Limited.
ABN 85-057-370-822
Licence No's NSW 41757C & Victoria DB-U25641
21 Bennu Circuit, Albury NSW 2640
PO Box 7285, Albury East NSW 2640
Telephone 02 6057 4777 Fax 02 6057 4778
www.davissandershomes.com.au

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Appendix B EPL 20748

2023-2024 Annual Review

Narrandera Poultry Production Complex

ProTen Limited

SLR Project No.: 630.V14117.00001

30 July 2024

Environment Protection Licence

Licence - 20748

Licence Details	
Number:	20748
Anniversary Date:	22-April

Licensee

PROTEN HOLDINGS PTY LIMITED

PO BOX 1746

NORTH SYDNEY NSW 2059

Premises

NARRANDERA POULTRY PRODUCTION COMPLEX

STURT HIGHWAY

UROLY NSW 2700

Scheduled Activity

Livestock intensive activities

Fee Based Activity	Scale
Bird accommodation	> 3000--1 T accommodation capacity

Contact Us

NSW EPA

6 Parramatta Square

10 Darcy Street

PARRAMATTA NSW 2150

Phone: 131 555

Email: info@epa.nsw.gov.au

Locked Bag 5022

PARRAMATTA NSW 2124

Environment Protection Licence

Licence - 20748

Environment Protection Licence

Licence - 20748

Environment Protection Licence

Licence - 20748

Information about this licence

Dictionary

A definition of terms used in the licence can be found in the dictionary at the end of this licence.

Responsibilities of licensee

Separate to the requirements of this licence, general obligations of licensees are set out in the Protection of the Environment Operations Act 1997 ("the Act") and the Regulations made under the Act. These include obligations to:

- ensure persons associated with you comply with this licence, as set out in section 64 of the Act;
- control the pollution of waters and the pollution of air (see for example sections 120 - 132 of the Act);
- report incidents causing or threatening material environmental harm to the environment, as set out in Part 5.7 of the Act.

Variation of licence conditions

The licence holder can apply to vary the conditions of this licence. An application form for this purpose is available from the EPA.

The EPA may also vary the conditions of the licence at any time by written notice without an application being made.

Where a licence has been granted in relation to development which was assessed under the Environmental Planning and Assessment Act 1979 in accordance with the procedures applying to integrated development, the EPA may not impose conditions which are inconsistent with the development consent conditions until the licence is first reviewed under Part 3.6 of the Act.

Duration of licence

This licence will remain in force until the licence is surrendered by the licence holder or until it is suspended or revoked by the EPA or the Minister. A licence may only be surrendered with the written approval of the EPA.

Licence review

The Act requires that the EPA review your licence at least every 5 years after the issue of the licence, as set out in Part 3.6 and Schedule 5 of the Act. You will receive advance notice of the licence review.

Fees and annual return to be sent to the EPA

For each licence fee period you must pay:

- an administrative fee; and
- a load-based fee (if applicable).

Environment Protection Licence

The EPA publication “A Guide to Licensing” contains information about how to calculate your licence fees. The licence requires that an Annual Return, comprising a Statement of Compliance and a summary of any monitoring required by the licence (including the recording of complaints), be submitted to the EPA. The Annual Return must be submitted within 60 days after the end of each reporting period. See condition R1 regarding the Annual Return reporting requirements.

Usually the licence fee period is the same as the reporting period.

Transfer of licence

The licence holder can apply to transfer the licence to another person. An application form for this purpose is available from the EPA.

Public register and access to monitoring data

Part 9.5 of the Act requires the EPA to keep a public register of details and decisions of the EPA in relation to, for example:

- licence applications;
- licence conditions and variations;
- statements of compliance;
- load based licensing information; and
- load reduction agreements.

Under s320 of the Act application can be made to the EPA for access to monitoring data which has been submitted to the EPA by licensees.

This licence is issued to:

PROTEN HOLDINGS PTY LIMITED
PO BOX 1746
NORTH SYDNEY NSW 2059

subject to the conditions which follow.

Environment Protection Licence

Licence - 20748

1 Administrative Conditions

A1 What the licence authorises and regulates

A1.1 This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation.

Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition.

Scheduled Activity	Fee Based Activity	Scale
Livestock intensive activities	Bird accommodation	> 3000 - -1 T accommodation capacity

A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
NARRANDERA POULTRY PRODUCTION COMPLEX
STURT HIGHWAY
UROLY
NSW 2700
LOT 1 DP 750898, LOT 41 DP 750898, LOT 42 DP 750898, LOT 44 DP 750898, LOT 45 DP 750898, LOT 54 DP 750898

A3 Other activities

A3.1 This licence applies to all other activities carried on at the premises, including:

Ancillary Activity
Waste storage

A4 Information supplied to the EPA

A4.1 Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence.

In this condition the reference to "the licence application" includes a reference to:
a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and
b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the

issuing of this licence.

2 Discharges to Air and Water and Applications to Land

P1 Location of monitoring/discharge points and areas

P1.1 The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.

P1.2 The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.

Water and land

EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
2	Surface water quality monitoring		Sediment dam No 1 at PPU 1 identified in Figures 1 & 2 of the document titled "Narrandera Poultry Production Complex - Water Management Plan" dated March 2016, kept on EPA file EF16/1645 at DOC16/59520
3	Surface water quality monitoring		Sediment dam No 3 at PPU 2 identified in Figures 1 & 2 of the document titled "Narrandera Poultry Production Complex - Water Management Plan" dated March 2016, kept on EPA file EF16/1645 at DOC16/59520
4	Surface water quality monitoring		Sediment dam No 1 at PPU 3 identified in Figures 1 & 2 of the document titled "Narrandera Poultry Production Complex - Water Management Plan" dated March 2016, kept on EPA file EF16/1645 at DOC16/59520
5	Surface water quality monitoring		Sediment dam No 3 at PPU 4 identified in Figures 1 & 2 of the document titled "Narrandera Poultry Production Complex - Water Management Plan" dated March 2016, kept on EPA file EF16/1645 at DOC16/59520

Environment Protection Licence

6	Surface water quality monitoring	Sediment dam No 1 at PPU 5 identified in Figures 1 & 2 of the document titled "Narrandera Poultry Production Complex - Water Management Plan" dated March 2016, kept on EPA file EF16/1645 at DOC16/59520
7	Groundwater quality monitoring	Piezometer labelled 'Piezo 1' identified in Figure 1 of the document titled "Narrandera Poultry Production Complex - Water Management Plan" dated March 2016, kept on EPA file EF16/1645 at DOC16/59520
8	Groundwater quality monitoring	Piezometer labelled 'Piezo 2' identified in Figure 1 of the document titled "Narrandera Poultry Production Complex - Water Management Plan" dated March 2016, kept on EPA file EF16/1645 at DOC16/59520
9	Groundwater quality monitoring	Piezometer labelled 'Piezo 3' identified in Figure 1 of the document titled "Narrandera Poultry Production Complex - Water Management Plan" dated March 2016, kept on EPA file EF16/1645 at DOC16/59520
10	Groundwater quality monitoring	Piezometer labelled 'Piezo 4' identified in Figure 1 of the document titled "Narrandera Poultry Production Complex - Water Management Plan" dated March 2016, kept on EPA file EF16/1645 at DOC16/59520
11	Groundwater quality monitoring	Piezometer labelled 'Piezo 5' identified in Figure 1 of the document titled "Narrandera Poultry Production Complex - Water Management Plan" dated March 2016, kept on EPA file EF16/1645 at DOC16/59520
12	Groundwater quality monitoring	Piezometer labelled 'Piezo 6' identified in Figure 1 of the document titled "Narrandera Poultry Production Complex - Water Management Plan" dated March 2016, kept on EPA file EF16/1645 at DOC16/59520

P1.3 The following points referred to in the table below are identified in this licence for the purposes of weather and/or noise monitoring and/or setting limits for the emission of noise from the premises.

Noise/Weather

EPA identification no.	Type of monitoring point	Location description
1	Meteorological Station	Meteorological Station is identified in Figure 2 of the Operational Environmental Management Plan dated 19 April 2016 prepared for the Narrandera Poultry Production Complex

3 Limit Conditions

L1 Pollution of waters

L1.1 Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.

L2 Waste

L2.1 The licensee must not cause, permit or allow any waste generated outside the premises to be received at the premises for storage, treatment, processing, reprocessing or disposal or any waste generated at the premises to be disposed of at the premises, except as expressly permitted by the licence.

L2.2 This condition only applies to the storage, treatment, processing, reprocessing or disposal of waste at the premises if those activities require an environment protection licence.

L3 Noise limits

L3.1 Noise from the premises must not exceed an Leq (15 minute) noise emission criterion of 35dB(A), except as expressly provided by this licence.

L3.2 Noise from the premises is to be measured at the nearest sensitive receptor not associated with the premises to determine compliance with this condition.

L3.3 The noise emission limits identified in this licence apply under all meteorological conditions except:
a) during rain and wind speeds (at 10m height) greater than 3m/s; and
b) under "non-significant weather conditions".

Note: Field meteorological indicators for non-significant weather conditions are described in the NSW Industrial Noise Policy, Chapter 5 and Appendix E in relation to wind and temperature inversions.

L4 Other limit conditions

L4.1 The total number of birds accommodated at the premises, at any one time, must not exceed 3,920,000.

L4.2 All waste water treatment, storage and terminal ponds must have a minimum pond base and wall permeability

of 1x10-9 metres per second or be artificially lined with an impermeable high density polyethylene liner.

L4.3 All waste water collection ponds must be designed, constructed and maintained to accommodate the stormwater runoff volume generated in a 1 in 20 year, 24 hour rainfall event using a volumetric runoff coefficient of 0.8.

4 Operating Conditions

O1 Activities must be carried out in a competent manner

O1.1 Licensed activities must be carried out in a competent manner.
This includes:
a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and
b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.

O2 Maintenance of plant and equipment

O2.1 All plant and equipment installed at the premises or used in connection with the licensed activity:
a) must be maintained in a proper and efficient condition; and
b) must be operated in a proper and efficient manner.

O3 Dust

O3.1 Activities occurring in or on the premises must be carried out in a manner that will minimise the generation, or emission from the premises, of wind-blown or traffic generated dust.

O3.2 Trucks entering and leaving the premises that are carrying loads must be covered at all times, except during loading and unloading.

O4 Processes and management

O4.1 There must be a minimum of 36 hours between the commencement of broiler accommodation in each Poultry Production Unit.

O5 Waste management

O5.1 The premises must:
a) Have sufficient on site chillers to store all general bird mortalities (~1% of birds on site at any time);
b) Remove all mortalities found in the sheds immediately to the chillers; and
c) Ensure that when chillers are in use they are kept at $\leq$ 4 degrees Celsius.

O5.2 Any bird mortalities generated at the premises are not permitted to be buried on site. Bird mortalities must be disposed or processed at a facility that can lawfully receive the waste

Note: This condition does not apply if the applicant is directed by the NSW Department of Primary Industries to bury the birds on site.

O5.3 All waste water and contaminated stormwater must be captured in a waste water collection system and be prevented from leaving the premises.

Note: This condition does not apply in rainfall events which create greater volumes of stormwater than an event with an average recurrence interval of a local 1 in 20 year, 24 hour rain event.

5 Monitoring and Recording Conditions

M1 Monitoring records

M1.1 The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.

M1.2 All records required to be kept by this licence must be:
a) in a legible form, or in a form that can readily be reduced to a legible form;
b) kept for at least 4 years after the monitoring or event to which they relate took place; and
c) produced in a legible form to any authorised officer of the EPA who asks to see them.

M1.3 The following records must be kept in respect of any samples required to be collected for the purposes of this licence:
a) the date(s) on which the sample was taken;
b) the time(s) at which the sample was collected;
c) the point at which the sample was taken; and
d) the name of the person who collected the sample.

M2 Requirement to monitor concentration of pollutants discharged

M2.1 For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:

M2.2 Water and/ or Land Monitoring Requirements

POINT 2,3,4,5,6

Pollutant	Units of measure	Frequency	Sampling Method
Electrical conductivity	microsiemens per centimetre	Yearly	Grab sample

Nitrogen (total)	milligrams per litre	Yearly	Grab sample
pH	pH	Yearly	In situ
Phosphorus (total)	milligrams per litre	Yearly	Grab sample
Total suspended solids	milligrams per litre	Yearly	Grab sample

POINT 7,8,9,10,11,12

Pollutant	Units of measure	Frequency	Sampling Method
Ammonia	milligrams per litre	Yearly	Representative sample
Calcium	milligrams per litre	Yearly	Representative sample
Chloride	milligrams per litre	Yearly	Representative sample
Electrical conductivity	microsiemens per centimetre	Yearly	Representative sample
Magnesium	milligrams per litre	Yearly	Representative sample
Nitrate	milligrams per litre	Yearly	Representative sample
pH	pH	Yearly	Representative sample
Phosphorus	milligrams per litre	Yearly	Representative sample
Potassium	milligrams per litre	Yearly	Representative sample
Sodium	milligrams per litre	Yearly	Representative sample
Sulfate	milligrams per litre	Yearly	Representative sample
Total dissolved solids	milligrams per litre	Yearly	Representative sample

M3 Testing methods - concentration limits

M3.1 Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted.

M4 Weather monitoring

M4.1 At the point(s) identified below, the licensee must monitor (by sampling and obtaining results by analysis) the parameters specified in Column 1 of the table below, using the corresponding sampling method, units of measure, averaging period and sampling frequency, specified opposite in the Columns 2, 3, 4 and 5 respectively.

Environment Protection Licence

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POINT 1

Parameter	Sampling method	Units of measure	Averaging period	Frequency
Wind Speed at 10 metres	AM-2 & AM-4	metres per second	15 minutes	Continuous
Wind Direction at 10 metres	AM-2 & AM-4	Degrees	15 minutes	Continuous
Temperature at 10 metres	AM-4	degrees Celsius	15 minutes	Continuous
Temperature at 2 metres	AM-4	degrees Celsius	15 minutes	Continuous
Rainfall	AM-4	millimetres per hour	15 minutes	Continuous

M5 Recording of pollution complaints

M5.1 The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.

M5.2 The record must include details of the following:
a) the date and time of the complaint;
b) the method by which the complaint was made;
c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;
d) the nature of the complaint;
e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and
f) if no action was taken by the licensee, the reasons why no action was taken.

M5.3 The record of a complaint must be kept for at least 4 years after the complaint was made.

M5.4 The record must be produced to any authorised officer of the EPA who asks to see them.

M6 Telephone complaints line

M6.1 The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.

M6.2 The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.

M6.3 The preceding two conditions do not apply until 3 months after the date of the issue of this licence.

6 Reporting Conditions

Environment Protection Licence

Licence - 20748

R1 Annual return documents

R1.1 The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:

1. a Statement of Compliance,
2. a Monitoring and Complaints Summary,
3. a Statement of Compliance - Licence Conditions,
4. a Statement of Compliance - Load based Fee,
5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan,
6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and
7. a Statement of Compliance - Environmental Management Systems and Practices.

