

ProTen Annual Review 2025- 2026

**Euroley (Narrandera)
Poultry Production
Complex** – 12375 Sturt Highway, Euroley
NSW 2700



08 May 2025

PROTEN PTY LTD

Prepared by: Kristie Stevens

Revision: 1.0



Revision Record

Revision	Date	Prepared By	Checked By	Authorised By
1.0	08/05/2026	Kristie Stevens	Kate Wiggins	James Wentworth

Basis of Report

This report has been prepared by ProTen Pty Ltd with all reasonable skill, care and diligence. Information herein is based on the interpretation of data collected, which has been accepted as being accurate and valid.

Annual Review Title Block

Name of Operation	Euroley Poultry Production Complex
Name of Operator	ProTen Limited Pty Ltd
Development Consent / Project Approval Number	SSD 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 2025
Annual Review End Date	21 April 2026
I, James Wentworth, certify that this audit report is a true and accurate record of the compliance status of the Euroley Poultry Production Complex for the period between 22 April **YEAR** and 21 April **YEAR** and that I am authorised to make this statement on behalf of ProTen Limited. <i>Note.</i> a. <i>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.</i> b. <i>The Crimes Act 1900 contains other offences relating to false and misleading information: section 192G (Intention to defraud 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).</i>	
Name of authorised reporting officer	James Wentworth
Title of authorised reporting officer	Chief Executive Officer
Signature of authorised reporting officer	
Date	10/06/2026

Acronyms and Abbreviations

DPE	Department of Planning and Environment
DPHI	Department of Planning Housing and Infrastructure (Formerly DPE)
EAR	Environmental Assessment Report
EIA	Environmental Impact Assessment
EMP	Environmental 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

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1.0 Statement of Compliance

A summary of compliance at ProTen’s Euroley Poultry Production Farm (ProTen Euroley, the Development) during the reporting period is provided in Error! Reference source not found..

Table 1 Statement of Compliance

Were All Conditions of the Relevant Approval Compliant	Yes/No
Development Consent – SSD 6882 MOD1	No
Environment Protection Licence – EPL 20748	No
Water Access Licence – WAL 11788	Yes

Table 2 Non-Compliances during Reporting Period

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		Sections 4.0, 7.0 & 11.0
SSD 6882 MOD 1 Condition A6(d)	The Applicant shall ensure that no more than 16 poultry sheds are to be populated by broilers each day.	Non-Compliant	On 9 occasions during the reporting period greater than 16 sheds were populated with broilers.	Section 4.0 & Table 10
SSD 6882 MOD 1 Condition A9	The Applicant shall ensure that all buildings and structures are constructed and certified in accordance with relevant approvals and legislative requirements.	Non-compliant	Shed 3 (Farm 79) does not yet hold an Occupation Certificate (OC) and therefore is not fully certified. Previous reporting incorrectly described the building; this has now been corrected. Shed 3 is a rebuild of an existing structure (2018). ProTen is currently progressing the OC.	Sections 4.0
SSD 6882 Schedule 3 Condition B45 f(iii)	The surface water quality limits in the Water Management Plan were exceeded.	Non-Compliant	Surface water quality triggers were exceeded at different PPUs in 7 parameters during September 2025 and 15 parameters during March 2026. Retesting has been initiated for the March 2026 monitoring	Section 7.2

Relevant Approval	Condition Description Summary	Compliance Status	Comment	Where Addressed
			event to confirm the accuracy and reliability of the dataset.	
SSD 6882 Schedule 4 Conditions C9 and C10 / EPL 20748	Incident reporting requirements: The Applicant shall notify the Secretary within 24 hours of an incident and provide a written report within 7 days.	Non-Compliant	For the February 2026 incidents, notification to DPHI was not undertaken within 24 hours of becoming aware of the incidents. In addition, the written report for the waste spill incident was not submitted within the required 7-day timeframe.	Section 11

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

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 (5) poultry production units (PPU), where broiler birds are grown for human consumption (see **Figure 2**). Each PPU comprises sixteen (16) tunnel-ventilated fully enclosed climate-controlled poultry sheds, with associated support infrastructure and staff amenities (see **Figure 3**).

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.

2.1 Overview

This Annual Review details the environmental performance of ProTen Narrandera for the twelve-month reporting period from 22 April 2025 to 21 April 2026. This reporting period has been approved by the Department of Planning and Environment (DPHI) to align with the Environment Protection Licence (EPL) Annual Return period.

The Annual Review has been prepared generally based on the elements detailed in the Annual Review Guideline, dated October 2015 and to satisfy Schedule 4, Condition C8 of Development Consent SSD 6882 MOD1.

2.2 Company Contacts

Contact details for ProTen Narrandera are listed in **Table 4**.

Table 4 Company Contact Details

ProTen Euroley (Narrandera) Poultry Production Complex	
James Wentworth Chief Executive Officer Mob: 0407 936 896 Email: jamesw@proten.com.au	Kathryn Wiggins National SHEQ Manager Mob: 0434 550 789 Email: kates@proten.com.au

2.3 Report Scope

ProTen has prepared this Annual Review as required under Schedule 4, Condition C8 of SSD 6882 MOD 1 (see **Appendix A**). This condition imposes the requirements listed in **Table 5**.

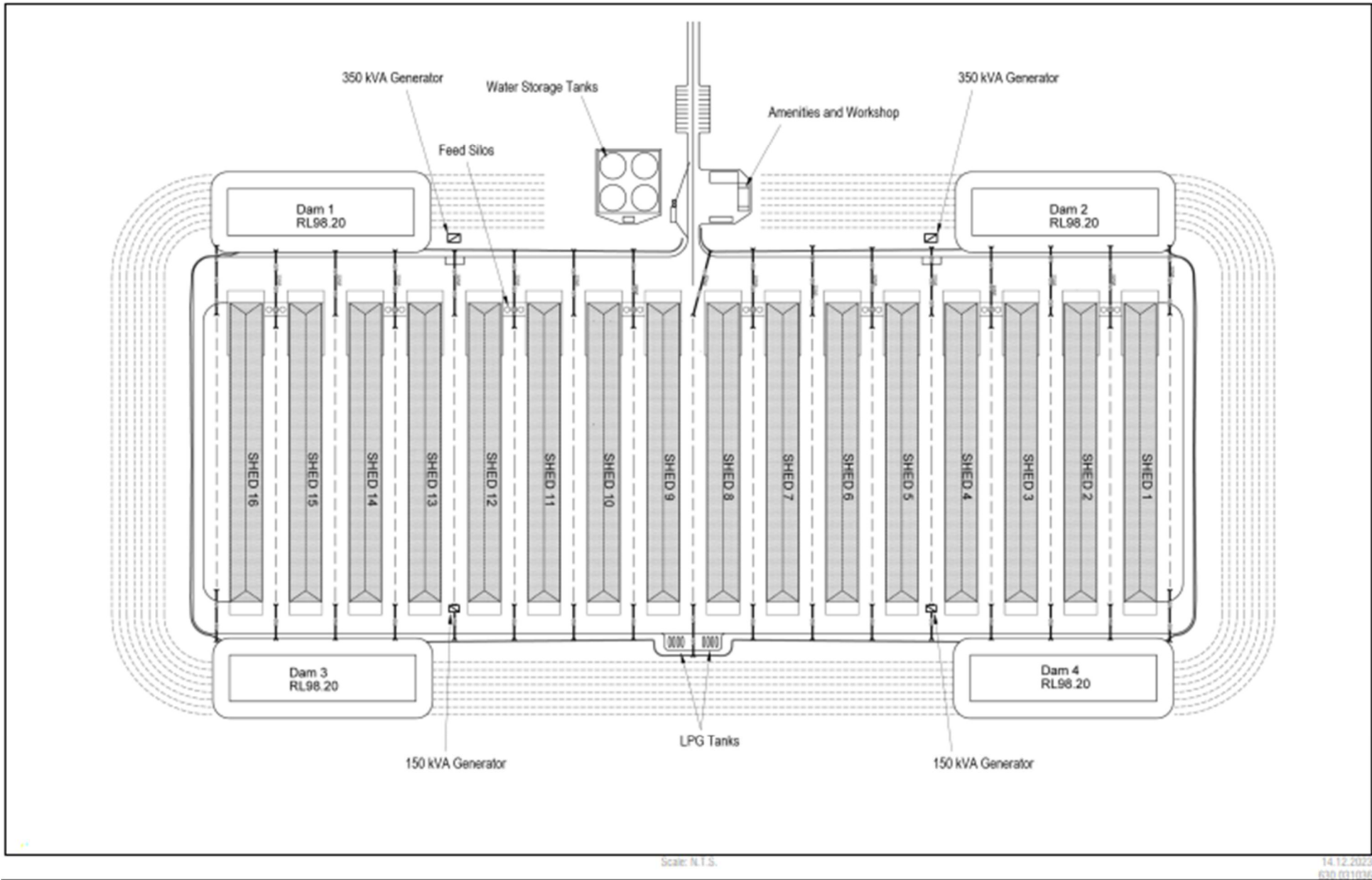
Table 5 Compliance with Schedule 4, Condition C8 of SSD 6882 MOD1

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 4.0 and Section 10.0
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 7.0
C8(c)	Identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance;	Section 9.0
C8(d)	Identify any trends in the monitoring data over the life of the Development;	Section 7.0, 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 6.0 and Section 7.0
C8(f)	Describe what measures will be implemented over the next year to improve the environmental performance of the Development.	Section 10.0

Figure 1 Development Site and Nearest Receptors



Figure 3 Poultry Production Unit Layout



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, Licenses and Approvals

Instrument	Issue Date	Regulatory Authority
Development Consent – SSD 6882		
Development Consent – SSD 6882	9 November 2015	Department of Planning and Environment (DPE)
MOD 1	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 Planning and Assessment Commission (PAC). SSD 6882 approves the construction and operation of five (5) PPU's, each comprising of sixteen (16) poultry sheds where broiler birds are grown for human consumption, along with associated support infrastructure.

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

A copy of SSD 6882 MOD1 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 Environmental Protection Licence (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 1000-3000T. EPL 20748 was

varied on 28 June 2023 (Version 2). A further EPL variation was granted on 18 September 2024 (Version 3) following an application lodged on 1 July 2024 to align with SSD 6882 Modification 1. This variation increased the approved bird capacity and removed the operational requirement relating to minimum staging time between poultry production units, as well as updating condition numbering and structure. However, under SSD 6882 (as modified), the increased bird capacity to 4.4608 million broilers is only permitted following completion of the intersection upgrade works to accommodate A-Double vehicles, in accordance with Conditions A6A and B14A.

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 Plans

During 2025-2026 the site operated under its approved OEMP *Operational Environmental Management Plan – SSD 6882 ProTen Narrandera Poultry Production Complex*, dated 31 July 2024 (SLR, 2024), Revision 0.6, in accordance with Schedule 4, Condition C4 of SSD 6882 MOD 1.

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. The OEMP includes:

- MOD 1 Consent.
- EPL 20748.
- Water Licence (WAL 11788).
- Driver Code of Conduct.
- Air Quality Management Plan.
- Landscape Management Plan.
- Water Management Plan.
- Waste Management Plan.
- Emergency Management Plan.
- Biodiversity Management Plan.
- Aboriginal Cultural Heritage Management Plan.

- Disposal / Biosecurity Plan.
- Flood Management Plan.
- Complaints and Incidents Management Forms.

During 2025, the OEMP was reviewed, with the review completed on 2 July 2025. A revision to the Water Management Plan, which forms part of the OEMP, was required and submitted to the Department on 4 March 2026.

4.0 Operations

4.1 Overview

The Development comprises five (5) poultry production units (PPU) or farms, where broiler birds will be grown for human consumption. Each PPU will comprise sixteen (16) tunnel-ventilated fully enclosed climate-controlled poultry sheds, with associated support infrastructure and staff amenities. Details of the shed and PPU housing capacities prior and post the modification for this reporting period are summarised in **Table 7**.

In summary, the cycles comprises the following major steps:

1. **Delivery of Bedding Material** – 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 the customer weight specifications. This is normally achieved from five (5) and eight (8) week 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, 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 (7) 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 livestock welfare, bird pick-up is conducted over a 24-hour period. Mitigation measures are implemented throughout the process to manage temperature and maintain bird comfort, including cooling strategies where required. In addition, RSPCA restrict bird pick-up during periods of extreme heat.

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

4.3 Construction and Demolition

No construction or demolition works was completed within the reporting period.

Closing out on previously noted construction activities on site:

- Shed 3 was identified in the last reporting period as a non-compliance with regard to building certification. It is noted that Shed 3 was incorrectly described in the previous report as a training room; this is not accurate. Shed 3 is a rebuild of an existing structure originally constructed in 2018. ProTen are currently in the process of obtaining an occupation certificate (OC) for Shed 3 at Farm 79; however, the OC has not yet been issued.
- A small office 90m² in size located near Shed 78 was constructed in 2018 and identified during the Independent Environmental Audit (IEMA, 2024) as not consistent with current consents. ProTen completed a self-assessment of the works against the Codes SEPP, particular *Part 2, Subdivision 16 Farm buildings (other than stock holding yards, grain silos and grain bunkers)* at the time and deemed the works to be considered as exempt development, meeting the specified development and development standards specified in clause 2.31 and 2.32 respectively.