At the end of each reporting period, the EPA will provide to the licensee notification that the Annual Return is due.

R1.2 An Annual Return must be prepared in respect of each reporting period, except as provided below.

Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.

R1.3 Where this licence is transferred from the licensee to a new licensee:
a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and
b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.

Note: An application to transfer a licence must be made in the approved form for this purpose.

R1.4 Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on:
a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or
b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.

R1.5 The Annual Return for the reporting period must be supplied to the EPA via eConnect *EPA* or by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').

R1.6 The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.

R1.7 Within the Annual Return, the Statements of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:
a) the licence holder; or
b) by a person approved in writing by the EPA to sign on behalf of the licence holder.

Environment Protection Licence

R2 Notification of environmental harm

R2.1 Notifications must be made by telephoning the Environment Line service on 131 555.

Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.

R2.2 The licensee must provide written details of the notification to the EPA within 7 days of the date on which they became aware of the incident.

R3 Written report

R3.1 Where an authorised officer of the EPA suspects on reasonable grounds that:
a) where this licence applies to premises, an event has occurred at the premises; or
b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence,
and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.

R3.2 The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.

R3.3 The request may require a report which includes any or all of the following information:
a) the cause, time and duration of the event;
b) the type, volume and concentration of every pollutant discharged as a result of the event;
c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event;
d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort;
e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants;
f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and
g) any other relevant matters.

R3.4 The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.

7 General Conditions

G1 Copy of licence kept at the premises or plant

G1.1 A copy of this licence must be kept at the premises to which the licence applies.

G1.2 The licence must be produced to any authorised officer of the EPA who asks to see it.

G1.3 The licence must be available for inspection by any employee or agent of the licensee working at the premises.

8 Special Conditions

E1 Odour validation audit

E1.1 When directed by the EPA, the licensee must submit an Odour Validation Report (OVR) to the EPA. The OVR must:

- Be completed by a suitably qualified independent expert experienced in the characterisation and treatment of odours from chicken broiler farms;
- Include a summary of any odour complaints received and actions taken to reduce odour emissions where complaints are verified;
- Where possible include a field odour survey that characterises the frequency, intensity, duration, offensiveness, location and extent of off-site odours;
- Benchmark the design and management practices at the premises against industry best practice for minimising odour emissions, including investigation of newly developed and emerging control technology;
- Within six (6) weeks after being directed by the EPA, present a report to the EPA that determines compliance with Section 129 of the *Protection of the Environment Operations Act 1997* and recommend if additional mitigation measures are required;
- Consider odour generation associated with stocking densities, rates and PPU population practices outlined in condition A6 of the development consent;
- Where additional odour control measures are recommended, or odour issues are identified as being from stocking density, rates or PPU population practices, appropriate mitigation measures or management practices must be nominated to ensure that odour is minimised as far as practicable; and
- Any odour mitigation measures nominated must include a timetable for implementation.

Environment Protection Licence

Licence - 20748

Dictionary

General Dictionary

3DGM [in relation to a concentration limit]	Means the three day geometric mean, which is calculated by multiplying the results of the analysis of three samples collected on consecutive days and then taking the cubed root of that amount. Where one or more of the samples is zero or below the detection limit for the analysis, then 1 or the detection limit respectively should be used in place of those samples
Act	Means the Protection of the Environment Operations Act 1997
activity	Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997
actual load	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
AM	Together with a number, means an ambient air monitoring method of that number prescribed by the *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*.
AMG	Australian Map Grid
anniversary date	The anniversary date is the anniversary each year of the date of issue of the licence. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
annual return	Is defined in R1.1
Approved Methods Publication	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
assessable pollutants	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
BOD	Means biochemical oxygen demand
CEM	Together with a number, means a continuous emission monitoring method of that number prescribed by the *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*.
COD	Means chemical oxygen demand
composite sample	Unless otherwise specifically approved in writing by the EPA, a sample consisting of 24 individual samples collected at hourly intervals and each having an equivalent volume.
cond.	Means conductivity
environment	Has the same meaning as in the Protection of the Environment Operations Act 1997
environment protection legislation	Has the same meaning as in the Protection of the Environment Administration Act 1991
EPA	Means Environment Protection Authority of New South Wales.
fee-based activity classification	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.
general solid waste (non-putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997

Environment Protection Licence

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flow weighted composite sample	Means a sample whose composites are sized in proportion to the flow at each composites time of collection.
general solid waste (putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environmen t Operations Act 1997
grab sample	Means a single sample taken at a point at a single time
hazardous waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
licensee	Means the licence holder describe d at the front of this licence
load calculation protocol	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
local authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
material harm	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997
MBAS	Means methylene blue active substances
Minister	Means the Minister administering the Protection of the Environment Operations Act 1997
mobile plant	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
motor vehicle	Has the same meaning as in the Protection of the Environment Operations Act 1997
O&G	Means oil and grease
percentile [in relation to a concentration limit of a sample]	Means that percentage [eg.50%] of the number of samples taken that must meet the concentration limit specified in the licence for that pollutant over a specified period of time. In this licence, the specified period of time is the Reporting Period unless otherwise stated in this licence.
plant	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.
pollution of waters [or water pollution]	Has the same meaning as in the Protection of the Environment Operations Act 1997
premises	Means the premises described in condition A2.1
public authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
regional office	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence
reporting period	For the purposes of this licence, the reporting period means the period of 12 months after the issue of the licence, and each subsequent period of 12 mo nths. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
restricted solid waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
scheduled activity	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997
special waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
TM	Together with a number, means a test method of that number prescribed by the *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*.

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TSP	Means total suspended particles
TSS	Means total suspended solids
Type 1 substance	Means the elements antimony, arsenic, cadmium, lead or mercury or any compound containing one or more of those elements
Type 2 substance	Means the elements beryllium, chromium, cobalt, manganese, nickel, selenium, tin or vanadium or any compound containing one or more of those elements
utilisation area	Means any area shown as a utilisation area on a map submitted with the application for this licence
waste	Has the same meaning as in the Protection of the Environment Operations Act 1997
waste type	Means liquid, restricted solid waste, general solid waste (putrescible), general solid waste (non-putrescible), special waste or hazardous waste
Wellhead	Has the same meaning as in Schedule 1 to the Protection of the Environment Operations (General) Regulation 2021.

Mr Jason Price

Environment Protection Authority

(By Delegation)

Date of this edition: 22-April-2016

End Notes

2 Licence varied by notice 1629275 issued on 28-Jun-2023

Appendix C WAL 11788

2023-2024 Annual Review

Narrandera Poultry Production Complex

ProTen Limited

SLR Project No.: 630.V14117.00001

30 July 2024

Department of Primary Industries
Office of Water

Statement of Conditions

as at Wednesday, 8 April 2015

Issued under Water Management Act 2000

WAL number	11788
Reference number	40AL403630

Contact for service of documents

Name	PROTEN HOLDINGS PTY LTD
Address	PO Box 1746 NORTH SYDNEY NSW 2060

All holders

Name(s)	PROTEN HOLDINGS PTY LTD

Licence details

Water source	LOWER MURRUMBIDGEE DEEP GROUNDWATER SOURCE
Water sharing plan	LOWER MURRUMBIDGEE GROUNDWATER SOURCES
Management zone	
Category	AQUIFER
Share component	488 units
Tenure type	Continuing

Conditions

The water access licence with DWE Reference No 40AL403630 is subject to the following conditions:

Plan conditions

Water sharing plan ***Lower Murrumbidgee Groundwater Sources***

Take of water

MW0812-00001 This licence entitles its holder to the specified shares in the available water from the specified water source as described in this licence.

MW0697-00001 Where the licence holder is a member of a registered group formed under the plan, the licence holder must not cause or allow the combined restricted extraction calculated to apply to the group in any one year, to be exceeded.

MW0814-00001 The licence holder must only take water under this licence using the water supply work nominated by this licence, unless otherwise allowed by the Act or the plan.

MW0815-00001 The licence holder must comply with the terms of the extraction component specified on this licence, including the times, rates or circumstances in which, and the areas or locations from which, water may be taken under this licence, subject to any extraction restrictions in local impact areas.

MW0822-00001 The licence holder must not take water under this licence if the resulting debit from the water allocation account for this licence will exceed the volume of water in the account.

MW0820-00001 The licence holder must comply with all restrictions and reductions of extraction rates declared or ordered by the Minister to apply in a local impact area.

MW0818-00001 The licence holder must comply with all applicable available water determination(s).

MW0821-00001 The licence holder must comply with the water allocation account management rules established by the plan.

MW0824-00001 The licence holder must not take water through a water supply work located in areas where the extraction is likely to cause an adverse local impact on water levels, water quality, aquifer integrity or on groundwater dependent ecosystems.

MW0819-00001 The licence holder must not take more water than is allowed pursuant to an applicable AWD unless the taking is pursuant to a lawful transfer or assignment under Chapter 3 Part 2 of the Act.

Use of water

MW0686-00001 The licence holder must not take water for any purpose other than domestic consumption and stock watering purposes or other than in exercising native title rights, through a water supply work nominated on this licence, if the water supply work is within 1,000 m of any high priority groundwater dependent ecosystem listed in Schedule 4 of the plan, or within 1,000 m of any creek or river, unless the water supply work :
(A) only draws water from an aquifer at depths approved by the Minister, and complies with all specifications of the Minister under clause 38 of the plan, or
(B) was authorised by licence under the Water Act 1912.

Water management works

MW0813-00001 The water supply work nominated by this licence is the water supply work authorised by a works approval nominated by this licence.

Monitoring and recording

MW0636-00001 The licence holder must produce the logbook to the Minister for inspection, when requested.

Additional conditions

MW0698-00001 The licence holder must comply with the access licence dealing principles as gazetted under section 71Z of the Act and all other access licence dealing rules established by the plan.

MW0823-00001 The licence holder must pay any charge imposed by the Minister under section 114 of the Act or regulations, for the cost of activities or works under the plan.

Other conditions

No other conditions applicable

Glossary

available water determination - An Available water determination (AWD) is a water allocation which specifies the amount of water that can be taken during the water year. AWDs are made for each access licence category in each water source. AWDs are defined under the Water Management Act 2000, s. 59.

cease to take - Cease to take conditions means any condition on this approval, or on the access licence under which water is proposed to be taken, that prohibits the taking of water in a particular circumstance.

domestic consumption - Domestic consumption is the use of water for normal household purposes in domestic premises situated on the land.

high priority groundwater dependent ecosystem - High priority groundwater dependent ecosystems have their species composition and natural ecological processes wholly or partially determined by groundwater and are considered high priority for protection or restoration.

logbook - A logbook is a document, electronic or hard copy, that records specific required information.

share component - The share component is the specified shares in the available water within a particular water management area.

stock watering - Stock watering is the use of water for stock animals being raised on the land. It does not include the use of water for the raising of stock animals on an intensive commercial basis (kept in feedlots or buildings for all, or a substantial part, of the period during which the stock animals are being raised).

General Notes

All conditions on a water access licence require compliance. An appeal to the Land and Environment Court against a decision to impose certain conditions on an approval can be made within 28 days after the date the decision is made. Conditions identified with the first letter "D" are those that can be appealed during the appeal period.

Certain dealings and other matters relating to this water access licence or a holding in this water access licence must be registered in the Access Register in accordance with section 71A of the *Water Management Act 2000*. For information about the Access Register, contact Land and Property Information (http://www.lpi.nsw.gov.au).

Appendix D Surface Water Long Term Data

2023-2024 Annual Review

Narrandera Poultry Production Complex

ProTen Limited

SLR Project No.: 630.V14117.00001

30 July 2024

Table 3 - Surface Water Monitoring Results

Site	Date Sampled	General			Nutrients			
		pH (pH Units)	Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Total Nitrogen (mg/L)	Nitrate/Nitrite as N (mg/L)	Total Phosphorus (mg/L)
ANZECC Criteria Limits		6.5 - 8.0	125 - 2,200	-	-	0.5	0.04	0.05
NSW Water Quality Objectives		6.5 - 8.5	125 - 2,200	-	-	0.5	-	0.05
Entry	14-Jul-16	7.2	141	277	2	3	0.9	0.3
Freezer Room Table Drain		7.2	125	193	2	3	1.1	0.4
Farm 77 Sth Table Drain		7.3	103	657	2	3	1.1	0.3
Farm 77 Nth Table Drain		7.4	140	347	2	3	0.9	0.3
Farm 78 SE Dam		7.6	137	1,360	2	4	1.6	0.6
Farm 79 SE Dam		7.8	170	1,330	4	6	1.7	0.6
Farm 78 SW Dam		7.7	155	1,330	<2	2	2	0.5
Farm 79 NW Dam		7.4	140	287	2	3	1	0.3
Farm 78 Sediment Dam	29-Sep-16	7.6	146	796	2	3	1.1	0.7
Farm 78 Swale Drain		7.8	139	2,560	2	3	1.1	1.2
Farm 79 Sediment Dam		7.4	160	230	2	7	5.3	0.9
Farm 79 Swale Drain		6.9	145	1,260	4	4	0.5	1.3
Farm 75 Roadside table	17-Mar-17	7.8	133	6,160	6	7	0.9	1.7
Farm 78 Sediment Dam		7.5	213	604	2	5	2.7	0.8
Farm 79 Sediment Dam		7.7	275	89	2	<2	0.9	0.2
Concrete batch plant table drain		7.5	230	3,350	5	5	0.1	1.2
S1	17-Jun-17	7.3	146	238	2	-	0.5	0.2
S2		7.2	301	688	5	-	0.5	0.2
S3		7.6	113	56	3	-	0.5	0.1
PPU1		7.7	272	744	2	-	0.5	0.2
PPU2		7.5	67	732	2	-	0.5	0.3
PPU3		7.4	266	288	3	-	0.9	0.4
PPU4		7.5	246	13	2	-	3.5	0.3
PPU5		7.4	187	88	2	-	4.6	0.6
PPU1	28-Sep-17	7.8	360	116	<2	<2	0.6	<0.01

Site	Date Sampled	General			Nutrients			
		pH (pH Units)	Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Total Nitrogen (mg/L)	Nitrate/Nitrite as N (mg/L)	Total Phosphorus (mg/L)
PPU2		7.3	361	345	15	16	1.4	2.7
PPU3		7.6	327	10	3	7	3.6	0.5
PPU4		8.2	303	9	2	8	5.9	0.2
PPU1	11-Jan-18	7.5	268	1,000	2	4	1.8	0.1
PPU2		7.2	213	510	9	9	0.2	0.6
PPU3		9.2	374	221	3	3	0.1	0.1
PPU4		9.1	258	218	5	5	0.1	0.3
PPU5		8.2	222	115	2	6	4.5	0.4
PPU1	05-Mar-18	9.7	493	29	2	2	<0.5	0.3
PPU2		8.7	388	1,280	10	14	3.8	2.1
PPU3		8.5	729	1,660	14	14	<0.5	2.2
PPU4		8.1	514	454	10	10	<0.5	1.2
PPU5		8.2	301	87	<2	2	2.5	0.7
PPU1	03-Jun-18	9.4	677	28	19	19	0.2	0.2
PPU2		7.9	479	1,100	21	21	0.3	2.8
PPU3		9	833	39	4	5	1.4	0.3
PPU4		8.5	456	13	2	3	0.9	0.8
PPU5		8.3	370	129	<2	3	3.1	0.9
PPU1	04-Sep-18	8	720	69	78	79	0.8	1.2
PPU2		7.9	389	27	79	80	1.2	1.7
PPU3		8.2	407	32	4	4	0.2	0.9
PPU4		9	573	390	25	25	0.4	2
PPU5		8.1	395	49	3	6	3	1.1
PPU1	18-Dec-18	7	708	12	4	4	<0.5	0.6
PPU2		7.2	388	117	5	5	<0.5	1.6
PPU3		7.2	701	106	7	8	0.5	1.2
PPU4		7.6	411	15	2	2	<0.5	1
PPU5		8.6	482	21	2	3	0.8	0.7
PPU1	19-Mar-19	8.3	862	129	6	6	<1	0.6

Site	Date Sampled	General			Nutrients			
		pH (pH Units)	Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Total Nitrogen (mg/L)	Nitrate/Nitrite as N (mg/L)	Total Phosphorus (mg/L)
PPU2		7.4	447	1,220	18	18	<1	3.7
PPU3		7.9	249	330	46	46	<1	0.5
PPU4		7.4	434	11	2	2	<1	0.7
PPU5		7.4	636	55	7	7	<1	1
PPU1	19-Jun-19	7.6	271	-	3	3	<0.5	0.4
PPU2		7.4	253	-	3	3	<0.5	0.4
PPU3		7.4	202	-	5	8	2.8	1.4
PPU4		7.7	318	-	<2	<2	<0.5	0.6
PPU5		8	400	-	4	5	0.6	0.7
SW		6.9	366	-	3	3	<0.5	0.2
PPU1	19-Sep-19	7.2	293	124	5	5	<1	0.2
PPU2		7	317	677	6	20	14	0.2
PPU3		7.5	268	301	4	6	2	0.6
PPU4		7.5	397	54	4	11	7	2.4
PPU5		7.4	410	45	4	8	4	1.8
PPU1	03-Dec-19	7.1	429	242	3	5	1.8	0.9
PPU2		7.4	409	946	9	9	<0.1	2.7
PPU3		7.4	413	309	6	7	1.1	2.1
PPU4		7.4	525	643	8	8	<0.1	2.4
PPU5		7.5	465	94	<2	<2	0.9	0.7
PPU1	20-Mar-20	6.6	368	135	3	4	0.6	0.5
PPU2		6.6	211	37	5	5	<0.1	1.2
PPU3		6.8	242	26	2	2	0.5	0.8
PPU4		7.2	215	19	3	3	<0.1	1.2
PPU5		7.3	415	59	2	2	0.3	0.8
PPU1	12-Jun-20	6.9	308	4	2	2	<1	0.6
PPU2		6.7	192	121	4	6	2	1
PPU3		6.7	243	74	4	5	1	1.2
PPU4		6.8	253	21	2	2	<1	0.6

Site	Date Sampled	General			Nutrients			
		pH (pH Units)	Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Total Nitrogen (mg/L)	Nitrate/Nitrite as N (mg/L)	Total Phosphorus (mg/L)
PPU5		7.2	294	56	5	6	1	0.7
PPU1	19-Nov-20	7.5	327	444	3	3	<0.1	0.2
PPU2		7.5	265	144	6	6	<0.1	0.9
PPU3		8.4	266	49	5	5	<0.1	0.5
PPU4		8.1	356	64	4	4	0.4	1.5
PPU5		7.9	338	60	4	6	1.8	1
PPU1	14-Apr-21	7.2	214	9	<2	<2	<0.1	<0.01
PPU2		7.2	173	132	6	6	<0.1	0.59
PPU3		7.2	271	102	5	6	1.3	0.55
PPU4		7.2	205	80	4	4	<0.1	0.98
PPU5		7.5	215	37	3	3	0.4	<0.01
S1		7.3	290	318	-	-	<1	0.18
PPU1	24-Sep-21	7.3	222	35	2	2	0.2	0.39
PPU2		7.3	248	114	3	6	3	0.81
PPU3		7.3	268	91	4	6	2.5	0.94
PPU4		7.4	198	44	2	2	0.3	0.21
PPU5		7.4	254	30	5	6	0.7	0.88
PPU1	04-May-22	6.8	180	15	2	4	2	<0.01
PPU2		6.9	77	30	8	8	<0.01	0.55
PPU3		6.8	166	24	3	6	3.1	0.54
PPU4		6.8	152	33	3	7	4	1.11
PPU5		6.9	170	7	3	4	1	<0.1
PPU1	09-Sep-22	7.0	205	103	3	7	4.1	0.86
PPU2		7.1	129	68	2	3	0.9	0.57
PPU3		7.1	180	36	2	6	4.2	0.75
PPU4		7.2	189	29	5	8	2.9	1.06
PPU5		7.3	190	24	4	6	2.4	0.7
PPU1	15-Mar-23	6.7	220	88	2	2	.4	.15
PPU2		8.8	245	55	7	7	.4	.23

Site	Date Sampled	General			Nutrients			
		pH (pH Units)	Electrical Conductivity (µS/cm)	Total Suspended Solids (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Total Nitrogen (mg/L)	Nitrate/Nitrite as N (mg/L)	Total Phosphorus (mg/L)
PPU3		8.4	255	20	4	6	2	.42
PPU4		9.2	200	11	3	3	.1	.21
PPU5		8.5	204	10	2	3	1.4	.32
PPU1		7.2	317	111	7	8	1.1	1.01
PPU2		7.2	288	72	12	12	0.5	1.1
PPU3	23-Sep-23	7.3	283	45	8	11	3.4	1.48
PPU4		7.3	236	32	7	8	0.6	1.13
PPU5		7.3	267	32	10	11	1	1.99
MIN		6.6	67	4	2	2	0.1	0.01
MAX		9.7	862	6160	79	80	14	3.7
AVERAGE		7.6	305.2	352.7	6.2	7.7	1.5	0.8

Green - exceeds the upper ANZECC Criteria Limits
Orange - exceeds the lower NSW Water Quality Objectives criteria limit

Appendix E Groundwater Long Term Data

2023-2024 Annual Review

Narrandera Poultry Production Complex

ProTen Limited

SLR Project No.: 630.V14117.00001

30 July 2024

Table 4 - Shallow Aquifer Piezometer Groundwater Monitoring Results (Shepparton Formation)

Piezo ID	Date	General Parameters			Major Ions								Nutrients			Misc
		pH	Electrical Conductivity	Total Dissolved Solids	Sodium	Calcium	Potassium	Magnesium	Chloride	Sulphate	Carbonate as $CaCO_3$	Bicarbonate as $CaCO_3$	Ammonia as N	Nitrate as N	Phosphorus	Total organic carbon
		-	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
ANZECC Guidelines		6.5 - 8.5	-	1,200	180	-	-	-	250	250	200	200	0.5	50	-	-
Piezo 1 Deep	Apr-16	7.1	253	215	39	8.7	3	4.7	13	5	2	116	0.1	1	0.11	11
	Oct-16	7.2	190	148	33.3	4.4	2.3	3.2	13.3	5	2	167	0.1	1	0.04	0.7
	Mar-17	7.1	190	135	31.6	4.8	1.1	3.7	15.6	4.6	2	91	0.1	0.1	0.16	4.4
	Jun-17	7	181	152	24.8	5.3	0.8	2.7	11.6	2.5	2	76	0.1	0.5	0.01	0.6
	Sep-17	7.2	186	133	24.6	4.7	1.6	4	11.5	2.5	2	76	1.1	0.5	0.01	0.7
	Jan-18	7.5	196	79	26.6	4.2	1.4	4	18.3	8	2	75	0.1	0.5	0.01	0.5
	Mar-18	9.1	191	140	30.9	5.2	1.6	2.9	12	9.3	2	-	0.1	1	0.09	1
	Jun-18	7.4	191	141	27.7	2.7	0.6	2.2	20.8	3.8	-	77	0.1	0.1	0.09	0.5
	Sep-18	7.5	182	119	31	2.6	2	0.7	11.6	4.1	2	80	0.1	0.5	0.11	0.7
	Dec-18	8.2	244	137	38.8	4.7	1.2	3.9	14.9	4.8	2	76	0.1	0.5	0.09	0.9
	Mar-19	7.7	200	170	36.5	2.8	2.1	2.3	20	5.9	2	369	0.3	1	0.18	0.6
	Jun-19	8.1	175	149	39.6	5.1	1.7	2.8	11.2	3.2	-	77	22	0.5	0.19	0.7
	Sep-19	7.5	189	142	40.8	3.9	1.7	2.3	13	6	2	81	0.1	1	0.01	0.8
	Dec-19	7.7	186	149	30.1	5.5	1.7	2.6	11.2	4.5	2	-	0.1	0.1	0.01	0.5
	Mar-20	6.8	183	124	28.8	3.8	0.9	3	16.3	2.7	2	-	2.5	0.1	0.03	0.5
	Jun-20	7.4	190	191	29.4	2.8	0.9	3.2	7.8	1.9	2	83	0.2	1	0.06	0.5
	Nov-20	7.8	283	130	32	-	1.1	3	13	11.2	2	-	0.1	1	0.01	0.9
	Apr-21	7.3	193	178	39.7	3.44	2.2	2.89	9.6	2.8	<2	82	0.1	1	0.01	0.5
	Sep-21	7.5	183	141	28.1	4.48	<2.00	2.22	12	5	<2	-	0.1	0.3	<0.1	<0.5
	May-22	6.7	167	116	40	3.66	2	2.95	11.5	2.5	<2	-	<0.1	0.4	<0.01	<0.5
	Sep-22	7.6	186	170	30	4.8	1.3	3.1	41	<5	<2	-	<0.1	<1	0.24	0.6
	Mar-23	6.3	195	119	28.6	4.65	2.6	3.11	12.7	4.1	<2		0.3	0.3	0.16	0.5
	Sep-23	8.4	190	122	34	4.68	<2.0	3.2	41	10.4	<2	-	0.4	<1	0.36	0.5
	Avg	***7.5***	***196.7***	***143.5***	***32.4***	***4.4***	***1.6***	***3.0***	***15.8***	***5.0***	***2.0***	***109.0***	***1.3***	***0.6***	***0.1***	***1.3***
Piezo 2 Deep	Apr-16	7.1	305	220	49	9.2	3.4	5.7	22	5	2	122	0.1	1	0.12	5
	Oct-16	6.9	179	141	17.2	-	1.1	3.5	69.1	-	2	71	0.1	0.5	0.08	0.5
	Mar-17	7.2	276	172	48.7	5.9	1.3	4.6	19.2	5.5	2	126	0.1	0.1	0.02	0.8
	Jun-17	7	266	190	36.8	7.9	1.6	4.3	16.4	4.1	2	110	0.1	0.5	0.05	1.4

Piezo ID	Date	General Parameters			Major Ions								Nutrients			Misc
		pH	Electrical Conductivity	Total Dissolved Solids	Sodium	Calcium	Potassium	Magnesium	Chloride	Sulphate	Carbonate as $CaCO_3$	Bicarbonate as $CaCO_3$	Ammonia as N	Nitrate as N	Phosphorus	Total organic carbon
		-	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
ANZECC Guidelines		6.5 - 8.5	-	1,200	180	-	-	-	250	250	200	200	0.5	50	-	-
	Sep-17	7.1	269	200	35.4	6.9	1.7	5.6	20.5	4.8	2	104	0.3	0.5	0.01	0.8
	Jan-18	7.3	293	205	35.6	6.9	1.9	5.3	24.9	6.9	2	104	0.1	0.5	0.01	0.8
	Mar-18	8.5	281	204	45.5	7.7	2.4	4.8	19	11.2	2	-	0.1	1	0.04	0.8
	Jun-18	7.2	271	193	38.7	4.4	1	3.7	12.5	2.4	-	105	0.1	0.1	0.12	0.5
	Sep-18	7.3	283	200	48.8	3.6	2.8	1.8	21.1	6.4	2	111	0.1	0.5	0.08	0.7
	Dec-18	8	301	191	48.7	6.4	1.6	4.8	17.6	5.8	2	104	0.1	0.5	0.06	0.8
	Mar-19	7.5	275	222	49.9	4.8	2.6	3.6	18	6.1	2	110	0.1	1	0.09	0.5
	Jun-19	7.4	271	204	52	6.9	2	4.7	19.3	4.1	-	108	34	0.5	0.09	0.6
	Sep-19	7.3	281	219	61.1	6.5	2.8	4.5	19	7	2	115	0.1	1	0.01	0.8
	Dec-19	7.3	272	196	43.2	5.8	2.3	4.8	18.2	6.1	2	-	0.1	0.2	0.01	0.5
	Mar-20	6.8	264	180	37.5	5.6	1.7	4.3	16.3	3.1	2	-	0.1	0.2	0.04	0.5
	Jun-20	7.2	277	205	46.2	5.2	1.2	4.7	14.8	2.3	2	112	0.1	1	0.01	0.5
	Nov-20	7.6	294	188	46	-	1.6	4.9	22.8	14.5	2	-	0.1	1	0.01	1
	Apr-21	7.2	280	198	60.3	6.44	3.4	4.99	15.4	4	2	116	0.1	2	0.01	0.6
	Sep-21	7.2	345	215	50.4	9.4	2	5.55	22	7	<2	-	<0.1	0.4	<0.01	<0.5
	May-22	6.8	350	243	55.5	6.5	3	5	46.2	6	<2	-	<0.1	0.4	<0.01	<0.5
	Sep-22	7.4	380	233	57	9.9	2	6.8	10	<5	<2	-	<0.1	<0.1	0.04	0.6
	Mar-23	6.3	426	233	54.5	9.57	3.2	6.84	72.9	5.7	<2	-	<0.1	0.5	<0.01	0.6
	Sep-23	7.6	459	294	69.9	13.4	2.4	8.69	11	12.8	<2		<0.1	<1.0	0.05	0.5
	Avg	***7.3***	***299.9***	***206.3***	***47.3***	***7.1***	***2.1***	***4.9***	***23.8***	***6.2***	***2.0***	***108.4***	***2.0***	***0.6***	***0.0***	***0.9***
Piezo 3 Deep	Apr-16	7.2	278	194	41	11.4	4.9	6.7	17	5	2	131	0.1	1	0.35	5.9
	Oct-16	6.8	224	154	31.2	7.3	2.8	5.6	21.1	9	2	74	0.1	1	0.03	6.5
	Mar-17	7	182	132	27.2	5.7	1.2	4.6	14	3.4	2	72	0.1	0.1	0.09	0.7
	Jun-17	7.4	192	165	21.9	7.9	1.8	4.7	13.1	2.5	2	76	0.1	0.5	0.09	0.8
	Sep-17	7.2	182	157	19.2	6.7	1.6	5.4	13.2	2.5	2	70	1.3	0.5	0.01	0.6
	Jan-18	7.2	182	117	18.2	6.6	1.8	5.2	13.4	6.1	2	66	0.1	0.5	0.01	0.7
	Mar-18	8.3	182	122	22	6.7	1.8	4	14	7.5	2	-	0.1	1	0.06	0.5
	Jun-18	7.1	180	139	21.7	5.1	1.1	4.1	15.6	2.8	-	65	0.1	0.1	0.13	0.5
	Sep-18	7.2	181	124	20.8	3.2	2.3	1.5	13.6	3.6	2	70	0.1	0.5	0.1	0.6