It is understood that no further action is required in relation to the small office. Shed 3 remains subject to completion of certification, with an Occupation Certificate (OC) yet to be issued.

4.4 Production

Each PPU at Narrandera comprises sixteen (16) tunnel-ventilated, fully enclosed, climate-controlled poultry sheds. Following the approval of MOD 1 on 21 March 2024, shed housing capacity was increased from 49,000 birds per shed (Condition A6(a)) to 55,760 birds per shed (Condition A6A(a)), equating to an increase in approved PPU capacity from 784,000 to 892,160 birds and a total development capacity from 3.92 million birds (Condition A6(a)) to 4.4608 million birds (Condition A6A(a)). Implementation of this increased capacity is contingent on completion of the approved site access upgrade works, and current operations remain below this limit.

Table 7 summarises the key elements of the Development as approved by SSD 6882 MOD1.

Table 7 Summary of Development

Development Characteristic	Approved Development SSD 6882 MOD1
Purpose	Birds grown for human consumption
Number of PPUs	Five (5)
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

Development Characteristic	Approved Development SSD 6882 MOD1
Hours of operation	24 hours a day, 7 days a week
Production cycle length	Approximately 9 weeks, with bird population being reduced from 32 days occupation and a cleaning phase of 1 week
Number of production cycles per year	On average, approximately 5.7
Maximum shed population	49,000 (A6(a)) or 55,760 birds (A6A(a))
Maximum PPU population	784,000 (A6(a)) or 892,160 birds (A6A(a))
Maximum Development population	3.92 million birds (A6(a)) or 4.4608 million birds (A6A(a))
Maximum bird density within sheds	34 kilograms per square metre (kg/m ²)

A production summary for the Reporting period is shown in the following tables.

Table 8 Bird on Hand Numbers by Farm during Reporting Period - A6(a)
shows that Birds on Hand by Farm are within Consent Limits for Condition A6(a) and A6A(a).

Table 8 Bird on Hand Numbers by Farm during Reporting Period - A6(a)

Farm / Batch	Bird on Hand Numbers – Total when Last Shed Populated – Max Birds on Site							
	75	76	77	78	79	3,920,000 (A6(a))	Variance	4,460,800 A6A(a)
2505	790,555	791,800	773,201	787,098	761,160	3,903,894	-16,106	556,906
2506	785,029	789,314	775,730	798,141	767,935	3,916,149	-3,851	544,651
2507	780,506	783,520	790,690	774,200	777,472	3,906,388	-13,612	554,412
2601	762,000	746,263	761,991	760,687	772,912	3,803,853	-116,147	656,947
2602	757,486	742,809	757,614	749,047	756,983	3,763,939	-156,061	696,861
2603	639,229	730,454	734,851	762,469	771,442	3,638,445	-281,555	822,355
2604	780,887	789,436	787,167	777,675	781,459	3,916,624	-3,376	544,176

Table 9 shows occurrences when more than 16 sheds were placed on a specific day.

Table 9 Shed Placement Exceedances during Reporting Period A6(d)

Approved Number of Sheds to be Populated in any one day per cycle – 16 Sheds				
Batch	Date	Total Sheds	Farm Details	Variance Total
2505	21/03/2025	17	Farms 78 and 79	1
2506	n/a	n/a	n/a	Compliant
2507	17/07/2025	19	Farms 78 and 79	2
	18/07/2025	18	Farms 77 and 78	
2601	12/09/2025	18	Farms 78 and 79	2
	16/09/2025	20	Farms 75, 76 and 77	
2602	07/11/2025	19	Farms 77, 78 and 79	1
2603	06/01/2026	19	Farms 77, 78 and 79	2
	09/01/2026	17	Farms 75 and 76	
2604	06/03/2026	18	Farms 75 and 76	1

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Importantly, ProTen notes that shed placements are averaged across a batch, reflecting an equivalent of 16 whole sheds when accounting for partial shed placements (see

21/03/2025				22/03/2025		24/03/2025				25/03/2025				26/03/2025		27/03/2025			
Farm 79		Farm 78		Farm 78		Farm 78		Farm 77		Farm 77		Farm 76		Farm 76		Farm 76		Farm 75	
	48240	1	47000	Sheds	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds
	48214	2	50000	8	51300	11	49033	1	48330	10	48240	1	48780	6	49544	12	49452	1	49680
0	48743	3	50371	9	51300	12	48953	2	48457	11	48131	2	48798	7	49590	13	49590	2	49680
1	48780	4	50850			13	48800	3	48780	12	48120	3	48758	8	48150	14	52902	3	49430
2	48793	5	50899			14	48800	4	48930	13	48780	4	48816	11	52400	15	52000	4	48770
3	48780	6	50850			15	48800	5	48824	14	48767	5	49459			16	52050	5	48800
4	47556	7	51251			16	47800	6	48766	15	48801	9	50000					6	48800
5	50850	10	50100					7	48870	16	48298	10	50600					7	48770
6	50850							8	48831									8	49500
								9	49528									9	49520
Totals				Totals		Totals				Totals				Totals		Totals			
Sheds		Birds		Sheds	Birds	Sheds		Birds		Sheds		Birds		Sheds	Birds	Sheds		Birds	
17		842,127		2	102,600	15		731,502		14		684,348		4	199,684	14		698,964	
Batch 2506																			
19/05/2025				20/05/2025				21/05/2025		22/05/2025				23/05/2025				26/05/2025	
Farm 79		Farm 78		Farm 78		Farm 77		Farm 77		Farm 77		Farm 76		Farm 76		Farm 75		Farm 75	
Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds
9	48960	1	50405	8	50490	1	49500	3	44852	11	48960	1	48933	11	48960	1	48985	11	48960
0	49004	2	50429	9	50490	2	49555	4	45630	12	48950	2	48937	12	48960	2	48960	12	48960
1	48960	3	49327	10	50490	7	51204	5	48870	13	48960	3	48960	13	48960	3	48960	13	44260
2	48963	4	49240	11	50487	8	51204	6	48870	14	49167	4	50412	14	49670	4	48997	14	48140
3	48960	5	51594	12	50490	9	49776			15	50616	5	49270	15	49490	5	49500	15	52900
4	48960	6	52020	13	49001	10	47340			16	49776	6	49259	16	52366	6	49500	16	48960
5	48785	7	52020	14	48767							7	49165			7	49455		
6	49776			15	49500							8	47412			8	49487		
				16	49521							9	49302			9	49477		
												10	49258			10	49500		
Totals				Totals				Totals		Totals				Totals				Totals	
Sheds		Birds		Sheds		Birds		Sheds	Birds	Sheds		Birds		Sheds		Birds		Sheds	Birds
15		747,403		15		747,815		4	188,222	16		787,337		16		791,227		6	292,200
2507																			
17/07/2025				18/07/2025				21/07/2025				22/07/2025				24/07/2025		25/07/2025	
Farm 79		Farm 78		Farm 78		Farm 77		Farm 77		Farm 76		Farm 76		Farm 75		Farm 75		Farm 75	
Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds
7	49500	1	50264	7	47700	1	48780	12	48804	1	49680	11	49005	1	50040	11	48480	15	49280
8	49486	2	49317	8	47670	2	48778	13	49680	2	49682	12	48453	2	50040	12	48480	16	49280
9	49503	3	46800	9	47700	3	48780	14	49680	3	49706	13	48960	3	50055	13	49288		
0	49500	4	47764	10	47700	4	48780	15	49680	4	50040	14	48960	4	50040	14	43942		
1	49500	5	47761	11	48780	5	49554	16	49144	5	50447	15	48960	5	50040				
2	49490	6	47809	12	48798	6	49590			6	50400	16	48068	6	49372				
3	48660	14	48510	13	48887	7	49561			7	49140			7	49279				
4	48884	15	48870			8	50277			8	49119			8	46734				
5	49817	16	48870			9	50298			9	47800			9	48000				
6	47034					10	49747			10	45100			10	48140				
						11	49557												
Totals				Totals				Totals				Totals				Totals		Totals	
Sheds		Birds		Sheds		Birds		Sheds		Birds		Sheds		Birds		Sheds		Birds	
19		927,339		18		880,937		15		738,102		16		784,146		4		190,190	

below).

Table 10 Number of Sheds Populated Each day during Reporting Period

PROTEN ANNUAL REVIEW 2025-2026 – Euroley (Narrandera) Poultry Production Complex

Batch 2505																									
20/03/2025		21/03/2025				22/03/2025		24/03/2025				25/03/2025				26/03/2025		27/03/2025				28/03/2025			
Farm 79		Farm 79		Farm 78		Farm 78		Farm 78		Farm 77		Farm 77		Farm 76		Farm 76		Farm 76		Farm 75		Farm 75			
Shed	Birds	8	48240	1	47000	Sheds	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds		
1	50520	9	48214	2	50000	8	51300	11	49033	1	48330	10	48240	1	48780	6	49544	12	49452	1	49680	10	52000		
2	50652	10	48743	3	50371	9	51300	12	48953	2	48457	11	48131	2	48798	7	49590	13	49590	2	49680	11	48000		
3	46829	11	48780	4	50850			13	48800	3	48780	12	48120	3	48758	8	48150	14	52902	3	49433	12	50091		
4	47300	12	48793	5	50899			14	48800	4	48930	13	48780	4	48816	11	52400	15	52000	4	48770	13	50098		
5	47300	13	48780	6	50850			15	48800	5	48824	14	48767	5	49459			16	52050	5	48800	14	49680		
6	47300	14	47556	7	51251			16	47800	6	48766	15	48801	9	50000					6	48802	15	49716		
7	46070	15	50850	10	50100					7	48870	16	48298	10	50600					7	48774	16	48000		
		16	50850							8	48831									8	49509				
										9	49528									9	49522				
Totals		Totals				Totals		Totals				Totals				Totals		Totals				Totals			
Sheds	Birds	Sheds		Birds		Sheds	Birds	Sheds		Birds		Sheds		Birds		Sheds	Birds	Sheds		Birds		Sheds	Birds		
7	335,971	17		842,127		2	102,600	15		731,502		14		684,348		4	199,684	14		698,964		7	347,585		
Batch 2506																									
16/05/2025		19/05/2025				20/05/2025				21/05/2025		22/05/2025				23/05/2025				26/05/2025					
Farm 79		Farm 79		Farm 78		Farm 78		Farm 77		Farm 77		Farm 77		Farm 76		Farm 76		Farm 75		Farm 75					
Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds				
1	45288	9	48960	1	50405	8	50490	1	49500	3	44852	11	48960	1	48933	11	48960	1	48985	11	48960				
2	50979	10	49004	2	50429	9	50490	2	49555	4	45630	12	48950	2	48937	12	48960	2	48960	12	48960				
3	48846	11	48960	3	49327	10	50490	7	51204	5	48870	13	48960	3	48960	13	48960	3	48960	13	44268				
4	50739	12	48963	4	49240	11	50487	8	51204	6	48870	14	49167	4	50412	14	49670	4	48997	14	48144				
5	48822	13	48960	5	51594	12	50490	9	49776			15	50616	5	49270	15	49490	5	49500	15	52909				
6	45990	14	48960	6	52020	13	49001	10	47340			16	49776	6	49259	16	52366	6	49500	16	48967				
7	49050	15	48785	7	52020	14	48767							7	49165			7	49455						
8	49050	16	49776			15	49500							8	47412			8	49487						
						16	49521							9	49302			9	49477						
														10	49258			10	49500						
Totals		Totals				Totals				Totals		Totals				Totals				Totals					
Sheds	Birds	Sheds		Birds		Sheds		Birds		Sheds	Birds	Sheds		Birds		Sheds		Birds		Sheds	Birds				
8	437,814	15		747,403		15		747,815		4	188,222	16		787,337		16		791,227		6	292,208				
2507																									
15/07/2025		17/07/2025				18/07/2025				21/07/2025				22/07/2025				24/07/2025		25/07/2025					
Farm 79		Farm 79		Farm 78		Farm 78		Farm 77		Farm 77		Farm 76		Farm 76		Farm 75		Farm 75		Farm 75					
Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds				
1	45862	7	49500	1	50264	7	47700	1	48780	12	48804	1	49680	11	49005	1	50040	11	48480	15	49288				
2	48662	8	49486	2	49317	8	47670	2	48778	13	49680	2	49682	12	48453	2	50040	12	48480	16	49288				
3	48800	9	49503	3	46800	9	47700	3	48780	14	49680	3	49706	13	48960	3	50055	13	49288						
4	49234	10	49500	4	47764	10	47700	4	48780	15	49680	4	50040	14	48960	4	50040	14	43942						
5	48552	11	49500	5	47761	11	48780	5	49554	16	49144	5	50447	15	48960	5	50040								
6	45988	12	49490	6	47809	12	48798	6	49590			6	50400	16	48068	6	49372								
		13	48660	14	48510	13	48887	7	49561			7	49140			7	49279								
		14	48884	15	48870			8	50277			8	49119			8	46734								
		15	49817	16	48870			9	50298			9	47800			9	48000								
		16	47034					10	49747			10	45100			10	48140								
								11	49557																
Totals		Totals				Totals				Totals		Totals				Totals				Totals		Totals			
Sheds	Birds	Sheds		Birds		Sheds		Birds		Sheds		Birds		Sheds		Birds		Sheds	Birds	Sheds	Birds				
6	287,098	19		927,339		18		880,937		15		738,102		16		784,146		4	190,190	2	98,576				