Piezo ID	Date	General Parameters			Major Ions								Nutrients			Misc
		pH	Electrical Conductivity	Total Dissolved Solids	Sodium	Calcium	Potassium	Magnesium	Chloride	Sulphate	Carbonate as $CaCO_3$	Bicarbonate as $CaCO_3$	Ammonia as N	Nitrate as N	Phosphorus	Total organic carbon
		-	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
ANZECC Guidelines		6.5 - 8.5	-	1,200	180	-	-	-	250	250	200	200	0.5	50	-	-
	Dec-18	8	177	137	25	5.9	1.4	4.6	12.6	3.8	2	65	0.1	0.5	0.07	0.6
	Mar-19	7.4	189	161	27.2	4.6	2.6	3.4	13	4.1	2	71	0.1	1	0.01	0.6
	Jun-19	7.2	174	149	29.3	7.3	2.6	5.1	12.6	3	-	66	0.1	0.5	0.14	0.6
	Sep-19	7.2	173	137	30.2	5.8	2.3	3.9	13	5	2	70	0.1	1	0.01	0.5
	Dec-19	7.3	174	134	21.6	5.4	2.1	4.1	12.8	3.9	2	-	0.1	0.1	0.01	0.5
	Mar-20	6.8	168	114	18.6	5.1	1.3	4.0	7.6	1.9	2	-	0.1	0.2	0.01	0.5
	Jun-20	7	169	138	21.5	4.5	1.1	4.49	10.7	1.1	2	71	0.1	1	0.03	0.5
	Nov-20	7.4	534	128	23	-	1.4	4.2	11.9	10	2	-	0.1	1	0.01	0.7
	Apr-21	7.1	193	149	32.1	6.56	3.1	4.68	12.5	2.5	2	73	0.1	1	0.01	0.6
	Sep-21	7.2	178	105	21.8	6.35	<2.00	3.76	11	<5	<2	-	0.1	0.3	<0.01	<0.5
	May-22	6.8	182	154	30.5	6.51	3.1	4.55	13.6	3	<2	-	<0.1	0.6	<0.01	<0.5
	Sep-22	7.4	190	137	24	6.8	1.7	4.5	64	6	<2	-	<0.1	<1	0.1	0.6
	Mar-23	6.2	185	122	22.3	5.77	2.6	4.15	15.3	4.6	<2	-	<0.1	0.2	0.05	0.5
	Sep-23	7.5	185	118	26.7	6.08	<2.0	4.15	62	9.1	<2		<0.1	<1	0.06	0.5
	Avg	***7.2***	***202.3***	***138.6***	***25.1***	***6.2***	***2.1***	***4.4***	***17.7***	***4.6***	***2.0***	***74.3***	***0.2***	***0.6***	***0.1***	***1.1***
Piezo 4 Deep	Apr-16	7.3	590	716	100	17.4	7.2	12.9	50	7	2	248	0.1	1	2.35	11
	Oct-16	6.7	250	188	24.6	-	2	5.9	13	-	2	192	0.1	0.5	0.07	0.9
	Mar-17	7	566	372	96	17.6	8.5	15.5	57.6	10.2	2	210	0.5	0.1	1.85	2
	Jun-17	7	618	405	87.5	21	3.4	12.1	53	8.2	2	242	0.1	0.5	1.13	1.6
	Sep-17	6.9	600	341	79.4	17.1	3.9	14.6	60.2	10.2	2	212	0.1	0.5	0.94	1
	Jan-18	7	554	355	71.8	14.9	3.1	11.7	58.9	8.7	2	183	0.1	0.5	0.17	1
	Mar-18	7.9	538	307	80.6	23.1	3.9	14.1	58	27.7	2	-	0.1	1	0.69	0.6
	Jun-18	7	469	353	67.5	9.4	2.2	7.5	55.4	8.4	-	146	2	0.3	1.11	0.5
	Sep-18	7.2	481	245	80	7.5	5.8	6.9	56.3	9.8	2	155	1.8	0.5	0.93	0.7
	Dec-18	7.7	460	317	78.7	11.3	2.6	8.4	52.8	9.9	2	141	0.1	0.5	1.71	0.7
	Mar-19	7.6	427	288	84.3	9.5	7.8	7.2	56	10.7	2	133	0.7	1	1.27	0.5
	Jun-19	7	489	303	93.3	15.4	6.3	11.8	54.3	12.7	-	165	0.6	0.5	2.39	0.8
	Sep-19	7.2	526	378	114	15.6	5.8	11.3	62	10	2	178	0.1	1	0.01	0.9
	Dec-19	7.1	526	324	80.8	14.3	5.3	101	52.9	10.8	2	-	1	0.1	3.15	1.3

Piezo ID	Date	General Parameters			Major Ions								Nutrients			Misc
		pH	Electrical Conductivity	Total Dissolved Solids	Sodium	Calcium	Potassium	Magnesium	Chloride	Sulphate	Carbonate as $CaCO_3$	Bicarbonate as $CaCO_3$	Ammonia as N	Nitrate as N	Phosphorus	Total organic carbon
		-	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
ANZECC Guidelines		6.5 - 8.5	-	1,200	180	-	-	-	250	250	200	200	0.5	50	-	-
	Mar-20	6.7	505	343	72.1	14.8	8	90.6	60.6	6	2	-	4.6	0.3	0.45	2.4
	Jun-20	6.9	501	337	85.4	12.6	3.4	29.3	52.2	5.7	2	173	0.4	1	0.16	0.9
	Nov-20	7	585	387	79	-	2.1	35	92.3	12.5	2	-	0.1	1	0.27	1.6
	Apr-21	6.9	586	363	118	18.9	-	10.8	85.5	-	2	142	<0.1	<1	<0.01	0.6
	Sep-21	7	606	329	92.3	17.6	3.9	10.5	65	9	<2	-	0.4	0.1	0.57	<0.5
	May-22	6.7	600	364	100	15.9	9.9	10.1	105	9.5	<2	-	<0.1	0.8	<0.01	<0.5
	Sep-22	7.2	507	298	36	13	2.1	9	28	8	<2	-	<0.1	<1	0.5	0.5
	Mar-23	6.5	474	276	63.8	12.3	6.7	10.3	77.4	11.7	<2	-	0.2	0.2	0.04	0.5
	Sep-23	7.5	545	349	96.8	13.8	2.7	10.6	33	20.7	<2		<0.1	<1	0.31	0.5
	Avg	***7.1***	***521.9***	***345.1***	***81.8***	***14.9***	***4.8***	***19.9***	***58.2***	***10.8***	***2.0***	***180.0***	***0.7***	***0.6***	***1.0***	***1.5***
Piezo 4 Shallow	Nov-20	7.1	555	301	67	-	7.1	17	90.1	14.1	2	-	1.7	1	0.58	1.7
	Avg	***7.1***	***555.0***	***301.0***	***67.0***	***0.0***	***7.1***	***17.0***	***90.1***	***14.1***	***2.0***	***-***	***1.7***	***1.0***	***0.58***	***1.7***
Piezo 5 Deep	Apr-16	6.9	273	214	37	11.7	3.3	7.9	12	5	2	122	0.1	1	0.07	2.2
	Oct-16	6.7	178	139	17.7	-	1.2	3.7	13.7	-	2	68	0.1	0.5	0.08	0.5
	Mar-17	6.9	246	174	38.7	9.3	1.8	7.1	15.2	5.4	2	108	0.1	0.1	0.07	1.2
	Jun-17	6.9	236	184	26.3	10.5	1.2	5.9	11.9	2.5	2	105	0.1	0.5	0.03	1
	Sep-17	6.6	239	190	25.1	9.3	1.7	7.5	12.9	3	2	103	0.1	0.5	0.01	0.6
	Jan-18	7	241	191	23.5	9.2	1.8	6.9	12.5	6.3	2	100	0.1	0.5	0.01	0.7
	Mar-18	7.8	234	79	30.1	9.8	2	6	13	17.9	2	-	0.1	1	0.03	0.5
	Jun-18	6.9	234	162	28.6	7.5	1.2	5.8	15.2	3.2	-	98	0.1	0.1	0.13	0.5
	Sep-18	7	266	190	35.8	5	3.1	3.5	17.8	7.2	2	108	0.8	0.5	0.12	0.9
	Dec-18	7.6	232	168	32.8	9.2	1.5	6.7	11.2	4.1	2	100	0.1	0.5	0.05	0.6
	Mar-19	7.5	272	220	43.1	7.7	2.6	5.4	21	8.4	2	104	0.1	1	0.08	0.5
	Jun-19	6.7	236	171	35.7	9.6	2.2	6.3	13.3	4.4	-	100	0.1	0.5	0.16	1
	Sep-19	7.1	238	173	42.2	9.2	2.7	5.9	14	5	2	102	0.1	1	0.01	0.9
	Dec-19	7	232	171	28.8	8.2	2.3	6.2	12.1	4.9	2	-	0.1	0.1	0.05	0.7
	Mar-20	6.7	253	172	28.1	8.1	1.4	7.1	11.5	4.9	2	-	0.1	0.2	0.04	0.6
	Jun-20	6.8	241	203	30.3	7.8	1.3	6.8	9.6	2.4	2	107	0.1	1	0.04	0.5
	Nov-20	7	242	156	30	-	1.5	6.5	10	2.5	2	-	0.1	1	0.01	0.9

Piezo ID	Date	General Parameters			Major Ions								Nutrients			Misc
		pH	Electrical Conductivity	Total Dissolved Solids	Sodium	Calcium	Potassium	Magnesium	Chloride	Sulphate	Carbonate as $CaCO_3$	Bicarbonate as $CaCO_3$	Ammonia as N	Nitrate as N	Phosphorus	Total organic carbon
		-	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
ANZECC Guidelines		6.5 - 8.5	-	1,200	180	-	-	-	250	250	200	200	0.5	50	-	-
	Apr-21	6.9	236	195	40	9.26	2.9	6.49	10.8	2.6	2	107	0.1	1	0.01	0.5
	Sep-21	7	238	168	31.1	8.95	<2.00	6.01	14	<5	<2	-	0.2	0.2	0.06	<0.5
	May-22	6.7	265	198	44.4	9.66	3	6.55	20.5	4	<2	-	<0.1	0.5	<0.01	<0.5
	Sep-22	7	324	267	36	13	2	9.3	50	13	<2	-	<0.1	1	0.05	<0.5
	Mar-23	6.4	337	224	36.1	12.5	34	8.62	38.9	17.5	<2	-	<0.1	1.2	0.03	<0.5
	Sep-23	7.3	310	198	42	12.7	2.2	8.08	52	16	<2		<0.1	1	0.08	<0.5
	Avg	***7.0***	***252.3***	***182.9***	***33.2***	***9.4***	***3.5***	***6.5***	***18.0***	***6.7***	***2.0***	***102.3***	***0.1***	***0.6***	***0.1***	***0.8***
Piezo 6 Deep	Apr-16	7	409	276	56	18.5	4.8	11.5	35	5	2	210	0.1	1	0.15	5.2
	Oct-16	6.6	252	179	24.8	-	2	6.1	12.6	-	2	140	0.2	0.5	0.09	1.1
	Mar-17	6.8	347	271	50.6	13	2.3	9.2	36.1	6	2	119	0.1	0.2	0.08	1.1
	Jun-17	6.8	326	206	35.8	12	1.4	7.2	32.1	3.8	2	112	0.1	0.5	0.01	0.5
	Sep-17	6.7	391	253	43.7	13.4	3.2	11.2	43.6	8.2	2	122	1	0.5	0.01	1.1
	Jan-18	6.8	360	269	37.3	12.6	2.4	9.8	41	7.2	2	109	0.1	0.5	0.01	0.6
	Mar-18	7.5	347	213	43	12.9	2.5	8.1	38	15	2	-	0.1	1	0.02	0.5
	Jun-18	6.8	332	188	36.6	10.2	1.4	7.2	28.9	3.1	-	109	0.1	0.1	0.13	0.5
	Sep-18	7	339	174	45.6	7.5	3.1	5.9	37.8	6.6	2	114	0.1	0.5	0.1	0.8
	Dec-18	6.8	338	218	45.9	13	1.9	8.9	35	6.7	2	109	0.1	0.5	0.07	0.8
	Mar-19	7	344	240	48.3	10.4	3	6.3	36	7.1	2	107	0.1	1	0.13	0.5
	Jun-19	6.8	339	237	60.7	14.7	2.9	10.9	35.5	5.8	-	100	0.9	0.5	0.12	0.7
	Sep-19	7	338	220	56.9	12.6	2.9	8.3	43	5	2	111	0.1	1	0.01	0.7
	Dec-19	6.9	329	212	41.5	11.3	2.7	7.9	38.8	6.4	2	-	0.4	0.2	0.03	0.5
	Mar-20	6.6	319	217	34.3	10.4	1.9	7.5	29	3.6	2	-	0.1	0.3	0.24	0.6
	Jun-20	6.8	318	226	41.5	10.3	1.6	8.1	30	2.6	2	121	0.2	1	0.04	0.5
	Nov-20	6.8	325	197	39	-	1.7	8	27	2.5	2	-	0.1	1	0.01	1
	Apr-21	6.7	334	200	53.2	12.9	3.8	8.29	29.8	3.5	<2	116	<0.1	2	<0.01	0.8
	Sep-21	6.9	360	236	44.7	16.2	2.3	8.55	45	<5	<2	-	<0.1	0.4	<0.01	<0.5
	May-22	6.8	360	242	-	11.1	3.5	8.55	37.1	5	<2	-	<0.1	0.6	<0.01	<0.5
	Sep-22	6.9	332	256	40	14	2.2	8.7	44	6	<2	-	0.1	3	0.08	<0.5
	Mar-23	6.4	348	306	38.2	12.1	3.2	8.02	41.2	6.3	<2	-	<0.1	0.2	0.03	<0.5

Piezo ID	Date	General Parameters			Major Ions								Nutrients			Misc
		pH	Electrical Conductivity	Total Dissolved Solids	Sodium	Calcium	Potassium	Magnesium	Chloride	Sulphate	Carbonate as $CaCO_3$	Bicarbonate as $CaCO_3$	Ammonia as N	Nitrate as N	Phosphorus	Total organic carbon
		-	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
ANZECC Guidelines		6.5 - 8.5	-	1,200	180	-	-	-	250	250	200	200	0.5	50	-	-
	Sep-23	7.2	363	232	51.5	14.3	2.4	8.69	44	11.5	<2		<0.1	2	0.09	<0.5
	Avg	***6.9***	***341.3***	***229.0***	***44.1***	***12.5***	***2.6***	***8.4***	***35.7***	***6.0***	***2.0***	***121.4***	***0.2***	***0.8***	***0.1***	***1.0***

Table 5 - Deep Aquifer Production Bore Groundwater Monitoring Results (Calivil Formation)

Bore ID	Date	General Parameters			Major Ions								Nutrients			Misc
		pH	Electrical Conductivity	Total Dissolved Solids	Sodium	Calcium	Potassium	Magnesium	Chloride	Sulphate	Carbonate as $CaCO_3$	Bicarbonate as $CaCO_3$	Ammonia as N	Nitrate as N	Phosphorus	Total organic carbon
		-	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
ANZECC Guidelines		6.5 - 8.5	-	1,200	180	-	-	-	250	250	200	200	0.5	50	-	-
Bore 1	Aug-15	6.6	685	-	84.3	29.7	1.9	22	144	19	-	-	0.1	0.5	0.04	0.5
	Apr-16	6.8	149	104	14	6.7	1.9	5.1	9	5	2	70	0.1	1	0.11	0.5
	Oct-16	7.3	145	122	16	5.9	2	5	9.7	3.4	2	67	0.1	0.1	0.01	0.5
	Jun-17	6.8	149	120	12.6	7.2	0.7	4.7	8.8	2.1	2	63	0.1	0.5	0.01	0.5
	Sep-17	PB1 not sampled due to maintenance at the time of sampling.														
	Jan-18	7	152	129	11.4	6.1	1.2	5.5	8.6	2.4	2	61	0.1	0.5	0.01	0.5
	Jun-18	6.9	154	109	22.1	4.7	1.4	5.1	14.4	1	2	64	0.1	0.1	0.05	0.7
	Dec-18	6.9	153	107	18.8	6.5	1.1	5.4	8.5	3.3	2	61	0.1	0.5	0.02	0.5
	Jun-19	7	135	125	21.3	6.8	1.2	5.5	10.7	2.5	-	55	0.1	0.5	0.12	0.5
	Dec-19	7	141	108	13.2	5.4	1.6	4.4	9.4	3.1	2	-	0.1	0.1	0.08	0.5
	Jun-20	6.9	151	135	16	5.1	0.8	5.5	16.7	1.4	2	65	0.3	1	0.01	0.7
	Nov-20	6.9	154	106	16	-	1.1	5.1	7	2.5	2	-	0.1	1	0.01	0.6
	Apr-21	7.2	151	111	20.7	5.88	2.1	4.98	7.4	2.5	2	69	0.1	1	0.01	0.5
	Sep-21	7	149	119	16	6.29	<2.00	5.74	7.1	<5	<2	-	<0.1	<0.1	<0.01	<0.5
	May-22	7	155	123	15.9	5.6	2	4.85	9.6	1.5	<2	-	<0.1	<0.1	<0.01	<0.5
	Sep-22	7	153	142	18	6.9	1.3	5.3	10	<5	<2	-	<0.1	4	<0.01	<0.5
	Mar-23	6.5	152	95	15.9	5.93	2.2	4.71	9.6	3.1	<2	-	<0.1	<0.1	<0.01	<0.5

Bore ID	Date	General Parameters			Major Ions								Nutrients			Misc
		pH	Electrical Conductivity	Total Dissolved Solids	Sodium	Calcium	Potassium	Magnesium	Chloride	Sulphate	Carbonate as $CaCO_3$	Bicarbonate as $CaCO_3$	Ammonia as N	Nitrate as N	Phosphorus	Total organic carbon
		-	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
ANZECC Guidelines		6.5 - 8.5	-	1,200	180	-	-	-	250	250	200	200	0.5	50	-	-
	Sep-23	7.3	153	98	18.9	6.35	<2.0	4.75	10	7.2	<2	-	<0.1	3	0.06	<0.5
	Avg	***6.9***	***181.2***	***115.8***	***20.7***	***7.6***	***1.5***	***6.1***	***17.7***	***4.0***	***2.0***	***63.9***	***0.1***	***1.0***	***0.0***	***0.5***
Bore 2	Apr-16	6.8	138	124	13.7	5.5	1.9	4.4	9.9	5	2	55	0.1	1	0.1	0.5
	Oct-16	7	132	117	15.7	5.4	2	4.6	9.5	2.3	2	56	0.1	0.3	0.01	0.5
	Jun-17	7	139	107	11.3	6.3	0.6	4.2	9.3	1.8	2	56	0.1	0.5	0.01	0.5
	Sep-17	6.7	139	128	11	5.9	1.1	5.4	9.2	2.5	2	55	0.3	0.5	0.01	0.5
	Jan-18	7	140	114	9.9	5.9	1.1	5	8.7	2.2	2	53	0.1	0.5	0.01	0.5
	Jun-18	6.9	139	94	19	4.8	1.3	4.8	19.4	6.6	2	57	1.2	0.3	0.07	1
	Dec-18	6.9	140	94	15.3	5.7	1	4.7	8.7	2.9	2	53	0.1	0.5	0.02	0.5
	Jun-19	6.8	138	117	22	6.8	1.2	5.4	9.3	2.5	-	55	0.1	0.5	0.08	0.5
	Dec-19	7	141	100	13.4	5.5	1.6	4.5	9.5	5	2	-	0.1	0.1	0.01	0.5
	Jun-20	6.9	139	114	14.4	5.1	0.8	5.1	32.8	1.3	2	59	0.1	1	0.04	0.7
	Nov-20	6.9	143	95	13	-	1	4.6	8	2.5	2	-	0.1	1	0.01	0.5
	Apr-21	6.6	139	83	17.7	5.63	2.1	4.94	7.5	2.5	2	59	0.1	1	0.01	0.5
	Sep-21	7	133	103	14.1	5.97	<2.00	5.35	7.03	<5	<2	-	0.1	<0.1	<0.01	<0.5
	May-22	6.7	141	117	15.8	5.55	2	4.9	9.4	2	<2	-	<0.1	<0.1	<0.01	<0.5
	Sep-22	6.9	142	115	15	6.5	1.2	4.9	16	<5	<2	-	0.2	2	0.02	<0.5
	Mar-23	6.5	139	77	14.1	5.59	2.1	4.37	9.6	2.8	<2	-	<0.1	<0.1	<0.01	<0.5
	Sep-23	7.2	208	133	17.6	20.8	<2.0	4.68	10	7.1	<2	-	<0.1	2	<0.01	<0.5
	Avg	***6.9***	***142.9***	***107.8***	***14.9***	***6.7***	***1.4***	***4.8***	***11.4***	***3.3***	***2.0***	***55.8***	***0.2***	***0.8***	***0.0***	***0.6***

Orange - exceeds the upper ANZECC Criteria Limits

Table 6 - Production Bore Water Levels

Bore ID	Standing Water Level (mBGL)
	August 2015
Bore 1	24.5
Bore 2	24.2

Table 7 - Piezometer Water Levels

Date	Standing Water Level (mTOC[1])											
	Piezo 1 shallow	Piezo 1 deep	Piezo 2 shallow	Piezo 2 deep	Piezo 3 shallow	Piezo 3 deep	Piezo 4 shallow	Piezo 4 deep	Piezo 5 shallow	Piezo 5 deep	Piezo 6 shallow	Piezo 6 deep
Feb-16	n/a[2]	27.1	n/a[2]	25.9	n/a[2]	26	n/a[2]	25.7	n/a[2]	25.6	n/a[2]	25.6
Apr-16	n/a[2]	25.9	n/a[2]	25.9	n/a[2]	25.9	n/a[2]	25.7	n/a[2]	25.7	n/a[2]	25.7
Oct-16	n/a[2]	24.4	n/a[2]	n/a[3]	n/a[2]	24.9	n/a[2]	n/a[3]	n/a[2]	n/a[3]	n/a[2]	n/a[3]
Mar-17	n/a[2]	25.8	n/a[2]	25.4	n/a[2]	25.5	n/a[2]	25.6	n/a[2]	25.3	n/a[2]	25.3
Jun-17	n/a[2]	24.1	n/a[2]	24.8	n/a[2]	24.7	n/a[2]	25.5	n/a[2]	25	n/a[2]	25
Sep-17	n/a[2]	25	n/a[2]	24.6	n/a[2]	24.7	n/a[2]	25.4	n/a[2]	24.6	n/a[2]	24.6
Dec-17	n/a[2]	25.9	n/a[2]	25.5	n/a[2]	25.5	n/a[2]	25.4	n/a[2]	25.4	n/a[2]	25.4
Mar-18	n/a[2]	27.9	n/a[2]	26.1	n/a[2]	26.2	n/a[2]	25.7	n/a[2]	25.8	n/a[2]	25.8
Jun-18	n/a[2]	27.4	n/a[2]	25.9	n/a[2]	26.1	n/a[2]	25.9	n/a[2]	25.8	n/a[2]	25.8
Sep-18	n/a[2]	26.4	n/a[2]	25.8	n/a[2]	25.8	n/a[2]	26	n/a[2]	25.8	n/a[2]	25.7
Dec-18	n/a[2]	27.9	n/a[2]	26.3	n/a[2]	26.4	n/a[2]	26.1	n/a[2]	26	n/a[2]	26
Mar-19	n/a[2]	28.4	n/a[2]	26.9	n/a[2]	27.2	n/a[2]	26.3	n/a[2]	26.3	n/a[2]	26.5
Jun-19	n/a[2]	26.7	n/a[2]	27.4	n/a[2]	26.9	n/a[2]	26.4	n/a[2]	26.3	n/a[2]	26.5
Sep-19	n/a[2]	26.2	n/a[2]	26.3	n/a[2]	26.3	n/a[2]	26.4	n/a[2]	26.4	n/a[2]	26.3
Dec-19	n/a[2]	28.6	n/a[2]	26.9	n/a[2]	27.1	n/a[2]	27	n/a[2]	26.6	n/a[2]	26.6
Mar-20	n/a[2]	28	n/a[2]	27.2	n/a[2]	27.5	n/a[2]	27.2	n/a[2]	26.9	n/a[2]	26.9
Jun-20	n/a[2]	26.9	n/a[2]	27	n/a[2]	26.9	n/a[2]	27	n/a[2]	26.8	n/a[2]	26.9
Nov-20	n/a[2]	27.3	n/a[2]	26.9	n/a[2]	26.9	15.4	25.5	n/a[2]	26.8	n/a[2]	26.9
Apr-21	n/a[2]	26.9	n/a[2]	26.9	n/a[2]	26.9	n/a2	25.5	n/a[2]	26.9	n/a[2]	27.1
Sep-21	n/a[2]	25.9	n/a[2]	26.3	n/a[2]	26.1	n/a[2]	26.8	n/a[2]	26.5	n/a[2]	26.6
May-22	n/a[2]	25.3	n/a[2]	26	n/a[2]	25.8	n/a[2]	26.6	n/a[2]	26.1	n/a[2]	26.3
Sep-22	n/a[2]	24.5	n/a[2]	25.5	n/a[2]	25.3	n/a[2]	25.8	n/a[2]	25.8	n/a[2]	26
Mar-23	n/a[2]	24.4	n/a[2]	26	n/a[2]	24.8	n/a[2]	25.6	n/a[2]	25.7	n/a[2]	25.2
Sep-23	n/a[2]	23.3	19.2	22.8	n/a[2]	23.8	n/a[2]	24.6	8.6	24	n/a[2]	23.8
Average	***n/a2***	26.3		26.0	n/a[2]	26.0	n/a[2]	26.0		25.9	n/a[2]	25.9
Maximum	***n/a2***	28.6		27.4	n/a[2]	27.5	n/a[2]	27.2		26.9	n/a[2]	27.1
Minimum	***n/a2***	23.3		22.8	n/a[2]	23.8	n/a[2]	24.6		24	n/a[2]	23.8
Variation Sep-23		3.0		3.2		2.2		1.4		1.9		2.1

1 - metres below the top of the casing (mTOC)
2 - piezometer not monitored due to not being a component of the WMP at the time (historically dry)
3 - not monitored due to lack of access (flooding)

Appendix F Correspondence with Agencies

2023-2024 Annual Review

Narrandera Poultry Production Complex

ProTen Limited

SLR Project No.: 630.V14117.00001

30 July 2024

ProTen Pty Ltd
Ph +61 2 9458 1700
P.O. Box 1746
North Sydney
NSW 2060

24.08.2023

Georgia Dragicevic
A/Team Leader Compliance
Department of Planning and Environment

Dear Georgia

I am writing in response to your RFI request dated 24/8/23:

> I *note that the AEMR for the 2022-23 reporting period did not report non-compliance with the maximum population of 3.92 million broilers at any one time, in accordance with Codition A6.*
> *However I note Table 9, Placement Numbers by Shed at ProTen Narrandera during Reporting Period, indicates that the number of broilers exceded the allowed maximum population of 3.92 million broilers at any one time.*
> *Can you please clarify if you were compliant with the maximum population of 3.92 million broilers at any one time during the 2022-23 reporting year.*

Condition A6 refers to not exceeding 3.92 millian **at any one** time. The site has staged placement of day old birds, starting with Farm 79 followed by Farm 78, Farm 77, Farm 76 and lastly Farm 75. The table below shows placement dates for Batch 2303 as an example of staging.

79	10-01-2023
78	12-01-2023
77	13-01-2023
76	16-01-2023
75	17-01-2023

Each day after placement, the bird-on-hand number reduces for each farm due to the removal of daily mortalities and culls. On the day the final shed on farm 75 is placed, Farm 76,77,78&79 have all reduced in their bird numbers from their original placement number. We therefore take bird-on-hand numbers on Farms 76, 77, 78 & 79 om the day Farm 75 places their last shed. This is the maximum number of birds at any one time for the batch that is present on the site.

Table 10 on page 13 of the Annual Review (below) shows the bird on hand numbers the day Farm 75 placed their last shed for each batch in the reporting year. This is the maximum number of birds at any one time for each batch. Therefore for each batch in the 2022/2023 reporting year, we were compliant with condition A6 of SSD6882.

Table 10 Bird on Hand Numbers by Shed during Reporting Period Bird on Hand Numbers by Shed							
Shed/Batch	**75**	**76**	**77**	**78**	**79**	**Total Birds on hand**	**Variance from Maximum population number (3,920,000)**
2205	780905	773508	787091	779613	784527	3905644	-14356
2206	777420	786950	778598	776884	785541	3905393	-14607
2301	782411	730441	777281	769148	770474	3829755	-90245
2302	774091	784361	782542	766359	764751	3872104	-47896
2303	772351	773536	789664	790450	765708	3891709	-28291
2304	798349	775302	783162	783857	770695	3911365	-8635

Yours sincerely

Kathryn Singh

SHEQ Advisor
Proten Pty Ltd
0434550789
kates@proten.com.au

ProTen Pty Ltd
Ph +61 2 9458 1700
P.O. Box 1746
North Sydney
NSW 2060

12 September 2023

Katrina O'Reilly
Team Leader Compliance
Department of Planning and Environment

Dear Katrina,

Show Cause INV61672206

I am writing in response to your Show Cause letter to Ms Singh dated 29 August 2023, requesting representation with regard to the alleged breach of State significant development consent 6882 (SSD 6882) for the Euroley Poultry Production Complex (Euroley).