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2601																			
11/09/2025		12/09/2025				15/09/2025				16/09/2025						18/09/2025			
Farm 79		Farm 79		Farm 78		Farm 78		Farm 77		Farm 77		Farm 76		Farm 75		Farm 75			
Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds		
1	47430	13	49401	1	48690	15	47600	1	47700	14	46148	1	44356	1	48120	2	48120		
2	47430	14	49788	2	48648	16	47600	2	47730	15	47600	2	45139			3	48400		
3	47467	15	48609	3	48699			3	47683	16	47600	3	45067			4	47253		
4	47445	16	49360	4	48647			4	47700			4	45090			5	47250		
5	47430			5	48711			5	47702			5	46798			6	47224		
6	47430			6	48690			6	47700			6	46818			7	47250		
7	47430			7	48700			7	47716			7	46800			8	47289		
8	47411			8	47430			8	47726			8	46842			9	47250		
9	47430			9	47430			9	48690			9	46800			10	47250		
10	49416			10	47430			10	47672			10	46781			11	48507		
11	49465			11	47430			11	47700			11	46800			12	47250		
12	49970			12	47430			12	47658			12	46794			13	47242		
				13	43812			13	47266			13	46828			14	48467		
				14	43740							14	49950			15	48400		
												15	48240			16	47600		
												16	47160						
Totals		Totals				Totals				Totals						Totals			
Sheds	Birds	Sheds		Birds		Sheds		Birds		Sheds		Birds		Sheds		Birds			
12	575,754	18		862,645		15		715,843		20		935,731		15		714,752			
2602																			
06/11/2025		07/11/2025						08/11/2025		10/11/2025				11/11/2025				13/11/2025	
Farm 79		Farm 79		Farm 78		Farm 77		Farm 77		Farm 77		Farm 76		Farm 76		Farm 75		Farm 75	
Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds
1	47610	15	46916	1	46620	1	47100	2	47600	4	47578	1	46684	3	46260	1	43432	3	47610
2	47610	16	45897	2	46620			3	47600	5	47610	2	46833	4	46260	2	43020	4	47580
3	47633			3	46591					6	47628			5	46822			5	47578
4	47597			4	46599					7	47610			6	46286			6	47610
5	47610			5	46620					8	47655			7	46267			7	47616
6	47631			6	46610					9	47614			8	46250			8	47667
7	48349			7	46620					10	47610			9	46226			9	47610
8	47610			8	46664					11	47615			10	46260			10	47684
9	47610			9	46609					12	47602			11	46260			11	47631
10	47610			10	47520					13	46800			12	46302			12	47610
11	47635			11	47498					14	46778			13	46260			13	47609
12	46365			12	47070					15	47328			14	46639			14	48987
13	46700			13	47070					16	47192			15	46600			15	49572
14	46600			14	47136									16	46600			16	48670
				15	46600														
				16	46600														
Totals		Totals						Totals		Totals				Totals				Totals	
Sheds	Birds	Sheds				Birds		Sheds	Birds	Sheds		Birds		Sheds		Birds		Sheds	Birds
14	664,170	19				888,960		2	95,200	15		710,137		16		735,744		14	671,034

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2603																							
03/01/2026		05/01/2026				06/01/2026						08/01/2026				09/01/2026				10/01/2026		12/01/2026	
Farm 79		Farm 79		Farm 78		Farm 79		Farm 78		Farm77		Farm 77		Farm 76		Farm 76		Farm 75		Farm 75		Farm 75	
Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds
1	48577	11	48048	1	48051	14	48088	11	46000	1	48060	11	46550	1	48600	11	49005	1	48610	12	47611	15	47975
2	48600	12	47687	2	48060	15	48060	12	48107	2	48060	12	48569	2	48600	12	48975	2	48822	13	47610	16	47969
3	48597	13	47700	3	48099	16	48690	13	48060	3	48060	13	48591	3	48614	13	48960	3	48566	14	47610		
4	48622		48088	4	48037			14	48118	4	48085	14	48600	4	48600	14	48924	4	48932				
5	48588			5	48060			15	48060	5	48074	15	48570	5	48600	15	48286	5	48900				
6	48605			6	47700			16	45940	6	48063	16	47071	6	48611	16	49204	6	48060				
7	48590			7	46844					7	46572			7	48220			7	48060				
8	48625			8	48048					8	47000			8	47500			8	48060				
9	47191			9	48245					9	46886			9	49930			9	47953				
10	47174			10	47121					10	48060			10	46890			10	47970				
																		11	47970				
Totals		Totals				Totals										Totals				Totals		Totals	
Sheds	Birds	Sheds		Birds		Sheds		Birds		Sheds		Birds		Sheds		Birds		Sheds		Birds		Sheds	Birds
10	483,169	13		669,788		19		906,043		16		772,116		17		825,257		3		142,831		2	95,944
2604																							
27/02/2026		28/02/2026		02/03/2026				03/03/2026				04/03/2026		05/03/2026				06/03/2026					
Farm 79		Farm 79		Farm 79		Farm 78		Farm 78		Farm 77		Farm 77		Farm 77		Farm 76		Farm 76		Farm 75			
Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds	Shed	Birds		
1	50298	9	48709	15	49252	1	48425	14	51183	1	49950	14	50300	16	51180	1	49500	15	50936	1	48960		
2	50278	10	48600	16	49234	2	49316	15	49934	2	49971	15	50400			2	49500	16	50100	2	48930		
3	50053	11	48600			3	49356	16	51034	3	49944					3	49500			3	48960		
4	50040	14	49800			4	49293			4	49514					4	49500			4	48960		
5	50040					5	49365			5	49140					5	49459			5	48948		
6	51120					6	49320			6	49135					6	49663			6	48960		
7	51112					7	48269			7	49500					7	49500			7	49473		
8	51120					8	48600			8	49505					8	49523			8	49498		
12	51015					9	48600			9	49230					9	49536			9	49500		
13	51200					10	48281			10	49213					10	48969			10	49033		
						11	48301			11	49350					11	48684			11	49050		
						12	48798			12	50094					12	48531			12	49503		
						13	48057			13	50088					13	51141			13	49500		
																14	50562			14	47012		
																				15	47600		
																				16	49000		
Totals		Totals		Totals				Totals				Totals		Totals				Totals					
Sheds	Birds	Sheds	Birds	Sheds		Birds		Sheds		Birds		Sheds	Birds	Sheds		Birds		Sheds		Birds			
10	483,169	4	195,709	15		732,467		16		796,785		2	100,700	15		744,748		18		883,923			

5.0 Actions Required from Previous Annual Review

Actions required from the previous reporting period (2024-2025) included:

- Surface water and groundwater monitoring to be undertaken in accordance with the WMP.
- Confirm approval of the OEMP with DPHI.
- ProTen Narrandera to continue operating its Carbon Offset Project per recommendations below:
 - Continued weed and pest management, particularly in areas with high grass and fleabane cover.
 - Informal monitoring of Sections 3, 5 and 6 of Offset Areas defined within the Cassinia Environmental Monitoring Report later in 2025 to assess improvements following rainfall and herbivore control measures.
 - Infill planting in low-density sections, especially Section 1, to support uniform coverage across the planting area.
 - Ongoing site access control, particularly in locations subject to compaction from unauthorised livestock movement.
- Routine maintenance of existing fencing and landscaped buffers as part of the Landscape Management Plan.

6.0 Environmental Performance

This section provides an overview of the environmental management and performance of ProTen Euroley (Narrandera) Poultry Production Complex during the reporting period.

6.1 General Site Maintenance

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

ProTen Narrandera operates in accordance with the 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.
- 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 ProTen Narrandera. The station monitors the following parameters:

- Wind Speed at 10 metres.
- Wind Direction at 10 metres.
- Temperature at 10 metres and 2 metres.

- Rainfall

Table 11 summarises the meteorological data collected at ProTen Narrandera during the reporting period.

Table 11 On-Site Meteorological Station Data

Meteorological Information	Mar-26	Feb-26	Jan-26	Dec-25	Nov-25	Oct-25	Sep-25	Aug-25	Jul-25	Jun-25	May-25	Apr-25
Total Rainfall (mm)	70.8	11.6	0.00	47.4	18.6	5.40	32.4	17.0	21.2	40.4	28.4	5.60
Minimum Temperature at 2m (°C)	7.40	10.6	13.5	7.1	1.60	2.90	-0.20	-1.10	-2.90	-3.20	-0.20	4.50
Average Temperature at 2m (°C)	21.8	25.7	28.1	22.8	19.5	17.4	13.1	10.3	8.78	7.94	12.6	18.1
Maximum Temperature at 2m (°C)	35.3	39.6	45.3	41.2	36.3	34.2	29.4	21.4	18.7	22.5	26.6	30.9
Minimum Temperature at 10m (°C)	8.00	11.2	14.1	8.30	3.60	5.00	2.10	1.10	-0.50	-0.80	2.10	7.00
Average Temperature at 10m (°C)	22.5	26.3	28.7	23.5	20.1	18.2	14.0	11.2	9.73	8.97	13.8	19.1
Maximum Temperature at 10m (°C)	35.2	39.3	45.6	40.9	36.5	34.0	29.5	21.5	18.8	22.6	26.5	31.4
Average Wind Speed (m/s)	2.91	3.62	3.73	3.58	3.80	3.03	3.08	2.86	2.85	2.52	2.43	2.33
Average Wind Direction (degrees)	0.32	0.40	0.50	0.80	1.02	1.27	1.73	2.44	3.63	5.00	6.72	9.65
Average Ground Solar Radiation (W/m2)	228.6	298.5	365.9	362.3	323.3	258.6	211.9	170.9	116.1	109.7	146.5	193.6

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) (SLR 2024) has been prepared for ProTen Narrandera and was reviewed during 2024 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.
- 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).
- Windblown dust from open areas.

Table 12 lists the criteria for particulate matter adopted in the EIS (SLR 2015a).

Table 12 *Particulate Matter Criteria*

Pollutant	Agency	Criterion	Averaging Time
PM ₁₀	EPA	50 µg /m ³	24-Hour Maximum
		30 µg /m ³	Annual Mean

The following mitigation measures and management strategies were 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 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 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.
- All trucks have their loads covered prior to exiting the site.

6.3.1 Environmental Performance

There were zero (0) complaints in relation to dust emissions during the reporting period.

There is no requirement to undertake air quality monitoring under SSD 6882 MOD1 or EPLK 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 133**.

Table 13 **Operational Noise Limits**

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

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 equipment 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 of reversing alarms and heavy vehicle maneuvering.
- Audible alarms were maintained at a level that are not audible beyond the site boundary.
- Internal roads were maintained to reduce traffic noise levels.
- The majority of operational activities occurred between 7:00 am and 7:00 pm.

6.4.1 Environmental Performance

Zero (0) complaints were received with regard to noise during the reporting period.

There is no requirement to undertake noise monitoring under SSD 6682 or EPL 20748. ProTen Narrandera will continue to implement the noise mitigation and management measures outlined in the OEMP.

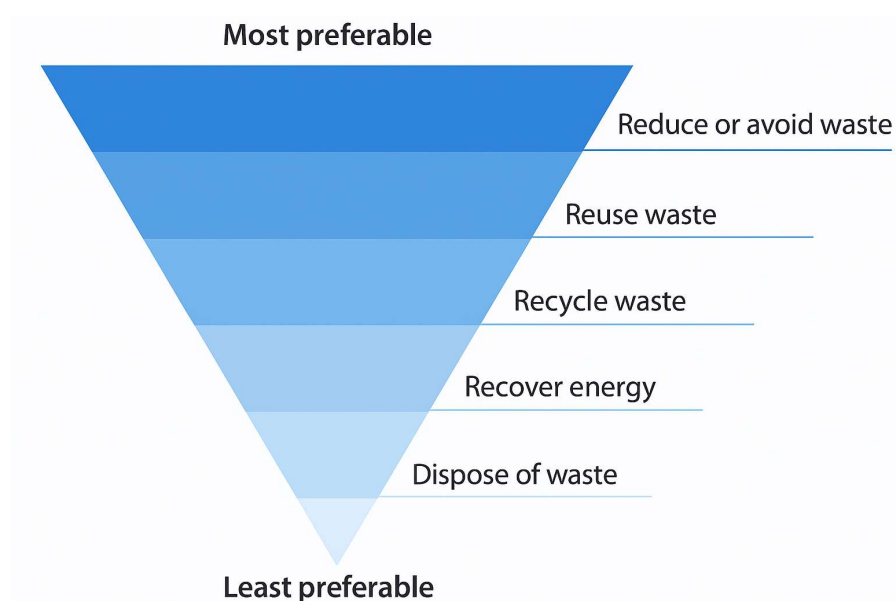
6.5 Waste Management

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.
- 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 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 (8) 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 animal disease event).
- General waste skips are checked on a weekly basis. If the skips are reaching capacity, removal and replacement will be organised within the next 24 hours.

6.5.1 Environmental Performance

Waste volume generated at the site during the reporting period was 697.5 m³. 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 licensed facility.

Zero (0) 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 2024) has been prepared for the Development in accordance with Condition B12 of Development Consent 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.
- Lighting may adversely affect nocturnal fauna through eye-shine and exposure to predators.

ProTen has continued to implement the following management measures during the reporting period to mitigate potential 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.
- Regular inspections of the Temporary Offset Area fencing are undertaken, and repairs carried out as necessary.

The details of these management and mitigation measures are also included within the Operational Environmental Management Plan (OEMP) (SLR, 2024).

6.6.1 Environmental Performance

A Temporary Offset Area established prior to construction continues to be maintained in accordance with the BMP and OEMP. The offset area includes remnant vegetation identified as White Cypress Pine Open Woodland (equivalent to Sandhill Pine Woodland EEC) and is protected through fencing and an exclusion buffer of 100 m from the development footprint. No adverse impacts to biodiversity values or offset areas were recorded during the reporting period.

It is noted that revegetation and planting undertaken for biodiversity offsets also contribute to carbon farming objectives. Further detail on planting performance and monitoring outcomes is provided in **Section 9.0**.

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. This document has been updated and forms part of the updated OEMP (SLR 2024). 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. This document forms part of the updated OEMP (SLR 2024). 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.
- Sanitisation products for the wheel wash facilities and foot baths.
- Disinfectant for the water supply.
- Pest and vermin control products (when necessary).
- 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 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.
- Copies of the SDS for each chemical and fuel used on site are kept within each Site Office.

6.7.1 Environmental Performance

ProTen Narrandera maintains biosecurity notices and dead bird pick-up dockets at each PPU. Fuels and hazardous materials, including empty containers, are appropriately stored. No major spills occurred during the reporting period. Baiting in the vicinity of the sheds was undertaken 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.

In September 2025, the Narrandera Pollution Incident Response Management Plan (PIRMP) was reviewed and revised. PIRMP training and a practical drill were completed in October 2025 to confirm readiness. The PIRMP was subsequently activated in February 2026 in response to a bird loss event, as outlined in Section 11.2.

6.8 Aboriginal Heritage Management

During the EIS process, field surveys identified six (6) Aboriginal Heritage sites within the ProTen Narrandera site, comprising five (5) scarred trees and one (1) hearth. While some sites are located in 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* identified in the ACHMP and OEMP will be followed.

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

- The six (6) 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 (6) identified Aboriginal heritage sites during site inductions and training.
- 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. Monthly checks have been undertaken to ensure the integrity of the fencing.

No unexpected finds were identified during the reporting period.

7.0 Water Management

7.1 Approved Water Use

ProTen Narrandera operates under water licence WAL 11788 which permits the extraction of 488 megalitres per year (ML/year) from the two (2) 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 data, including groundwater extraction volumes, is recorded and maintained in an internal OneDrive spreadsheet.

Water usage during the 2025-2026 reporting year was 405.7 ML. This is less than the 488 ML/year permitted under WAL 11788. Continued upgrades to the underground water supply infrastructure, including works to identify and eliminate leaks, have likely contributed to the reduced overall water usage.

7.2 Surface Water

7.2.1 Site Description

ProTen Narrandera is located within the catchment of the Murrumbidgee River, which covers 84,000 km² of southern NSW. The river flows 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 (2) 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 Site Surface Water Uses

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.
- Rainfall runoff from the ground surfaces around the poultry sheds and additional improvements.

Approximately 12 kiloliters (kL) of water is 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 was commissioned by ProTen to update and revise the Water Management Plan in February 2024 to include updates, this was submitted to DPHI for assessment and accepted. 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 monthly, 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.
- Dry-cleaning practices at the end of each production cycle are maximized to minimise the volume of wash water and poultry litter associated sediments and nutrients washed out of the sheds.

The Water Management Plan was subsequently reviewed again in February 2026 and has been submitted to the Department for approval.

7.2.3 Surface Water Compliance

7.2.3.1 Surface Water Quality

As part of the 2024 Water Management Plan revision, a review of eighteen (18) sampling rounds was undertaken to develop site specific trigger values. Surface water Quality Trigger values are shown in **4** below. These measures are based on and compared against the results at each individual PPU. Details of their development and the application of the Impact Investigation procedures are detailed within the WMP. The Water Management Plan was subsequently reviewed again in February 2026 and has been submitted to the Department for approval.

Table 14 Surface Water Quality Trigger Values

Site	General				Nutrients			
	pH (unit)		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)
	Lower	Upper						
PPU1	6.8	7.9	690	128	4.5	5.6	1.0	0.9
PPU2	6.8	7.7	420	1,160	12.5	19.0	1.7	2.8
PPU3	6.8	8.7	394	296	5.5	7.6	3.3	1.2
PPU4	7.0	8.7	517	62	5.0	9.0	3.2	1.4

Site	General				Nutrients			
	pH (unit)		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)
	Lower	Upper						
PPU5	7.2	8.3	472	104	5.0	6.6	4.2	1.0

7.2.3.2 Surface Water Monitoring

The WMP and EPL 20748 detail the surface water monitoring requirements for ProTen Narrandera. During the reporting period, ProTen Narrandera engaged Aitken Rowe Testing Laboratories Pty Ltd (Aitken Rowe) to undertake surface water monitoring. Two (2) 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.
- Phosphorus.
- The periodic and reactive surface water quality monitoring schedule for ProTen Narrandera is listed in 5.

Table 15 *Surface Water Quality Monitoring Schedule*

Monitoring Site	Parameters	Frequency
Periodic Sampling		
One (1) sediment dam at each PPU	Water Quality Water Level Photos	Six (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	Target analytes selected based on the nature of the incident	Immediately and/or as instructed by consulted government agencies.

It is important to note that only four (4) monitoring events have been recorded since the new criteria were applied, reflecting the relatively recent implementation of the revised criteria and the corresponding limited monitoring period to date. To address the intent of long-term trend analysis, all data since 2017 has been collated and used to assess long-term trends against predictions and is discussed in **Section 7.3.1**, with an updated data table included in **Appendix D**.

7.3 Surface Water Monitoring Results

The surface water monitoring results for 2025-2026 are presented in **Table 16** to **Table 20**. Cells that are highlighted in orange show trigger level exceedance for the reporting period.

Table 16 PPU1 Water Monitoring Results

Site	General				Nutrients			
	pH (unit)		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)
	Lower	Upper						
PPU1	6.8	7.9	690	128	4.5	5.6	1.0	0.9
Sample Results – Reporting Period								
Sep-25	7.8		489	53	7.0	8.0	1.3	2.1
Mar-26	8.5		801	202	121	121	0.3	3.25

Table 16 shows that surface water quality at PPU1 was found to be outside Surface Water Quality Trigger Values for both monitoring rounds.

For September 2025, Total Nitrogen, Nitrate/Nitrite as N, and Total Phosphorus exceeded trigger values, indicating elevated nutrient concentrations likely associated with runoff from operational areas.

For March 2026, significant exceedances were recorded across multiple parameters including pH (8.5), Electrical Conductivity (801 µS/cm), Total Suspended Solids (202 mg/L), Total Kjeldahl Nitrogen (121 mg/L), Total Nitrogen (121 mg/L), and Total Phosphorus (3.25 mg/L). These results are notably elevated compared to historical data (2017–present) and are considered atypical of normal site conditions.

The elevated results may be partially influenced by increased rainfall prior to sampling, contributing to runoff and mobilisation of sediments and nutrients. However, given the magnitude and consistency of results across all monitoring locations, retesting has been initiated. The outcome of the retesting will be used to confirm whether the elevated results represent a genuine water quality impact or are attributable to potential sampling, handling, or analytical variability.

It is noted that a revised Water Management Plan (WMP), including updated Surface Water Quality Trigger Values (SSTVs), has been submitted to the Department and is currently awaiting approval.

Table 17 PPU2 Water Monitoring Results

Site	General				Nutrients			
	pH (unit)		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)
	Lower	Upper						
PPU2	6.8	7.7	420	1160	12.5	19.6	1.7	2.8
Sample Results – Reporting Period								
Sep-25	7.5		253	52	5.0	6.0	0.9	1.5
Mar-26	7.3		261	37	9.0	10.0	0.9	0.84

Table 17 shows that surface water quality at PPU2 was within Surface Water Quality Trigger Values for the reporting period.

For September 2025, all monitored parameters were within trigger values, indicating acceptable water quality conditions at the time of sampling.

For March 2026, all parameters also remained within trigger values, with results consistent with expected ranges and significantly lower than trigger thresholds for nutrients and suspended solids. Compared to other monitoring locations, the March 2026 results at PPU2 did not show the same level of elevated concentrations and are more consistent with historical monitoring data (2017–present). Notwithstanding this, retesting has been initiated across all PPU locations to verify the March 2026 dataset and confirm overall data reliability. It is noted that a revised Water Management Plan (WMP), including updated Surface Water Quality Trigger Values (SSTVs), has been submitted to the Department and is currently awaiting approval.

Table 18 PPU3 Water Monitoring Results

Site	General				Nutrients			
	pH (unit)		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)
	Lower	Upper						
PPU3	6.8	8.7	394	296	5.5	7.6	3.3	1.2
Sample Results – Reporting Period								
Sep-25	7.6		319	33	5.0	6.0	1.1	1.01
Mar-26	8.3		491	70	72	73	1.2	0.77

Table 188 shows that surface water quality at PPU3 was generally within Surface Water Quality Trigger Values for September 2025, with all parameters falling within acceptable ranges and indicating typical site conditions.

For March 2026, exceedances were recorded for several parameters, including Total Kjeldahl Nitrogen (72 mg/L) and Total Nitrogen (73 mg/L), which were significantly elevated compared to both the September monitoring round and historical data. Electrical Conductivity (491 µS/cm) and Total Suspended Solids (70 mg/L) were also increased, though remained within acceptable limits.

The elevated nutrient concentrations in March 2026 may be partially attributed to increased rainfall prior to sampling, contributing to runoff and mobilisation of nutrients. However, the magnitude of the increase compared to previous results is considered atypical of historical trends (2017–present). Retesting has been initiated to confirm the accuracy and reliability of the March 2026 results and determine whether the exceedances represent an isolated event or data variability. It is noted that a revised Water Management Plan (WMP), including updated Surface Water Quality Trigger Values (SSTVs), has been submitted to the Department and is currently awaiting approval.

Table 19 **PPU4 Water Monitoring Results**

Site	General				Nutrients			
	pH (unit)		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)
	Lower	Upper						
PPU4	7.0	8.7	517	62	5.0	9.0	3.2	1.4
Sample Results – Reporting Period								
Sep-25	7.6		302	52	2.0	6.0	4.2	1.91
Mar-26	8.1		524	26	62	44.0	1.4	1.3

Table 19 shows that surface water quality at PPU4 was outside Surface Water Quality Trigger Values for both monitoring rounds.

For September 2025, Nitrate/Nitrite as N (4.2 mg/L) and Total Phosphorus (1.91 mg/L) exceeded trigger values, indicating elevated nutrient concentrations likely associated with runoff from operational areas.

For March 2026, exceedances were recorded for Total Kjeldahl Nitrogen (62 mg/L) and Total Nitrogen (44.0 mg/L). Electrical Conductivity also increased to 524 µS/cm, indicating higher dissolved solids, while other parameters remained within or closer to expected ranges.

The March 2026 results are elevated compared to the September monitoring round and may be partially influenced by increased rainfall prior to sampling, contributing to runoff and mobilisation of nutrients. However, the variability between results is noted in the context of broader site monitoring, where atypical elevations were observed across multiple locations.

Retesting has been initiated to confirm the accuracy and reliability of the March 2026 dataset and determine whether the results represent an isolated event or data variability. It is noted that a revised Water Management Plan (WMP), including updated Surface Water Quality Trigger Values (SSTVs), has been submitted to the Department and is currently awaiting approval.

Table 20 *PPU5 Water Monitoring Results*

Site	General				Nutrients			
	pH (unit)		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)
	Lower	Upper						
PPU5	7.2	8.3	472	104	5.0	6.6	4.2	1.0
Sample Results – Reporting Period								
Sep-25	7.4		308	74	1.9	4	4.2	2.3
Mar-26	7.9		401	15	43	44	1.4	0.54

Table 20 shows that surface water quality at PPU5 was outside Surface Water Quality Trigger Values for both monitoring rounds.

For September 2025, Nitrate/Nitrite as N (4.2 mg/L) and Total Phosphorus (2.3 mg/L) exceeded trigger values, indicating elevated nutrient concentrations likely associated with runoff from operational areas.

For March 2026, exceedances were recorded for Total Kjeldahl Nitrogen (43 mg/L) and Total Nitrogen (44 mg/L), which were elevated compared to the previous monitoring round. Electrical Conductivity also increased to 401 µS/cm, indicating higher dissolved solids, while Total Suspended Solids decreased significantly (15 mg/L).

The March 2026 results are elevated compared to September and are inconsistent with typical historical trends (2017–present). While increased rainfall prior to sampling may have contributed to runoff and mobilisation of nutrients, the magnitude and variability of results are considered atypical in the context of site monitoring.