It is noted that the Department of Planning and Environment (DPE) alleges that ProTen breached Section 4.2(1)(b) of the *Environmental Planning and Assessment Act 1979* (the Act) Act by failing to comply with Schedule 2, Condition A6 of SSD 6882. The alleged breach relates to information contained within the 2023 Annual Review, specifically:

1. Broilers were placed at each PPU at intervals of less than 36 hrs on 11 occasions during the reporting period.
2. The period of time for the population of the entire farm was less than 10 days on five occasions during the reporting period.

Proten acknowledges the opportunity to make representations as to why the department should not take formal enforcement action in relation to the alleged breach and notes the following:

- The delivery of birds is influenced by factors beyond the control of ProTen.
- Proactive action has been taken by ProTen to rectify the situation with the intention of maintaining animal welfare outcomes within our operation.
- ProTen monitor bird numbers and placements regularly and report exceedances to Baiada.
- Detailed assessments completed for the Modification found that changing bird numbers and placement times is likely to result in no material change at the nearest receivers.

Further description of these representation is provided below.

Supply of birds is based on market demand and hatch rate, neither of these factors are within the control of ProTen. Birds are typically placed on Mondays, Tuesdays, Thursdays and Fridays and sourced from two hatcheries. Baiada places birds as early as 1am in the morning from the Sydney Hatchery but continues to place birds as late as 4pm in the afternoon from the local

Griffith hatchery. Any minor change in transportation times for birds or planned hatch days, can result in a delivery time between farms of less than 36 hours.

The processor (third party) plans to place birds in a specified number of sheds each week to meet anticipated demand. Intervals of less than 36 hours between PPU's only occur when the previous PPU commences placement on a Monday or a Thursday because the farm finishes placing in the early hours of day 2, between 24-30 hours minimum. This pattern is illustrated by the similarity in delivery patterns in the 2021-22 and 2022-23 reporting periods.

ProTen did not receive any direct financial benefit as a result of this breach. ProTen receive a set fee from Baiada based on the square metres of shed space we provide in two parts: a monthly rental per area and a payment for each batch that is grown. The number of batches placed per annum is determined by the processor and reflects the maximum age of birds they wish to grow, the time they allow between successive batches, the total number of birds required and the available shed capacity in the region.

Compliance monitoring is undertaken regularly: Checks are performed at the end of each placement cycle at Euroley by the Environment Manager, or delegate. This routine monitoring highlighted the exceedances, and this was reported to senior operations management and Baiada. ProTen has attempted and not been successful at influencing placement patterns. Following engagement, Baiada advised that flexibility in bird numbers and placements is to be retained by the processor.

Placement Impact Assessment: Potential adverse impacts on the farm (particularly dust and odour) are more likely to occur when peak biomass (total kg of liveweight) occurs and is not dependant on numbers of young birds. Peak permitted biomass (liveweight) at Euroley is 8,704 tonnes at 40kg/m2 density (40kg x 217,600 m2). ProTen operate at a maximum of 7,395 tonnes of biomass (34kg/m2). Odour and dust modelling for the original consent assumed a peak liveweight density of 40kg/m2. In accordance with RSPCA guidelines, ProTen does not exceed 34kg/m2.

On this operating basis, ProTen we can show the environmental impacts from biomass to be 15% or 1,309 tonnes less than the consent conditions assume. When the total average age of birds is around 5 days, with an average liveweight of around 150 grams this represents a total biomass of 603 tonnes. Further to this, modelling undertaken under our current modification application shows that a greater number of birds (4.46m rather than 3.92m), placed on a single day would not lead to any exceedances at the nearest sensitive receivers.

SSD 6882 Modification: The modification application seeks a greater degree of flexibility to accommodate placement and commencement regimes, which may have shorter turnaround periods than allowed by the current conditions. This report and supporting documentation demonstrate that the modified development would comply with the relevant statutory planning instruments and would not result in unacceptable adverse environmental impacts on the receiving environment, whilst still achieving animal welfare standards.

In conclusion, ProTen's actions illustrate commitment to animal welfare and proactively seeking to address bird numbers and placement times that are controlled by third parties.

We trust that this response adequately explains the circumstances around the exceedances and provides you with the information you have requested. Please contact me directly for any further information you require. As we have indicated, we have lodged a Modification request

for our operations at Euroley which will provide us with greater flexibility without increasing our environmental impacts.

We trust that this response justifies and supports the actions we have taken to date, and the remedy proposed.

Yours sincerely

Bill Williams
CEO ProTen Ltd

0447062339
bwilliams@proten.com.au

Our ref: ENF-62533207

Proper Officer

ProTen Pty Limited

Suite 1103, Level 11

99 Mount Street

NORTH SYDNEY, NSW, 2060

22 September 2023

Attention: Ms Kathryn Singh, SHEQ Advisor

Email: kates@proten.com.au

OFFICIAL CAUTION

BREACH OF SECTION 4.2(1)(b) OF THE

ENVIRONMENTAL PLANNING AND ASSESSMENT ACT 1979

Following an investigation, I, Georgia Dragicevic, an authorised person for the purposes of the *Environmental Planning and Assessment Act* 1979 (the Act), have formed the opinion that ProTen Pty Limited (ProTen) has committed an offence against Section 4.2(1)(b) of the Act by carrying out development not in accordance with the conditions of development consent. Further details of the alleged breach are set out below.

PARTICULARS OF BREACH

ProTen has breached Section 4.2(1)(b) of the Act by failing to comply with Schedule 2, Condition A6 of State significant development consent SSD 6882 (the Consent) for the Euroley Poultry Production Complex (the development).

Schedule 2, Condition A6 states:

"The Applicant shall ensure that:

a. *The Development does not exceed a maximum population of 3.92 million broilers at any one time;*
b. *The stocking densities of the Development comply at all times with the standards detailed in National Animal Wellfare Standards for the Chicken Meat Industry (Barnett et al, 2008), as amended;*
c. *The Development is not populated with 3.92 million broilers in one day at the commencement of each production cycle;*
d. *The commencement of broiler population for each PPU is separated by a minimum of 36 hours; and*
e. *The time period for the population of the entire farm (all five PPUs) shall be a minimum of 10 days."*

The Annual Review for the reporting period from 22 April 2022 to 21 April 2023, submitted for the Planning Secretary's consideration, in accordance with Schedule 4, Condition C8 of the Consent, Sections 1, 4.4 and 10.3 state that:

- broilers were placed at each PPU at intervals of less than 36 hrs on 11 occasions during the reporting period; and
- the period of time for the population of the entire farm was less than 10 days on five occasions during the reporting period.

Accordingly, it has been determined that ProTen failed to comply with Schedule 2, Condition A6 d) and e) by:

- commencing of broiler population for each PPU within less than a required minimum separation of 36 hours, on 11 occasions, during the reporting period from 22 April 2022 to 21 April 2023; and
- not meeting the minimum time period of 10 days for the population of the entire farm (all five PPUs) on five occasions, during the reporting period from 22 April 2022 to 21 April 2023,

in contravention of Section 4.2(1)(b) of the Act.

OFFICIAL CAUTION

The breach has been assessed in accordance with the NSW Planning's *Compliance Policy* and the Attorney General's *Caution Guidelines* and it has been determined to issue ProTen with an Official Caution for the breach. In reaching this decision, I have considered the particulars of the breach set out above and the following matters:

- no known community complaints were received directly in relation to the breach;
- no known impacts to the environment or human health occurred directly as a result of the breach;
- ProTen received no monetary benefit as a result of the breach; and
- ProTen applied for a modification of placement limits, specified in Schedule 2, Condition A6.

An Official Caution is a formal enforcement action issued under Section 19A of the *Fines Act 1996* where it appears to an authorised person that a person has committed a penalty notice offence and that it is appropriate to issue an official caution in the circumstances. Section 4.2(1)(b) of the Act is a penalty notice offence.

The issuing of an Official Caution does not preclude the NSW Planning from taking further enforcement action in relation to the breach, if it becomes apparent that an alternative response is more appropriate.

Please note NSW Planning will retain a copy of this Official Caution on file. If you commit an offence in the future, NSW Planning will consider this Official Caution when determining the most appropriate enforcement action. Any further breaches of this nature may attract stronger compliance action in accordance with the NSW Planning's Compliance Policy.

It is your responsibility to comply with all parts of Schedule 2, Condition A6, until such time as the consent condition is modified.

Lastly, please review, and if necessary, revise, the strategies, plans, and programs required under the consent, and submit for Planning Secretary's approval, in accordance with Schedule 4, Condition C7 of the consent.

Should you need to discuss the above, please contact me on 4247 1852 or by email to Georgia.Dragicevic@planning.nsw.gov.au.

Yours sincerely

Authorised person under the Environmental Planning and Assessment Act 1979

Dartnell BuildingCertifiers
ABN:87 630 224 690

56 Benerembah Street,
Griffith NSW 2680
(p): 02 6964 3039
dbcertifiers@bigpond.com

CONSTRUCTION CERTIFICATE

Issued under Part 6 the Environmental Planning and Assessment Act 1979

APPLICANT DETAILS

Applicant:	ProTen Holdings Pty Ltd
Address:	
Phone:	

OWNER DETAILS

Owner:	ProTen Holdings Pty Ltd

RELEVANT DEVELOPMENT CONSENTS

Consent Authority / Local Government Area:	Narrandera Shire Council
Development Consent Number:	DA-023-2023-2024
Development Consent Date:	20/12/2023
NSW Planning Portal Ref Number:	
Construction Certificate Number:	CC20/24
Date of Issue of Construction Certificate:	07/02/2024

PROPOSAL

Address of Development:	Devlins Bridge Road, Euroley NSW 2700
Lot/ DP:	2//1221813
BCA Classification:	1a, 10a
Description of Building Works:	Dwelling with attached garage.
Value of Construction Certificate (incl. GST)	$496,934.00
Attachments:	Schedule 1: Approved Plans and Specifications and Supporting Documentation Relied Upon
Critical Stage Inspections:	See attached Notice

REGISTERED CERTIFIER

Registered Certifier:	Ben Dartnell
Registration No:	BDC1066
Registration Body:	NSW Fair Trading

I certify that building work completed in accordance with the documents accompanying the application for the certificate, including modifications verified by the certifier shown on the documents, will comply with the requirements referred to in the Act, Part 6.

Dated: 07/02/2024

Ben Dartnell

(note - this information has been taken directly from, and as accepted by, the NSW Government Planning Portal CC application)

Dartnell BuildingCertifiers
ABN:87 630 224 690

56 Benerembah Street,
Griffith NSW 2680
(p): 02 6964 3039
dbcertifiers@bigpond.com

SCHEDULE 1: APPROVED PLANS AND SPECIFICATIONS/ SUPPORTING DOCUMENTATION RELIED UPON

1. Endorsed Architectural Plans

Prepared by	Document	Drawing number	Revision	Date
Davis Sanders Homes	Architecturals for Project P2749	1 to 12	P07_W06_C01-V01	29/11/2023

2. Structural Plans
Not applicable.

3.Engineering Plans

Prepared by	Document	Drawing number	Revision	Date
Engineering Vision Structural & Civil Engineers	Engineering for Project no S242441	1 to 11	A	06/02/2024

4. Landscape Plans
Not applicable.

5. Other Documentation Relied Upon
Not applicable.

Narrandera SHIRE COUNCIL

NOTICE OF DETERMINATION OF A DEVELOPMENT APPLICATION

Application number	DA-023-2023-2024 PAN-398660
Applicant	Clearsky Environmental PO Box 8058 GRIFFITH EAST NSW 2680
Description of development	Rural Workers Dwelling
Property	Devlins Bridge Road EUROLEY NSW 2700 Lot: 2 Sec: - DP: 1221813
Determination	Approved Narrandera Shire Council 141 East Street NARRANDERA NSW 2700
Date of determination	20 DECEMBER 2023
Date from which the consent operates	20 DECEMBER 2023
Date on which the consent lapses	19 DECEMBER 2028

Under section 4.18(1) of the EP&A Act, notice is given that the above development application has been determined by the granting of consent using the power in section 4.16(1)(a) of the EP&A Act, subject to the conditions specified in this notice.

Reasons for approval

- the proposed development is permissible within the zone under NLEP 2013 and is consistent with the aims, objectives and special provisions of that environmental planning instrument
- the proposed development is unlikely to have any unreasonable impact on the environment, and where an adverse impact has been identified appropriate conditions have been imposed to mitigate the effects
- the subject site is suitable for the proposed development
- the proposed development does not raise any matter contrary to the public interest

Right of appeal / request a review of the determination

If you are dissatisfied with this determination:

Request a review

You may request a review of the consent authority's decision under section 8.3(1) of the EP&A Act. The application must be made to the consent authority within 6 months from the date that you received the original determination notice provided that an appeal under section 8.7 of the EP&A Act has not been disposed of by the Court.

Rights to appeal

You have a right under section 8.7 of the EP&A Act to appeal to the Court within 6 months after the date on which the determination appealed against is notified or registered on the NSW planning portal.

The Dictionary at the end of this consent defines words and expressions for the purposes of this determination.

Shane Wilson
Deputy General Manager Infrastructure

Person on behalf of the consent authority

For further information, please contact Narrandera Shire Council, 141 East Street, Narrandera NSW 2700 or phone 02 6959 5510.

Terms and Reasons for Conditions

Under section 88(1)(c) of the EP&A Regulation, the consent authority must provide the terms of all conditions and reasons for imposing the conditions other than the conditions prescribed under section 4.17(11) of the EP&A Act. The terms of the conditions and reasons are set out below.

SCHEDULE 1
CONDITIONS OF CONSENT DA-023-2023-2024

<table>
<tr><th>Cond #</th><th>Details</th><th>Met</th></tr>
<tr><td colspan="3">GENERAL</td></tr>
<tr><td>1.</td><td>Approved Plans and Documentation
The development shall be undertaken in accordance with the stamped approved plans detailed as follows, the application form, Statement of Environmental Effects and other approved documentation except where modified in red or by any of the following conditions:

<table>
<tr><th>Ref No</th><th>Drawing/Document Title</th><th>Prepared by</th><th>Version</th><th>Date</th></tr>
<tr><td>P2749</td><td>Proposed residence for Proten Holdings Pty Ltd - 12 pages</td><td>Davis Sanders Homes</td><td>-</td><td>29/11/2023</td></tr>
</table>
Note 1: Modifications to the approved plans and/or documents will require the lodgement and consideration by Council of a modification pursuant to section 4.55 of the Environmental Planning and Assessment Act, as amended.

REASON: To enable the construction of the buildings to be in accordance with the development approval. (Section 4.15 of the Environmental Planning and Assessment Act, 1979, as amended).</td><td></td></tr>
<tr><td>2.</td><td>Lapsing of Consent
This Consent is valid for a period of five years from the date of consent. It will lapse if the approved use of any land or construction work has not commenced prior to that date. No further extensions will be granted.