Retesting has been initiated to confirm the accuracy and reliability of the March 2026 dataset and determine whether the results represent an isolated event or data variability. It is noted that a revised Water Management Plan (WMP), including updated Surface Water Quality Trigger Values (SSTVs), has been submitted to the Department and is currently awaiting approval.

Grab Samples

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

7.3.1 Comparison Against Predictions

The Environmental Impact Statement (EIS) predicted typical nutrient concentration for the wash down water based on previous analysis of the wash down water at another of ProTen’s farms

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

The wash down water then enters the vegetated swale 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 166** above).

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%.
- Total Phosphorus (TP) = 30-50%.

Table 21 shows the observed removal rates from surface water collected in sediment dams over the life of the project, as presented in the WMP.

Table 21 *Nutrient Removal Rates for Swale Drains*

Parameter	Typical Wash Down Water ¹	Average Monitored in all Sediment Dams ²	% Removal	Average Monitored in all Sediment Dams ³	Updated % Removal ³
Total Suspended Solids (TSS)	2,500 mg/L	192 mg/L	92%	61.0 mg/L	98%
Total Nitrogen (TN)	65 mg/L	8.6 mg/L	87%	32 mg/L	51%
Total Phosphorus (TP)	45 mg/L	0.9 mg/L	98%	1.55 mg/L	97%

¹As presented in Section 5.1.1 of WMP.

²Average from observed data provided in Section 7.1.1 of WMP.

³Average from observed data inclusive of this years testing data.

Analysis of long-term trend data (2017–present), inclusive of the current reporting period, indicates that sediment dams and associated swale drains continue to achieve effective removal of Total Suspended Solids and Total Phosphorus, with removal efficiencies remaining consistent with or exceeding typical design expectations.

The inclusion of 2025–2026 monitoring data has resulted in an increase in the calculated average concentrations for Total Nitrogen, reducing the overall removal efficiency for this parameter. This change is largely influenced by elevated results recorded during the March 2026 monitoring round, which are considered atypical when compared to historical site data.

Retesting has been initiated to verify the accuracy and reliability of the March 2026 results and to confirm whether the elevated nutrient concentrations represent a genuine change in water quality performance or are attributable to sampling, handling, or analytical variability.

Overall, long-term monitoring indicates that the treatment system is functioning effectively, with variability in results influenced by site conditions such as rainfall, runoff dynamics, and episodic events.

7.4 Groundwater

7.4.1 Site Groundwater Description

Water is extracted from two (2) groundwater bores – Bore 1 and Bore 2 (see Figure 2), located in the deep 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 405.7 ML during the 2025-2026 reporting 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 twelve (12) piezometers intersecting the shallower Shepparton Formation located around the site, which include six (6) 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 (10) piezometers located near the PPU 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 (2) piezometers are located near residences 1 and 1 and monitor any impact on the shallow Shepparton Formation as a result of domestic effluent (sewage) irrigation.

7.4.2 Groundwater Compliance

Groundwater is managed in accordance with the Water Management Plan. The management strategies implemented during the reporting period include:

- Best management practices for chemical use and storage described in the OEMP.
- Ongoing groundwater monitoring activities are undertaken in accordance with the WMP.

7.4.2.1 Groundwater Levels and Quality

Groundwater monitoring was undertaken in September 2025 and March 2026 in accordance with the monitoring program.

Groundwater Level

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

Table 22 shows the groundwater level trigger values and **Table 23** shows the groundwater quality trigger level values.

Table 22 *Groundwater Level Trigger Values*

	Piezometer ID	Average water level (mTOC)	Trigger Level
Aquifer	Piezo 1 Deep	26.3	<2m from observed average
	Piezo 2 Deep	26.0	
	Piezo 3 Deep	26.0	
	Piezo 4 Deep	26.0	
	Piezo 5 Deep	25.9	
	Piezo 6 Deep	25.9	

Table 23 *Groundwater Quality Trigger Values*

Parameter	Units	Trigger Type Limits	Trigger Value
pH	-	Lower	6.5 ¹
		Upper	8.5 ¹
Electrical Conductivity	µS/cm	Upper	-
Total Dissolved Solids	mg/L	Upper	1200 ¹
Sodium	mg/L	Upper	180 ¹
Calcium	mg/L	Upper	-
Potassium	mg/L	Upper	-
Magnesium	mg/L	Upper	-
Sulfate	mg/L	Upper	250 ¹
Chloride	mg/L	Upper	250 ¹
Carbonate as CaCO ₃	mg/L	Upper	200 ¹
Bicarbonate as CaCO ₃	mg/L	Upper	200 ¹
Bicarbonate as CaCO ₃ (Piezo 4 Deep)	mg/L	Upper	233 ²
Total Organic Carbon	mg/L	Upper	-
Ammonia as N	mg/L	Upper	0.5 ¹
Ammonia as N (Piezo 4 Deep)	mg/L	Upper	0.8 ²
Nitrate as N	mg/L	Upper	50 ¹
Phosphorus	mg/L	Upper	-

¹ Australian Drinking Water Guidelines ((NHMRC, NRMCC), 2011.

² Site-specific trigger equivalent to the 90th percentile of observed monitoring data to end 2023.

7.4.2.2 Groundwater Level Results

A groundwater monitoring program is undertaken in accordance with the WMP. Groundwater levels from the piezometers installed within the shallow aquifer (Shepparton Formation) and deeper aquifer (are presented in **Table 24**). Long term groundwater level trends are shown in **Appendix E**.

Table 24 *Piezometer Water Levels*

Piezometer ID	Standing Water Level (mTOC ¹)		
	Sep-25	Mar-26	Baseline Trigger
Piezo 1 shallow	n/a ²	n/a ²	n/a
Piezo 1 Deep	24.9	28.0	26.3
Piezo 2 shallow	n/a ²	n/a ²	n/a
Piezo 2 Deep	27.0	26.8	26.0
Piezo 3 shallow	n/a ²	n/a ²	n/a
Piezo 3 Deep	25.3	26.5	26.0
Piezo 4 shallow	n/a ²	n/a ²	n/a
Piezo 4 deep	25.5	26.0	26.0
Piezo 5 shallow	n/a ²	n/a ²	n/a
Piezo 5 deep	25.3	25.1	25.9
Piezo 6 shallow	n/a ²	n/a ²	n/a
Piezo 6 deep	25.0	25.0	25.9

¹ metres below the top of casing (mTOC)

² piezometer dry

Table 24 shows the standing groundwater levels measured in the shallow and deep piezometers during the September 2025 and March 2026 monitoring events. Shallow piezometers were dry during both monitoring rounds and therefore no standing water levels were recorded for these locations.

Groundwater levels were recorded in six (6) deep piezometers during both monitoring periods. No exceedances of baseline trigger levels were recorded for either September 2025 or March 2026.

Between September 2025 and March 2026, groundwater levels showed minor variability across the deep piezometers. Increases in standing water levels were observed at Piezo 1 deep, Piezo 3 deep, and Piezo 4 deep, while slight decreases were recorded at Piezo 2 deep and Piezo 5 deep. Piezo 6 deep remained stable across both monitoring events.

The observed variations are considered consistent with normal groundwater fluctuations and are likely influenced by seasonal conditions and rainfall variability. Overall, groundwater levels remained within expected ranges and do not indicate any adverse groundwater impacts during the reporting period.

Groundwater level monitoring in the production bores is intended to target the deep aquifer (Calivil Formation). During the reporting period, it was not - possible to monitor groundwater levels in the production bores, as they are actively used for water supply and are not configured to allow direct measurement of standing water levels due to installed pumping infrastructure. Groundwater levels in the production bores were last monitored in 2015, as presented in **Table 25**.

Table 25 *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 (6) deep piezometers and two (2) production bores during the reporting period. The monitoring results are detailed in **Table 26**. Long term groundwater quality trends are shown in Appendix E.

Comparison against 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 (2) metres. There was no data showing the standing water level at the time of sampling for the two (2) production bores.

7.4.2.3 Groundwater Level Results

Groundwater quality was monitored at the six (6) deep piezometers and two (2) production bores during the reporting period. The monitoring results are detailed in Table 26. Long term groundwater quality trends are shown in Appendix E.

Piezometers in the Shepparton Formation:

Laboratory analysis of the pH, Electrical Conductivity (EC) and concentration of Total Dissolved Solids (TDS) in the groundwater from the six (6) deep piezometers are as follows:

- pH was in the range 6.5 to 7.3 during the reporting period, with an average value of 6.9, which is above the average of 6.78 recorded for the previous reporting period. All pH results recorded during September 2025 and March 2026 were within the ANZECC guideline range of 6.5 to 8.5. No pH trigger level exceedances were recorded at any deep piezometer during the reporting period. pH values were generally consistent across monitoring locations, with minor spatial and temporal variation considered typical of natural groundwater conditions.
- Electrical Conductivity (EC) of groundwater was in the range 238 to 507 $\mu\text{S}/\text{cm}$ during the reporting period, with an average value of approximately 351 $\mu\text{S}/\text{cm}$. This is slightly higher than the average of 336 $\mu\text{S}/\text{cm}$ recorded for the previous reporting period and is considered consistent with historical site conditions.

- Total Dissolved Solids (TDS) was in the range 116 to 236 mg/L during the reporting period, with an average value of approximately 185 mg/L. This is slightly higher than the average of 180 mg/L recorded for the previous reporting period, but remains within the applicable guideline value of 1,200 mg/L.

Laboratory analysis from the six (6) deep piezometers installed in the shallow Shepparton Formation aquifer includes the three (3) nutrient compounds of ammonia, nitrate and phosphorus. Results are summarised as follows:

- Concentrations of Ammonia as N was in the range 0.09 to 0.20 mg/L over the reporting period, with an average value of approximately 0.10 mg/L, which is significantly lower than the average of 0.45 mg/L recorded for the previous reporting period. Ammonia concentrations were low and consistent across all monitoring locations, with no values indicating elevated conditions or ongoing impacts.
- Concentrations of Nitrate as N was in the range of 0.2 to 0.8 mg/L over the reporting period, with an average of approximately 0.38 mg/L. This is lower/higher than the average of 0.29mg/L recorded for the previous reporting period. Values remain well below the relevant guideline level.
- Concentrations of phosphorus ranged from <0.01 to 1.15 mg/L with an average value of 0.22 mg/L. This is lower than the average of 0.45 mg/L recorded for the previous reporting period.

The results of laboratory analysis show that no exceedances of criteria were measured in the twelve (12) groundwater samples collected. As previously stated, all six (6) shallow piezometers installed in the shallow Shepparton Formation aquifer were found dry over the reporting period.

Piezometers in the Calivil Formation:

Laboratory analysis of the pH, EC and concentration of TDS in the groundwater from the two (2) production bores installed in the deep Calivil Formation aquifer are as follows:

- pH ranged from 6.6 to 6.8 over the reporting period, with an average value of 6.7, which is higher than the 6.53 average recorded for the previous reporting period. Values remained within the ANZECC guideline range.
- EC of groundwater ranged from 145 to 164 $\mu\text{S}/\text{cm}$ over the reporting period, with an average value of 154 $\mu\text{S}/\text{cm}$. This is slightly higher than the average of 151.5 $\mu\text{S}/\text{cm}$ recorded for the previous reporting period.

- The concentration of TDS ranged from 1.9 to 115 over the reporting period, with an average value of 65 mg/L. This is lower than the average of 167 mg/L recorded for the previous reporting period and remains within applicable criteria levels.

Laboratory analysis of the groundwater from the two (2) production bores installed in the deep Calivil Formation aquifer included the three (3) nutrient compounds of ammonia, nitrate and phosphorus. Results are summarised as follows:

- Ammonia as N concentrations were recorded as 0.09 mg/L over the reporting period.
- Nitrate as N concentrations were recorded as 0.09 mg/L over the reporting period.
- Phosphorus was in the range <0.01 mg/L to 0.32 mg/L over the reporting period.

Ammonia and Nitrate concentrations at this location remained low and consistent across both monitoring events. No applicable guideline limits apply to phosphorus.

The results of laboratory analysis show that pH values recorded during the reporting period were within acceptable limits, with no exceedances identified. Overall, the monitoring results do not indicate any potential impacts to groundwater from site activities.

Table 26 *Shallow Aquifer Piezometer Groundwater Monitoring Results (Shepparton Formation) and Deep Aquifer Production Bores (Calivil Formation)*

Piezo ID	Date	General Parameters			Major Ions						Nutrients		
		pH	EC	TDS	Sodium	Calcium	Potassium	Magnesium	Chloride	Sulfate	Ammonia as N	Nitrate as N	Phosphorus
		-	µS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Australian Drinking Water Guidelines ¹		6.5 – 8.5	-	1,200	180	-	-	-	250	200	0.5	50	-
Piezo 1 Deep	Sep-25	7.1	283	116	29.7	4.15	<2.0	2.94	11.1	11.2	0.1	0.2	<0.01
	Mar-26	6.7	238	152	39.5	5.03	<2.0	3.55	10.9	8.1	0.1	0.2	0.08
Piezo 2 Deep	Sep-25	6.9	507	165	30.8	11.1	2.0	7.81	39.0	18.5	0.1	0.8	0.07
	Mar-26	7.3	352	217	47.3	14.9	3.0	7.77	49.1	20.1	0.1	0.2	0.12
Piezo 3 Deep	Sep-25	7.0	475	234	56.2	10.7	<2.0	7.80	63.7	12.8	0.1	0.7	<0.01
	Mar-26	6.8	304	201	60.4	8.55	2.1	6.76	29.4	11.2	0.1	0.4	0.05
Piezo 4 Deep	Sep-25	7.0	378	208	53.7	9.74	2.0	8.28	31.6	16.8	0.1	0.34	0.1
	Mar-26	6.9	364	232	69.7	13.0	6.6	7.99	47.5	17.1	0.2	0.4	1.15
Piezo 5 Deep	Sep-25	6.6	272	145	30.9	10.3	<2.0	7.41	19.3	11.5	0.1	0.2	<0.01
	Mar-26	6.6	270	185	40.4	11.5	2.3	8.38	20.8	9.1	0.1	0.3	0.09
Piezo 6 Deep	Sep-25	6.6	389	186	41.3	13.4	<2.0	9.99	45.3	13.4	0.1	0.4	0.8
	Mar-26	6.5	375	236	57.7	15.9	2.9	11.9	44.1	12.7	0.1	0.3	0.12
Bore 1	Sep-25	6.8	160	1.9	13.7	6.13	<2.0	5.06	8.6	7.5	0.09	0.09	<0.01
	Mar-26	6.6	164	115	19.9	7.27	<2.0	4.88	9.2	6.5	0.09	0.09	0.08
Bore 2	Sep-25	6.7	145	29	13.2	6.29	<2.0	4.87	8.8	8.4	0.09	0.09	<0.01
	Mar-26	6.7	147	115	18.6	7.19	<2.0	4.11	9.6	6.0	0.09	0.09	0.32

¹Australian Drinking Water Guidelines ((NHMRC, NRMCC), version 3.2, 2022)

8.0 Visual Amenity and Rehabilitation

A *Landscape Management Plan* (LMP) (SLR2015d) 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 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.
- 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 of SSD 6882, all external lighting at ProTen Narrandera is mounted, screened and directed to avoid adverse impacts to neighbouring properties, roadways, and the surrounding environment. Lighting across the site is compliant with AS4282:2019 – Control of the Obtrusive Effects of Outdoor Lighting and is positioned to support operational safety without contributing to unnecessary light spill.
- No complaints were received during the reporting period in relation to visual amenity or external lighting. Existing controls remain effective in managing visual impacts, and no additional mitigation measures were required.
- Offset planting areas associated with biodiversity and carbon farming initiatives continue to provide supplementary visual integration benefits across the site, supporting both amenity and environmental performance outcomes (refer to **Sections 6.6** and **9.0**). These plantings not only enhance the site's visual presentation but also form part of ProTen's broader carbon farming strategy.
- A detailed review of planting performance, monitoring results, and offset area condition is provided in **Section 9.0**.

9.0 Carbon Farming

ProTen Narrandera has established a long-term carbon offset planting program in support of the development's sustainability commitments and broader environmental objectives. The carbon farming initiative is being delivered through a 200-hectare revegetation area comprising both direct seeding and tube stock planting, which commenced on 1 July 2022.

The planting contributes to carbon sequestration and aligns with the site's biodiversity offset obligations and Landscape Management Plan. The program is designed to achieve a minimum canopy cover of 20% across the offset area over time, with an estimated stem density target of 300 stems per hectare. Annual monitoring is undertaken by Cassinia Environmental to assess planting performance and guide adaptive management (See **Appendix G**).

9.1 Environmental Performance

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 ecological community (ECC) 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 was installed including temporary fencing to delineate and protect the area. The area was mapped by the Office of Environment and Heritage (OEH) (2011) as White Cypress Pine Open Woodland (equivalent to Sandhill Pine Woodland ECC) within the northwestern corner of the site (see **Figure 5**). A minimum 100 m buffer is maintained between the PPU footprint (including revegetation sites and vehicle access tracks), the boundary of areas of remnant vegetation and the Southwest Woodland Nature Reserve (see **Figure 5**). During the reporting period the Temporary Offset Area fencing was maintained and remains in good condition.

Offset planting areas associated with biodiversity and carbon farming initiatives continue to provide supplementary visual integration benefits across the site, supporting both amenity and environmental performance outcomes (refer to **Section 6.6**). These plantings not only enhance the site's visual presentation but also form part of ProTen's broader carbon farming strategy.

Seedling planting and direct seeding was completed on 1 July 2022. Cassinia Environmental last undertook formal monitoring of the Carbon Farming Trees at Narrandera on 6 & 7 March 2025. No additional formal monitoring was completed during the current reporting period.

During the reporting period, activities have focused on addressing the outcomes and recommendations from the March 2025 monitoring report. These actions have included ongoing

weed and pest management, informal monitoring of key sections of the offset area, and planning for infill planting in areas where establishment has been lower than expected.

Based on site observations and feedback from site personnel, some areas of the planting have not established as successfully as anticipated, with ongoing pressures from weed competition, kangaroo grazing, and stock ingress due to fencing limitations. These factors have influenced plant survival and growth in certain sections of the site.

Preparation works for infill planting are underway, with planting activities scheduled for the upcoming season. These works are intended to improve overall stem density and support the long-term performance of the planting in achieving canopy cover and carbon sequestration objectives.

Ongoing management efforts, including weed control, pest management, and improved site access controls, will continue to be implemented to support site recovery and improve establishment success across the offset area.

Photo 1: Diversity of species emerging on site (Cassinia Environmental, 2025 monitoring report)



Figure 5 *Monitoring Points for Transects (Cassinia Environmental, 2025 monitoring report)*



No updated monitoring imagery is available for the current reporting period; therefore, figures from the 2025 monitoring report are provided for reference.

10.0 Independent Environmental Audit

In accordance with Schedule 4, Condition C12 of SSD 6682, an Independent Environmental Audit (IEMA, 2024) was conducted for the period 1 December 2020 to 12 December 2023 and reported during the previous reporting period (May 2024). The IEA identified twenty-three (23) non-compliances during the IEA audit period. There are 18 corrective actions noted from the IEA, the status, recommendations and actions taken to date to address these are shown in **Table 27**. The next IEA will be undertaken in December 2026.

Table 27 *Response to IEA Corrective Actions / Recommendations*

NC Number	Condition Number	Recommendations of IEA	Action / Status
NC REC 1	A2	ProTen to include the additional unapproved office building in the SSD 6882 Modification application.	Item closed. See Section 4.3.
NC REC 2	A6	ProTen to apply for Modification due to the on-going non-compliance in the project exceeding production and population limits.	Mod. requested and approved 21 Mar 2024.
NC REC 3	A9	ProTen to engage certifiers and pursue an occupation certificate retrospectively for the completed shed 3 and new office at the site.	Item in-progress. See Section 4.3.
NC REC 4	B16	Update the induction process to require the Drivers Code of Conduct/Driver Inductions to be resigned annually in the online induction system and keep these records easily accessible.	The Drivers Code of Conduct was updated and approved as part of the OEMP (SLR, 2024).
NC REC 5	B27	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.	Roles and responsibilities are outlined within Section 3.2 of the OEMP (SLR, 2024).
NC REC 6	C1	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.	Traffic management and mitigation measures updated in the OEMP (SLR, 2024). Construction Consent conditions included in the OEMP (SLR, 2024).
NC REC 7	C15	Apply for a new Environmental Representative for Narrandera to the DPHI. Refer also to NC REC 5 to clearly outline the roles for the project.	ER appointed – item closed.
NC REC 8	R1.7	Once Annual Returns are submitted via the EPA's submission portal, request signatures on the	Annual Return submission

NC Number	Condition Number	Recommendations of IEA	Action / Status
		Certification statement to close out the Annual Return submission and retain signed copies as final copies.	documentation retained as signed copies per recommendation.

11.0 Complaints, Incidents and Non-Compliances

11.1 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.

11.2 Incidents

Development Consent SSD 6882 defines an "incident" as, "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".

All environmental incidents are managed in accordance with the *Environmental Incidents Management System* as detailed in the OEMP.

There were two (2) incidents that occurred at ProTen Narrandera during the reporting period.

1. Heat-related bird mortality event (February 2026)

An incident involving elevated bird mortality occurred at Farm 75 and Farm 77 between 9 February 2026 and 13 February 2026. During this period, significantly higher than normal mortality rates were experienced, likely associated with Transient Paralysis (TP) during extreme weather conditions.

A total of 130,941 mortalities were recorded at Farm 77 and 39,256 at Farm 75. Due to the volume of mortalities over a short period, the Renderieng Plant was unable to accept all carcasses, and deceased birds were transported to Wormtech, a licensed composting facility approved to receive broiler mortalities.

The volume of mortalities exceeded site handling capacity, resulting in delays in removal and some decomposition of carcasses. The Pollution Incident Response Management Plan (PIRMP) was activated on 13 February 2026, and the incident was reported to the Environment

Protection Authority (EPA) and the Department of Planning, Housing and Infrastructure (DPHI) in accordance with the consent requirements.

Immediate actions included deployment of additional labour to support carcass removal, arranging increased transport capacity, culling birds displaying symptoms of TP, and adjustments to ventilation systems and management practices.

The root cause of the incident remains under investigation. The Department has recorded the incident and requested that it be documented in this Annual Review, including actions taken to prevent re-occurrence.

2. Dead bird waste spill during transport (February 2026)

An incident involving the spill of dead bird waste occurred on 14 February 2026 during transport to a licensed composting facility. At approximately 06:30am, dead bird waste (liquid and solid) was being transported by a contractor when the rear trailer gate partially opened, resulting in waste being released onto public roads.

The spill commenced at the Darlington Point Bridge on Carrington Road and continued intermittently through the Darlington Point township and along the Sturt Highway towards the receiving facility, impacting an approximate distance of 39km.

The load was collected on 13 February 2026 but was unable to be delivered the same day due to early closure of the receiving facility and was held overnight at the contractor's depot. A pre-start inspection was undertaken prior to departure; however, the trailer tailgate was subsequently identified as having opened during transit. A mechanical fault with the locking mechanism is considered the likely cause of the incident.

The incident was reported to the Environment Protection Authority (EPA) on 14 February 2026.

Murrumbidgee Shire Council undertook clean-up works within the township using street sweeping and water trucks, while ProTen personnel conducted additional clean-up along the Sturt Highway. All recovered waste was collected and transported to the licensed facility on the same day.

Corrective actions include reinforcement of the Bird Mortality Management Plan across the site, including a requirement for mortalities to be retained on site until access to an authorised disposal facility is confirmed. Additional controls have also been implemented for transport contractors, including requirements for enhanced load security measures (such as

secondary tailgate securing mechanisms beyond standard mechanical closures), strict adherence to designated transport pathways, and improved incident notification procedures.

The incident has been recorded by the Department of Planning, Housing and Infrastructure and included in this Annual Review in accordance with consent requirements.

10.3 Non-Compliances

Non-compliances and exceedances related to SSD 6882, EPL 20748, and relevant management plans are reported in **Table 28**.

Table 28 *Non-Compliances and Exceedances*

Condition Number	Non-Compliance	Summary / Status	Details/Response	Corrective Action
SSD 6882 MOD 1 Condition A6(d)	The Applicant shall ensure that: (d) no more than 16 poultry sheds are to be populated by broilers each day.	Non-Compliant	On 9 occasions during the reporting period greater than 16 sheds were populated with broilers	Consultation with processor
SSD 6882 MOD 1 Condition A9	The Applicant shall ensure that all buildings and structures are constructed and certified in accordance with relevant approvals and legislative requirements.	Non-compliant	Shed 3 (Farm 79) does not yet hold an Occupation Certificate (OC) and remains uncertified. Previous reporting incorrectly described the structure; this has now been corrected.	ProTen is progressing issuance of the Occupation Certificate to achieve compliance.
SSD 6882 MOD 1 Schedule 3 Condition B45 f (iii)	The surface water quality limits in the WMP were exceeded.	Non-Compliant	Surface water quality triggers were exceeded at different PPU's in 7 parameters during September 2025 and 15 parameters during March 2026. Retesting has been initiated for the March 2026 monitoring event to confirm the accuracy	WMP reviewed and awaiting approval from the Department.

Condition Number	Non-Compliance	Summary / Status	Details/Response	Corrective Action
			and reliability of the dataset.	
SSD 6882 Schedule 4 Conditions C9 and C10 / EPL 20748	Incident reporting requirements: The Applicant shall notify the Secretary within 24 hours of an incident and provide a written report within 7 days.	Non-Compliant	For the February 2026 incidents, notification to DPHI was not undertaken within 24 hours of becoming aware of the incidents. In addition, the written report for the waste spill incident was not submitted within the required 7-day timeframe.	Internal procedures to be reviewed to ensure all relevant agencies are notified within required timeframes and reporting deadlines are met.