REASON: To comply with Section 4.53(1) of the Environmental Planning and Assessment Act, 1979, as amended.</td><td></td></tr>
<tr><td>3.</td><td>Compliance with Building Code of Australia
All aspects of the building design are to comply with the applicable performance requirements of the National Construction Code so as to achieve and maintain acceptable standards of structural sufficiency, safety (including fire safety), health and amenity for the on-going benefit of the community. Compliance with the performance requirements can only be achieved by:
a. Complying with the deemed to satisfy provisions, or
b. Formulating an alternative solution which:
i. Complies with the performance requirements, or
ii. Is shown to be at least equivalent to the deemed to satisfy provision, or
c. A combination of a. and b.

REASON: Statutory requirement of Clause 145 of the Environmental Planning and Assessment Regulation 2000.</td><td></td></tr>
</table>

4.	**Construction Certificate** A Construction Certificate is to be obtained prior to any building works being commenced. **REASON**: Statutory requirement for certification to be obtained prior to works commencing.	
5.	**Amenity - General** The development is to be conducted in a manner that will not interfere with the amenity of the locality by Reason of the emission of noise, vibration, smell, fumes, smoke, vapour, steam, soot, ash, dust, wastewater, waste products, grit, oil, by causing interference to television or radio reception or otherwise. **REASON**: So that the development does not reduce the amenity of the area. Section 4.15 of the Environmental Planning and Assessment Act, 1979, as amended.	
6.	**Amplification of Services** Any amplification, extension or relocation of any service is the responsibility of the applicant at their own expense. The work is to be in accordance with Council's standards and any other service provider. **REASON**: It is in the public interest that all costs associated with upgrading Public Infrastructure as a result of the development are borne by the applicant.	
7.	**Aboriginal Heritage** Should any Aboriginal relics be encountered during any works for this development, then all excavation or disturbance to the area is to cease immediately and the Office of Environment and Heritage is to be informed in accordance with Section 91 of the National Parks and Wildlife Act, 1974. **REASON**: OEH requirement under the National Parks and Wildlife Act 1974 and Threatened Species Conservation Act 1995.	
8.	**Work Near Power Lines** All works near power lines are to be undertaken in accordance with the requirements of Essential Energy, SafeWork NSW and the Code of Practice – Work near Overhead Power Lines (Workcover 2006). **REASON:** To ensure no person, plant or thing comes within an unsafe distance of any overhead or underground electric line.	
PRIOR TO THE ISSUE OF A CONSTRUCTION CERTIFICATE		
9.	**Activity On-Site** No activity is to be carried out on site until the Construction Certificate has been issued, other than: a. Site investigation for the preparation of the construction, and/or b. Implementation of environmental protection measures, such as erosion control, etc that are required by this consent. **REASON**: To ensure the construction certificate is issued prior to the commencements of works.	
PRIOR TO THE COMMENCEMENT OF WORKS		
10.	**Activity On-Site** No activity is to be carried out on site until the Section 68 approval under the Local Government Act 1993 has been issued, other than: a. Site investigation for the preparation of the construction, and/or	

	b. Implementation of environmental protection measures, such as erosion control, or the like that is required by this consent. **REASON**: To ensure the appropriate approvals have been issued under the Local Government Act 1993.	
11.	**Notification of Principal Certifying Authority** The Construction Certificate for the building work is to be issued and the person having the benefit of the development consent shall appoint a Principal Certifying Authority prior to the commencement of any building works. The Principal Certifying Authority (if not the Council) is to notify Council of their appointment and notify the person having the benefit of the development consent of any critical stage inspections and other inspections that are to be carried out in respect of the building work no later than two (2) days before the building work commences. **REASON**: Compliance with section 6.6 of the Environmental Planning & Assessment Act 1979, as amended.	
12.	**Residential Building Work** Residential building work within the meaning of the Home Building Act 1989 shall not be carried out unless the Principal Certifying Authority for the development to which the work relates (not being the Council) has given the Council written notice of the following information: a. in the case of work for which a Principal Contractor is required to be appointed: i. the name and licence number of the Principal Contractor, and ii. the name of the insurer by which the work is insured under Part 6 of that Act a. in the case of work to be done by an owner-builder: i. the name of the owner-builder, and ii. if the owner-builder is required to hold an owner-builder permit under that Act, the number of the owner-builder permit If arrangements for doing the residential building work are changed while the work is in progress so that the information notified above becomes out of date, further work shall not be carried out unless the Principal Certifying Authority for the development to which the work relates (not being the Council) has given the Council written notice of the updated information. **REASON**: Compliance with prescribed conditions made under Environmental Planning & Assessment Regulation 2021.	
13.	**Erection of Signs for Development** Appropriate signs are to be erected in accordance with Section 70 Environmental Planning & Assessment Regulation 2021 as follows. A sign must be erected in a prominent position on any site on which building work is being carried out: a. Showing the name, address and telephone number of the Principal Certifying Authority for the work, and b. Showing the name of the principal contractor (if any) for the building work and a telephone number on which that person may be contacted outside working hours, and c. Stating that unauthorised entry to the work site is prohibited. Any such sign is to be maintained while the construction work is being carried out, but must be removed when the work has been completed. **REASON**: This is a prescribed condition of consent under the Environmental Planning and Assessment Regulation 2021, as amended.	

14.	**DA Record to be Kept On-Site** The builder shall at all times maintain on the job a legible copy of the plan and specifications approved with the Construction Certificate endorsement of the certifying authority. **REASON:** To ensure all contractors have access to an approved plan.	
15.	**Public Access to Site** Public access to the site is to be prevented when construction work is not in progress or the site is unoccupied. **REASON**: To ensure that the construction and excavation works and all associated work practices are undertaken in a safe manner complying with the requirements of SafeWork NSW.	
16.	**Temporary Closet** Temporary closet accommodation being provided throughout the course of building operations by means of a chemical closet complying with the requirements of the Department of Environment and Climate Change or temporary connections to Council's sewer where available, such connections to be carried out by a licensed plumber and drainer. **REASON**: To ensure all workers on site have access to toilet facilities.	
DURING WORKS		
17.	**Excavations and Backfilling** All excavation and backfilling associated with the erection/demolition of the building must: a. be executed safely and in accordance with appropriate professional standards, and b. be properly guarded and protected to prevent them from being dangerous to life or property. **REASON**: Section 4.17 of the Environmental Planning and Assessment Act 1979, as amended.	
18.	**Hours of Operation** Building work involving the use of electric or pneumatic tools or other noisy operations shall be carried out • only between 7:00am and 6:00pm Monday to Friday • only between 8:00am and 1:00pm on Saturdays • with no work to be undertaken on Sundays and public holidays **REASON:** To protect the amenity of the area.	
19.	**Rubbish and Debris** All building rubbish and debris, including that which can be wind-blown, shall be contained on site at all times prior to disposal at Council's Waste Management Centre. **NOTE**: No building rubbish or debris shall be placed or be permitted to be placed on any adjoining public reserve, footway or road. **REASON**: To ensure that the building site and adjoining public places are maintained in a clean and tidy condition so as not to interfere with the amenity of the area. Section 4.15 of the Environmental Planning and Assessment Act 1979, as amended.	

20.	**Erosion and Sediment Control** Erosion and sediment control measures shall be undertaken and maintained in respect to any part of the land where the natural surface is disturbed or earthworks are carried out. Materials from the site are not to be tracked into the road by vehicles entering or leaving the site. At the end of each working day any dust, dirt or other sediment shall be swept off the road, contained on the site and not washed down any stormwater pit or gutter. **REASON**: To ensure that construction and excavation works do not negatively impact on the local road infrastructure.	
21.	**Stormwater** All stormwater from roofing shall be managed in accordance with the BASIX commitments and maintained wholly within the bounds of the allotment. **REASON**: To ensure appropriate disposal of stormwater. Section 4.15 of the Environmental Planning and Assessment Act, 1979, as amended.	
PRIOR TO THE ISSUE OF AN OCCUPATION CERTIFICATE		
22.	**BASIX Commitments** The requirements of the BASIX certificate issued for this development and shown on the approved plans shall be complied with prior to the issue of an occupation certificate. Where a change or changes are proposed in the BASIX commitments, the applicant must submit a new BASIX Certificate to the Accredited Certifier or Council. If any proposed change in the BASIX commitments is inconsistent with the development consent the applicant will be required to submit a modification to the development consent to Council under section 4.55 of the Environmental Planning and Assessment Act 1979. **REASON**: Compliance with prescribed conditions made under Environmental Planning & Assessment Regulation 2021.	
23.	**Plumbing and Drainage Documents** Council requires a "Certificate of Compliance", "Works as Executed Diagram" and "Notice of Works" to be submitted and approved by Council **prior to issue of an Occupation Certificate**. The Works as Executed Diagram must be submitted in accordance with NSW Fair Trading requirements. **REASON**: To ensure compliance with the relevant provisions of the Plumbing and Drainage Act 2011 and Regulations.	
24.	**Addressing Signage** The applicant is to supply and install an individual addressing number plate to service each lot prior to the application of an occupation. a. Individual addressing number plates shall be purchased from Council to maintain uniformity and the integrity of Council's addressing system across the Shire. The cost of individual addressing numbered plates shall be the responsibility of the applicant by the issue of a sundry debtor account upon order of the plates. b. The applicant is to ensure that the individual addressing numbered plates are prominently displayed to the left of the main access point to each allotment with the numerals facing towards the roadway. **REASON**: To assist emergency services and other service providers.	

25.	**Occupation Certificate Application** Once all conditions have been met, application for an Occupation Certificate shall be submitted to and approved by the Principal Certifying Authority **prior to occupation of the building**. **REASON:** Compliance with section 6.9 of the Environmental Planning & Assessment Act 1979, as amended.	
26.	**Occupation** The use or occupation of the subject premises shall not commence until the Principal Certifying Authority has issued an Occupation Certificate. **REASON:** Statutory requirement to ensure the building is fit for occupation.	
27.	**Vehicular Access** Prior to the occupation of the dwelling, a safe all-weather access is to be provided between the property boundary and the existing road carriageway. The property owner remains responsible for the upkeep and maintenance of the access ways and associated facilities up to the edge of Council's road shoulder. **REASON**: To provide for a suitable vehicular access to each property in accordance with Council's minimum standards.	
ONGOING		
28.	**Restrictions and Covenants** It is the responsibility of the applicant/owner to check and comply with any and all restrictions that may be applied to the land by way of a Section 88b Instrument under the Conveyancing Act 1919.	
29.	**Development Use - Dwelling** a. No part of the development shall be used for commercial or industrial purposes or as a home industry or a home occupation without further development consent of Council (unless permitted without consent). **REASON**: To prevent the unauthorised use of a building for a use that may not be permissible or is permissible with conditions.	
ADVISORY AND ANCILLARY MATTERS		
30.	**Compliance** It is the responsibility of the applicant to check, understand and seek assistance where needed so as to ensure full compliance with the conditions of this Development Consent. Please contact the Narrandera Shire Council on 02 6959 5510 if there is any difficulty in understanding or complying with any of the above conditions.	
31.	**Process for Modification** The plans and/or conditions of the consent are binding and may only be modified upon written request to Council under section 4.55 of the Environmental Planning and Assessment Act, 1979 (as amended). a. The request shall be accompanied by the appropriate fee and application form. b. Action, works, contractual negotiations or the like shall not commence on the requested modification unless and until the written authorisation of Council is received by way of an amended consent.	

General advisory notes

This consent contains the conditions imposed by the consent authority which are to be complied with when carrying out the approved development. However, this consent is not an exhaustive list of all obligations which may relate to the carrying out of the development under the EP&A Act, EP&A Regulation and other legislation. Some of these additional obligations are set out in the *Conditions of development consent: advisory notes (attached*). The consent should be read together with the *Conditions of development consent: advisory notes* to ensure the development is carried out lawfully.

The approved development must be carried out in accordance with the conditions of this consent. It is an offence under the EP&A Act to carry out development that is not in accordance with this consent.

Building work or subdivision work must not be carried out until a construction certificate or subdivision works certificate, respectively, has been issued and a principal certifier has been appointed.

A document referred to in this consent is taken to be a reference to the version of that document which applies at the date the consent is issued, unless otherwise stated in the conditions of this consent.

Dictionary

The following terms have the following meanings for the purpose of this determination (except where the context clearly indicates otherwise):

Approved plans and documents means the plans and documents endorsed by the consent authority, a copy of which is included in this notice of determination.

AS means Australian Standard published by Standards Australia International Limited and means the current standard which applies at the time the consent is issued.

Building work means any physical activity involved in the erection of a building.

Certifier means a council or a person that is registered to carry out certification work under the *Building and Development Certifiers Act 2018*.

Construction certificate means a certificate to the effect that building work completed in accordance with specified plans and specifications or standards will comply with the requirements of the EP&A Regulation and *Environmental Planning and Assessment (Development Certification and Fire Safety) Regulation 2021*.

Council means Narrandera Shire Council

Court means the Land and Environment Court of NSW.

EPA means the NSW Environment Protection Authority.

EP&A Act means the *Environmental Planning and Assessment Act 1979.*

EP&A Regulation means the *Environmental Planning and Assessment Regulation 2021.*

Independent Planning Commission means Independent Planning Commission of New South Wales constituted by section 2.7 of the EP&A Act.

Local planning panel means Western Region Planning Panel.

Occupation certificate means a certificate that authorises the occupation and use of a new building or a change of building use for an existing building in accordance with this consent.

Principal certifier means the certifier appointed as the principal certifier for building work or subdivision work under section 6.6(1) or 6.12(1) of the EP&A Act respectively.

Site work means any work that is physically carried out on the land to which the development the subject of this development consent is to be carried out, including but not limited to building work, subdivision work, demolition work, clearing of vegetation or remediation work.

Stormwater drainage system means all works and facilities relating to:
the collection of stormwater,

the reuse of stormwater,

the detention of stormwater,

the controlled release of stormwater, and

connections to easements and public stormwater systems.

Strata certificate means a certificate in the approved form issued under Part 4 of the *Strata Schemes Development Act 2015* that authorises the registration of a strata plan, strata plan of subdivision or notice of conversion.

Subdivision certificate means a certificate that authorises the registration of a plan of subdivision under Part 23 of the *Conveyancing Act 1919*.

Subdivision works certificate means a certificate to the effect that subdivision work completed in accordance with specified plans and specifications will comply with the requirements of the EP&A Regulation.

Sydney district or regional planning panel means Western Region Planning Panel.

Condition of consent: advisory notes

In addition to the conditions of the development consent, the following advisory notes may be relevant for a person involved in carrying out the development approved under the consent and should be read in conjunction with the Notice of Determination.

The advisory notes do not form part of the development consent. However, they provide information on how the obligation to lawfully carry out the approved development can be met.

General Advice – Consent

Complying with conditions of the Development Consent

Your development consent contains the conditions of consent that must be met to lawfully complete your development. If a condition requires further reports, payment of scheduled fees or an inspection, the condition is to be met at your expense unless otherwise specified in the condition.