12.0 Activities to be Completed During Next Reporting Period

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

- Ongoing consultation is underway with DPHI Water regarding approval of the Water Management Plan (WMP), as part of the current RFI process..
- ProTen Narrandera to continue operating its Carbon Offset Project per recommendations below:
 - Continued weed and pest management, particularly in areas with high grass and fleabane cover.
 - Ongoing monitoring of offset areas to assess vegetation establishment and response to seasonal conditions.
 - Infill planting in low-density areas to improve vegetation coverage and overall canopy development.
 - Maintenance and repair of fencing to prevent unauthorised livestock access and minimise disturbance.
 - Continued site access control to avoid soil compaction and disturbance within offset areas.
- Surface water and groundwater monitoring will be undertaken in accordance with the approved WMP.
- Routine maintenance of existing fencing and landscape buffers as part of the Landscape Management Plan.
- Proten to continue to keep website updated with current versions of management plans and other required documentation;

13.0 References

- Australian Poultry CRC (2008) *National Animal Welfare Standards for the Chicken Meat Industry*
- Aitken Rowe Groundwater and Surface Water Monitoring – September 2025 and March 2026.
- Aitken Rowe (2018) *Geotechnical Investigation – Existing Sediment Ponds, Existing Poultry Farms 75 to 79, Sturt Highway, Euroley, NSW*
- Cassinia Environmental – *ProTen Narrandera – 32 Month Post Planting Monitoring Report* (March 2025)
- Landcom NSW (2004) *Managing Urban Stormwater: Soils and 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*

Appendix A Development Consent SSD 6882 MOD1

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.

CONSOLIDATED CONSENT

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.

CONSOLIDATED CONSENT

DEFINITIONS

Act, the	<i>Environmental Planning and Assessment Act, 1979</i>
Applicant, the	ProTen Limited, or anyone else entitled to act on this consent
BCA	<i>Building Code of Australia</i>
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 <i>Environmental Planning and Assessment Act 1979</i> 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, " <i>Euroley Poultry Production Complex – SSD 6882</i> ", prepared by SLR Consulting Australia Pty Ltd, dated 20 May 2015
EPA	Environment Protection Authority
EPL	Environment Protection Licence under the <i>Protection of the Environment Operations Act 1997</i>
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 <i>Heritage Act 1977</i> , and assessed as being of local, State and/ or National heritage significance, and/or an Aboriginal

CONSOLIDATED CONSENT

	Object or Aboriginal Place as defined under the <i>National Parks and Wildlife Act 1974</i>
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	<i>Protection of the Environment Operations Act 1997</i>
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	<i>Environmental Planning and Assessment Regulation 2000</i>

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RMS	Roads and Maritime Services
RTS	Response to Submissions titled, “ <i>Euroley Poultry Production Complex (SSD 6882), Response to Submissions</i> ”, 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

FOR INFORMATION

CONSOLIDATED CONSENT

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.

CONSOLIDATED CONSENT

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 or 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 within its own allotment. Evidence of lodgement with the Lands Title Office to be submitted to the Certifying Authority prior to any Occupation Certificate for the development.

CONSOLIDATED CONSENT

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.

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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

CONSOLIDATED CONSENT

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

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- 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 form 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.

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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.

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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;

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- (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 1×10^{-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 banded 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

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- 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 known 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.

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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.

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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).

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- 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;

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- (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;

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- (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 Environment 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.

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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: - Monday to Friday, 7.00 am to 6.00 pm; - Saturday, 8.00 am to 1.00 pm; and - 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	

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- 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 <i>Austrroads Guide to Road Design, Part 4A: Unsignalised and Signalised Intersections</i>. - 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 <i>Pesticides Act 1999</i>. - 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 <i>Minimum Construction Requirements for Water Bores in Australia</i> (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

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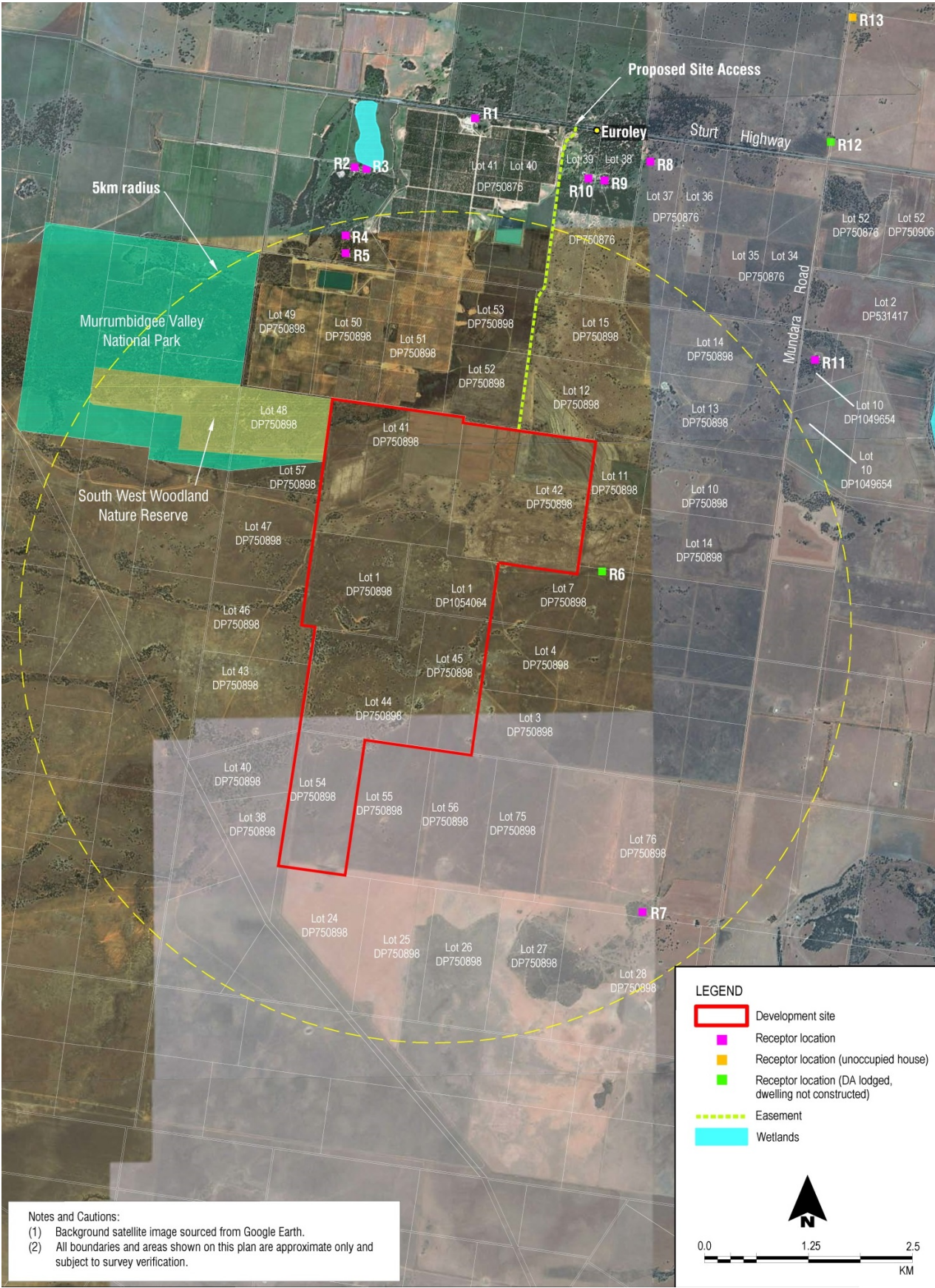
- Erosion and sediment control measures will be installed and maintained to prevent the erosion and sedimentation impact on any areas downstream supporting remnant vegetation. - Weed management practices will be implemented to minimise the spread of exotic species into natural areas within the site. - 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 <i>National Animal Welfare Standards for the Chicken Meat Industry</i> (Barnett et al, 2008). - ProTen will implement a suite of biosecurity measures in accordance with the <i>National Farm Biosecurity Manual for Chicken Growers</i> (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

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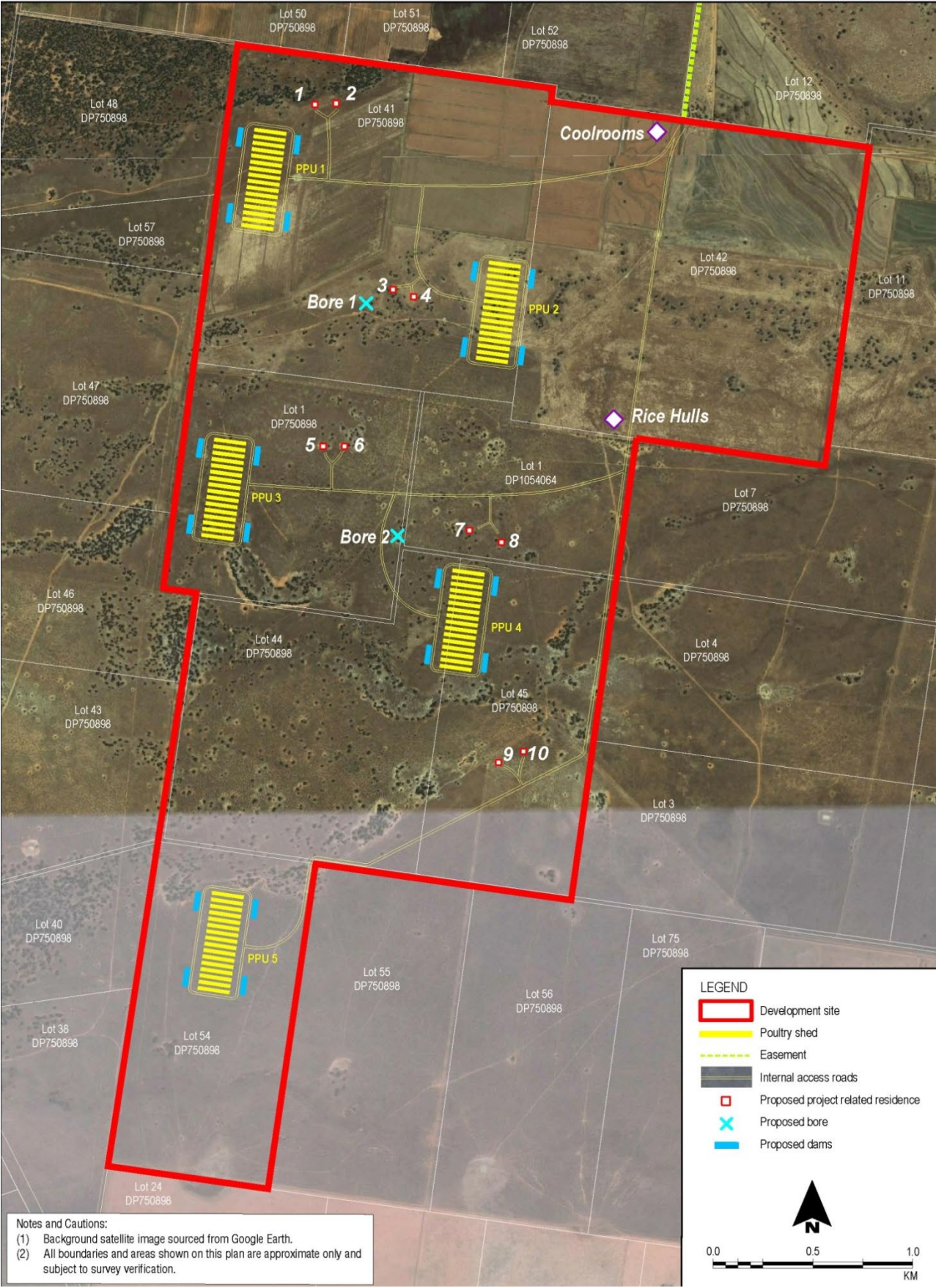
Greenhouse Gas and Energy Efficiency	
• Low lux internal shed lighting will be installed within the poultry sheds. • External shed lighting will only be used when necessary during times of low light and/or heavy fog. • The integrity of the poultry sheds will be regularly checked in order to identify 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