Read all of the conditions of consent carefully before you start work and note which conditions must be met at each stage of the development. Liaise regularly with your builder and principal certifier to ensure all conditions are satisfied. If you have any questions regarding a condition, you can contact council's duty planner or an industry professional with relevant expertise for clarification.

Complying with the conditions of your consent will help avoid delays, or worse – a costly fine from council.

Application of prescribed conditions

In addition to the conditions of this consent, prescribed conditions may also apply. If prescribed conditions within Division 2 Part 4 of the *Environmental Planning and Assessment Regulation 2021* (EP&A Regulation) related to your development and were in force at the time your application was lodged, these conditions must be met whether or not they were specified within this consent.

Bonds and Security Deposits

For some development, a bond or security deposit may be applied to ensure public infrastructure like roads and footpaths are not left damaged as a result of your development. Conditions for bonds and security deposits can vary so be sure that you understand the obligations to avoid forfeiting part or all of the amount paid.

Contact your local Council for more information about bonds and security deposits.

Contributions

If your development requires a contribution; for example works in kind or a monetary contribution towards shared public infrastructure such as parks or drainage infrastructure; the requirement will be conditioned within the development consent, and may be subject to consumer price index (CPI) increase.

Further information about local contributions can be found on the Department of Planning, and Environment's website.

https://www.planning.nsw.gov.au/local-infrastructure-contributions-policy

Long Service Levy

The New South Wales Parliament has imposed a levy on building and construction work costing $25,000 and above (inclusive of GST). The levy is paid into a fund administered by the Long Service Corporation, and from this fund, the Corporation makes long service payments to building and construction workers.

The Levy is payable for building and construction projects costing $25,000 and above (inclusive of GST) and is payable to Council, or directly to the Long Service Corporation. Evidence of payment of the levy is required to obtain a Construction Certificate.

The Long Service Corporation website has further information about the long service levy, including how to calculate your contribution on the approved development.

https://www.longservice.nsw.gov.au/bci/levy/about-the-levy/long-service-levy#:~:text=The%20New%20South%20Wales%20Parliament,GST)%20in%20New%20South%20Wales.&text=The%20current%20levy%20rate%20is,more%20(inclusive%20of%20GST

Offences and Penalties

Only the approved development of this consent may be carried out on your land in accordance with the approved plans. Other development on the land to which the development consent does not apply must be carried out according to law.

A person carrying out unauthorised work may be charged with a criminal offence under the EP&A Act 1979 and if convicted, a monetary penalty may be applied.

Retirement of biodiversity credits

If your consent conditioned the requirement to retire biodiversity credits, this may be satisfied by payment to the Biodiversity Conservation Fund of an amount equivalent to the class and number of ecosystem credits or number of species credits, as calculated by the Biodiversity Assessment Method (BAM) Credit Calculator .The BAM Credit Calculator can be found here https://www.lmbc.nsw.gov.au/offsetpaycalc

https://www.environment.nsw.gov.au/topics/animals-and-plants/biodiversity-offsets-scheme/offset-obligations-and-credit-trading/offsets-payment-calculator

General Advice – Construction

Construction Certificate

A Construction Certificate may be required before building work approved under the development consent can lawfully start.

A Construction Certificate confirms your detailed plans comply with the Building Code of Australia and are consistent with the approved plans, documents and conditions of consent in accordance with EP&A Regulation.

Having a Construction Certificate means you can commence building work on the site in accordance with the approved plans. Private accredited certifiers and local councils can issue Construction Certificates.

Any works undertaken without a Construction Certificate will be unauthorised and you will not be able to obtain an Occupation Certificate for those works at the completion of building work.

Further advice about Construction Certificates is available on the Department of Planning and Environment's website.

https://www.planning.nsw.gov.au/Assess-and-Regulate/Development-Assessment/Your-guide-to-the-DA-process/Development-assessment-and-construction-approval-processes/Stage-5-Get-your-Construction-Certificate-and-organise-construction

Subdivision Works Certificate

Your development consent may require you to obtain a Subdivision Works Certificate before you can start works relating to subdivision. A Subdivision Works Certificate operates in the same manner as a construction certificate, but for subdivision works.

Private accredited certifiers and local councils can issue Subdivision Works Certificates. The issuing of a Subdivision Works Certificate does not negate the need for a Construction Certificate for other building works associated with the approved development.

Further information about Subdivision Works Certificates is available on the Department of Planning and Environment's website.

https://www.planning.nsw.gov.au/-/media/Files/DPE/Factsheets-and-faqs/faqs-EPandA-Part-6-subdivision-works-certificates-2019-08-30.pdf?la=en

Appointing a Principal Certifier

A Principal Certifier (PC) (previously known as a principal certifying authority or PCA) is the only person/ body who can issue partial or final occupation certificates.

A PC must be appointed by the landowner before work commences. A builder cannot appoint the PC unless they are also the landowner.

A PC can be either an accredited private or Council certifier. The PC will inspect work during construction to ensure the works completed are consistent with the approved plans and comply with required building standards. However, it remains your responsibility to ensure all conditions of development consent are met.

If the appointed PC changes for any reason, all building works must stop until another PC has been appointed, and Council has been notified 2 days in advance in writing.

If the development consent allows for two different types of development that each require a separate PC, each PC is only engaged for one development type.

Further advice on finding and appointing a PC can be found on the NSW Fair Trading Website.

https://www.fairtrading.nsw.gov.au/housing-and-property/building-and-renovating/preparing-to-build-and-renovate/finding-and-appointing-a-certifier

Utilities and authorities

It is your responsibility to find out if the land associated with the approved development is affected by utility assets above and below ground before you start approved work. Damage to these utilities can be avoided through a 'Dial Before You Dig' enquiry on 1100 or https://www.1100.com.au/

You may be required to liaise with relevant authorities and utility providers for some works depending on the circumstances of your development consent. This may include -

- Energy authorities, providers and operators
- Water authorities
- Telecommunications providers and operators
- Australia post
- Transportation authorities and operators
- Other state and Federal government departments

Please allow for the necessary approvals and charges imposed by the above authorities that may be associated with potential impacts of your development on infrastructure owned by a utility provider. For example, a utility authority may have specific safety requirements, or only allow authorised representatives to complete the work in the vicinity of underground infrastructure such as gas, water or power.

Fire safety

Ensuring your development is safe from risk of fire is important. Fire safety provisions are considered during the initial development application and further details are assessed before the issue of the construction certificate.

A Fire Safety Certificate may be required prior to obtaining an occupation certificate. If fire safety measures beyond those approved under the development consent are required prior to obtaining a Fire Safety Certificate under the EP&A Regulation, you must ensure these are met through a modification to the initial application.

Further information relating to building fire safe developments can be found on the Fire and Rescue NSW website

https://www.fire.nsw.gov.au/page.php?id=9140

Further information about Fire Safety can also be found in the Environmental Planning and Assessment (Development Certification and Fire Safety) Regulation 2021

https://legislation.nsw.gov.au/view/whole/html/inforce/current/sl-2021-0689

Contaminated land and materials

The potential for workers to be exposed to contaminants during construction works should be minimised through the development and implementation of a construction WH&S management plan including induction procedures.

Asbestos contamination is widespread in urban areas in NSW, and you should be aware of the dangers associated with handling asbestos material that may unknowingly be present on the site.

If asbestos is found during work, ensure the removal, transportation and disposal, regardless of quantity, is carried out in a safe and professional manner. Further information and regulation around handling asbestos can be found here

- *Work Health and Safety Act 2011*
- *Work Health and Safety Regulation 2017*
- Safe Work Australia Code of Practice - How to Manage and Control Asbestos in the Workplace
- Safe Work Australia Code of Practice - How to Safely Remove Asbestos
- *Protection of the Environment Operations Act 1997*; and
- *Protection of the Environment Operations (Waste) Regulation 2014*

If contamination is unexpectedly found during works, all work should cease and the consent authority and the Environmental Protection Authority (EPA) should be notified as soon as possible and consider if a Remediation Action Plan (RAP), or amendment to an approved RAP, is required.

If contamination occurs as result of works, the local council or the EPA have the authority to issue clean up notices, and in some cases fines, so please ensure the RAP or waste management plan are followed appropriately.

Virgin Excavated Natural Material – EPA advice, and applying for waste recovery exemption

Virgin Excavated Natural Material (VENM) is undisturbed, uncontaminated, and chemically stable soil. If your development required additional soil material, you may be required to provide evidence the soils is classed as VENM.

Information about soil classification can be found on the EPA website

https://www.epa.nsw.gov.au/your-environment/waste/classifying-waste/virgin-excavated-natural-material

In addition to the above, you may want to use alternative fill material to VENM. You can apply for an exemption under the waste recovery framework to use a select list of materials as a substitute for VENM.

Further information about waste recovery exemptions can be found on the EPA website

https://www.epa.nsw.gov.au/your-environment/recycling-and-reuse/resource-recovery-framework

Tree Preservation

Your development consent may require you to protect existing trees on or around the site from the impacts of the approved development. All trees should be protected unless otherwise noted within the consent, this includes trees located on adjoining land.

The development consent may allow for the protection of trees that are located on adjoining Council land. Please ensure you seek the permission of the landowner to access private lands if needed.

Please refer to local council policy for advice on appropriate measures for preserving trees not covered by this consent, including overhanging branches and underground roots that may be impacted by the approved development.

General Advice – Occupation

Occupation Certificate

An Occupation Certificate may be required before the development can be lawfully occupied or used as intended. This includes both habitable and non-habitable developments.

An Occupation Certificate confirms the development has been completed. Having an occupation certificate means you will be able to commence using the development for the occupation or as

otherwise intended. You may not use the development as intended without an Occupation Certificate if one is required.

Further advice about Occupation Certificates is available on the Department of Planning and Environment's website.

https://pp.planningportal.nsw.gov.au/post-consent-certificates/occupation-certificate

Licenses to operate/ Change of use

You may decide to change the use of the completed development in the future. This may require a separate development application for the proposed change of use. Some changes of use may be approved as complying development. Some uses may also require additional inspections, licenses or approvals before the new use can start such as medical facilities, food and beverage providers or liquor and gambling outlets.

Useful contacts for further information

BASIX Information

1300 650 908 weekdays 2:00pm - 5:00pm or info@service.nsw.gov.au

https://www.planningportal.nsw.gov.au/basix

Department of Fair Trading

13 32 20

https://www.fairtrading.nsw.gov.au/

Dial Prior to You Dig

1100

https://www.1100.com.au/

Long Service Payments Corporation

131441

https://www.longservice.nsw.gov.au/

NSW Food Authority

Notification for your food-based business

1300 552 406

https://nswfoodauthority.transactcentral.com/contactcentre/servlet/SmartForm.html?formCode=OLNOTIFY01

NSW Health

Information on asbestos and safe work practices.

https://www.health.nsw.gov.au/environment/factsheets/Pages/asbestos-and-health-risks.aspx

Water Efficiency Labelling and Standards (WELS)

https://www.waterrating.gov.au/

SafeWork NSW – Workplace Health and Safety Regulator

https://www.safework.nsw.gov.au/

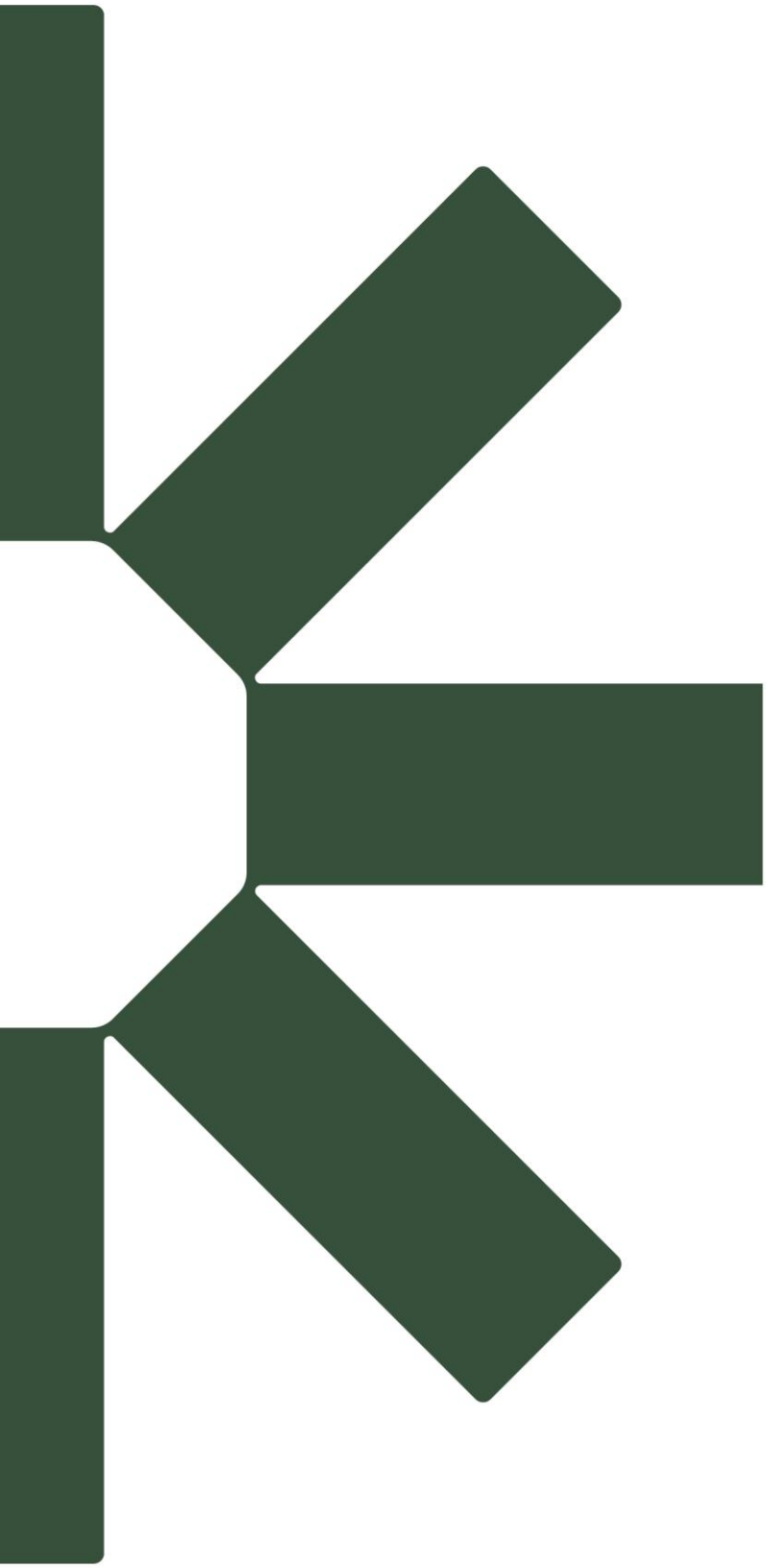
13 10 51

Icare – Insurance and Care NSW

https://www.icare.nsw.gov.au/

SIRA – State Insurance Regulatory Authority

https://www.sira.nsw.gov.au/



Making Sustainability Happen