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APPENDIX 2: SITE PLANS

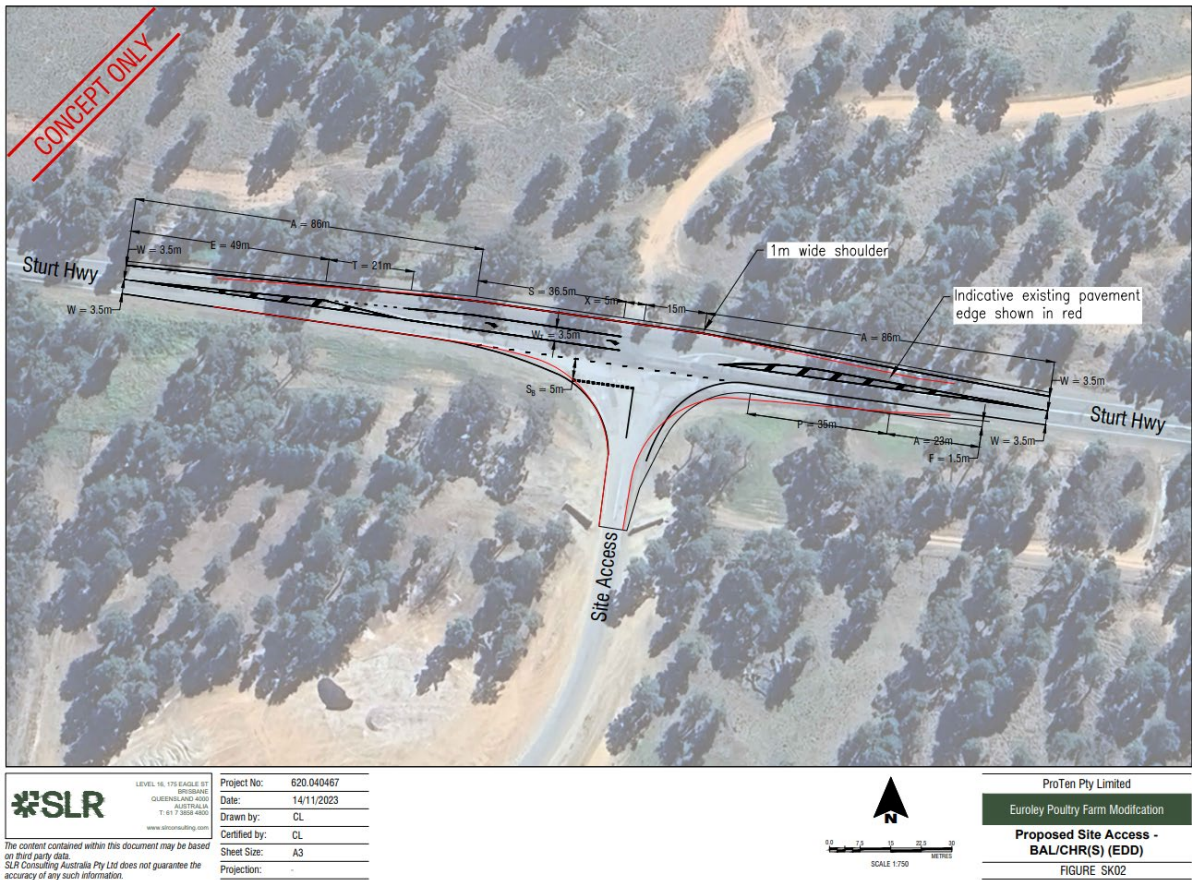


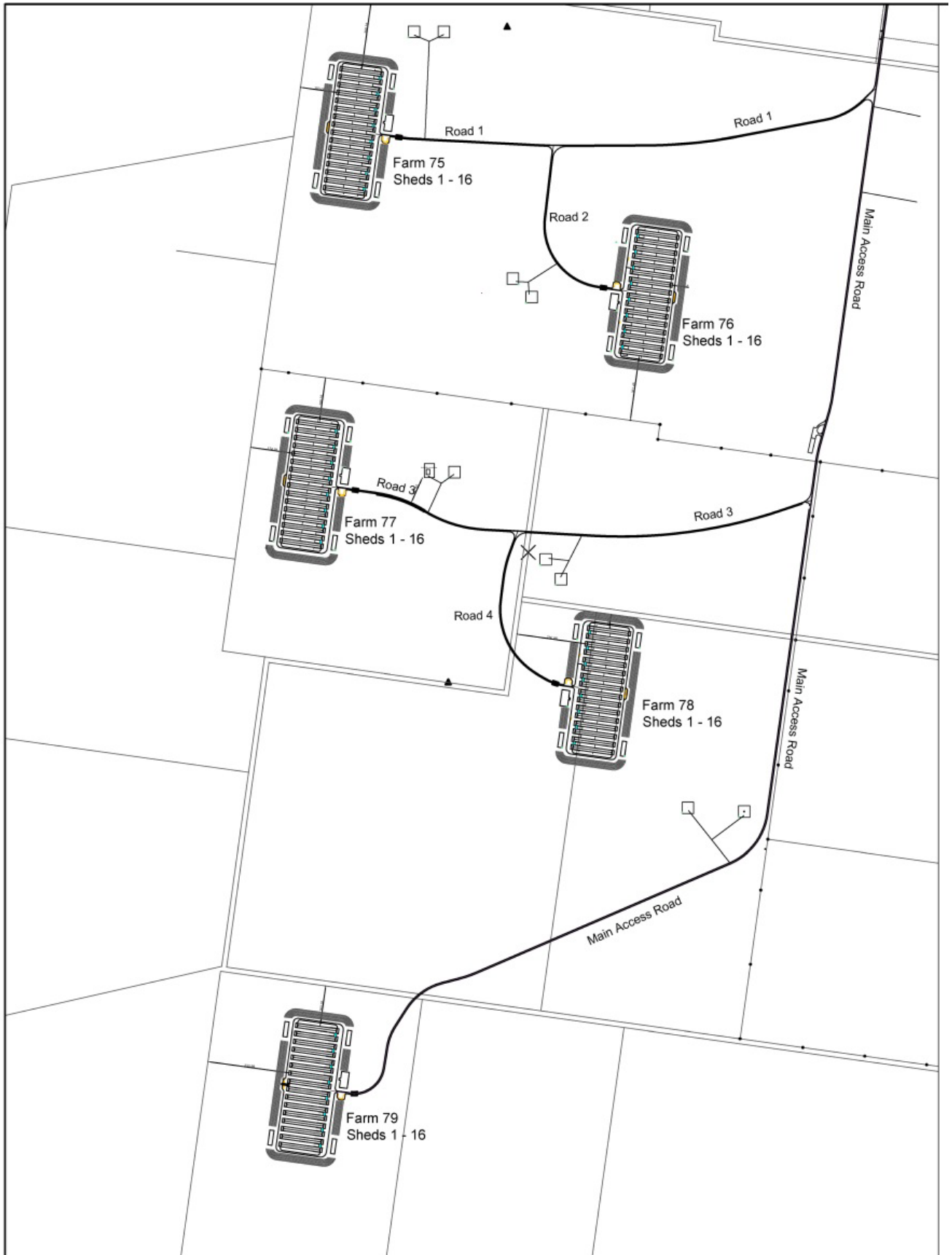
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APPENDIX 3: INTERSECTION PLAN





Appendix B EPL 20748



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

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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).



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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.



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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



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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

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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



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EPA identi- fication 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 4,460,800
- L4.2 All waste water treatment, storage and terminal ponds must have a minimum pond base and wall permeability

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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 Waste management

- O4.1 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 ≤ 4 degrees Celsius.

- O4.2 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.



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O4.3 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



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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.



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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

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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.



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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.

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- 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.



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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 <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
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 <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
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



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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 Environment 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 described 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 months. 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 <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .



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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
3	Licence varied by notice	1640839 issued on 18-Sep-2024

Appendix C WAL 11788

CERTIFICATE OF TITLE

WATER MANAGEMENT ACT, 2000



WAL TITLE REFERENCE	
WAL11788	
EDITION	DATE OF ISSUE
6	6/8/2019
CERTIFICATE AUTHENTICATION CODE	
FS5F-2G-NZG3	

This certificate is issued under s87B of the Water Management Act, 2000.



WARNING NOTE: INFORMATION ON THIS REGISTER IS NOT GUARANTEED

TENURE TYPE: CONTINUING

HOLDER(S)

PROTEN HOLDINGS PTY LIMITED

(T AJ370617)

ENCUMBRANCES

1. TERM TRANSFER: NIL

ACCESS LICENCE DETAILS

CATEGORY: AQUIFER

SHARE COMPONENT:

SHARE - 488 UNITS

WATER SOURCE - LOWER MURRUMBIDGEE DEEP GROUNDWATER SOURCE

WATER SHARING PLAN - LOWER MURRUMBIDGEE GROUNDWATER SOURCES 2003

EXTRACTION COMPONENT:

TIMES/RATES/CIRCUMSTANCES - SUBJECT TO THE CONDITIONS OF THE WATER

ACCESS LICENCE

EXTRACTION FROM - AQUIFER

EXTRACTION ZONE - WHOLE WATER SOURCE

NOMINATED WORKS:

WORK APPROVAL NUMBER(S) - 40MW416715

INTERSTATE TAGGING ZONE - NIL

CONDITIONS

LICENCE CONDITIONS FORM A PART OF THIS LICENCE AND AFFECT THE SHARE
AND EXTRACTION COMPONENTS. CONDITION STATEMENTS ARE AVAILABLE FROM
WATERNSW

NOTES

A WATER LICENCE INFORMATION SHEET IS AVAILABLE FROM THE WATERNSW
WEBSITE AND SHOULD BE REFERRED TO IN INTERPRETING THIS LICENCE.
WATERNSW PHONE 1300 662 077, EMAIL CUSTOMER.HELPDESK@WATERNSW.COM.AU
LICENCE REFERENCE NUMBER: 40AL403630
PREVIOUS WATER ACT LICENCE NUMBER(S): 40PT930282, 40BL186236.

**** END OF CERTIFICATE ****

ANY ATTEMPT TO ALTER THIS CERTIFICATE COULD RESULT IN HEAVY FINES OR IMPRISONMENT (S.141 REAL PROPERTY ACT).

Water Access Licence Certificate

Water Access Licence Certificate

Appendix D Surface Water Long Term Data

		General			Nutrients			
Site	Date Sampled	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
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	11/01/2018	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
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		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	03-Dec-19	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	
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	24-Sep-21	7.3	290	318	-	-	<1	0.18	
PPU1		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	04-May-22	7.4	254	30	5	6	0.7	0.88	
PPU1		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	09-Sep-22	6.9	170	7	3	4	1	<0.1	
PPU1		7	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	15-Mar-23	7.3	190	24	4	6	2.4	0.7	
PPU1		6.7	220	88	2	2	0.4	0.15	
PPU2		8.8	245	55	7	7	0.4	0.23	
PPU3		8.4	255	20	4	6	2	0.42	
PPU4		9.2	200	11	3	3	0.1	0.21	
PPU5	23-Sep-23	8.5	204	10	2	3	1.4	0.32	
PPU1		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	20-Mar-24	7.3	267	32	10	11	1	1.99	
PPU1		6.3	312	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	24-Sep-24	6.8	306	83	3	4	0.5	0.87	
PPU1		8.5	324	28	2	3	1	1.16	
PPU2		7.5	211	40	6	8	2.1	1.34	
PPU3		7.6	273	25	3	4	0.9	1.24	
PPU4		7.6	244	52	5	6	1.2	1.1	
PPU5	25-Mar-25	7.8	298	49	4	9	4.8	1.31	
PPU1		7.3	454	224	3	3	0.3	2.13	
PPU2		7.2	252	253	5	5	0.4	1.36	
PPU3		7.6	259	49	2	2	0.5	0.96	
PPU4		7.1	306	183	4	9	4.9	1.2	
PPU5	24-Sep-25	8.4	452	268	2	3	1.1	1.06	
PPU1		7.8	489	53	7	8	1.3	2.1	
PPU2		7.5	253	52	5	6	0.9	1.5	
PPU3		7.6	319	33	5	6	1.1	1.01	
PPU4		7.6	302	52	2	6	4.2	1.91	
PPU5	12-Mar-26	7.4	308	74	<2	4	4.2	2.3	
PPU1		8.5	801	202	121	121	0.3	3.25	
PPU2		7.3	261	37	9	10	0.9	0.84	
PPU3		8.3	491	70	72	73	1.2	0.77	
PPU4		8.1	524	26	62	64	2	1.3	
PPU5	12-Mar-26	7.9	401	15	43	44	1.4	0.54	
MIN		6.3	67	4	2	2	0.1	0.1	
MAX		9.7	862	6160	121	80	14	3.7	
AVERAGE		7.6	311.1	309.7	8.1	7.5	1.7	0.9	

Appendix E Groundwater Long Term Data

Piezo ID		General Parameters					Major Ions					Alkalinity Carbonate as CaCO3	Nutrients				Misc
		pH	Electrical Conductivity uS/cm	Total Dissolved Solids mg/L	Sodium mg/L	Calcium mg/L	Potassium mg/L	Magnesium mg/L	Chloride mg/L	Sulphate mg/L	Ammonia as N mg/L		Nitrate as N mg/L	Phosphorus mg/L	Total organic carbon mg/L		
																-	
ANZECC Guidelines		6.5 - 8.5	-	1,200	180	-	-	-	250	250	200	0.5	50	-	-		
Piezo 1 Deep	Apr-16	7.1	253	215	39	8.7	3	4.7	13	5	2	0.1	1	0.11	11		
	Oct-16	7.2	190	148	33.3	4.4	2.3	3.2	13.3	5	2	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	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	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	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	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	-	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	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	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	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	-	22	0.5	0.19	0.7		
	Sep-19	7.5	189	142	40.8	3.9	1.7	2.3	13	6	2	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	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	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	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		
	Sep-24	6.8	198	153	29.9	4.34	<2.0	3.32	11.5	3	<2	<0.1	0.1	0.1	0.8		
	Mar-25	7.2	306	152	40	4	2.1	2.88	9.9	3	<2	<0.1	0.2	0.16	0.8		
	Sep-25	7.1	283	116	29.7	4.15	<2	2.94	11.4	11.2	<2	<0.1	0.2	<0.01	<0.5		
	Mar-26	6.7	238	152	39.5	5.03	<2	3.55	10.9	8.1	<2	<0.1	0.2	0.08	<0.5		
	Avg	7.4	205.0	142.9	32.4	4.4	1.7	3.0	14.9	5.0	2.0	1.3	0.5	0.1	1.2		
Piezo 2 Deep	Apr-16	7.1	305	220	49	9.2	3.4	5.7	22	5	2	0.1	1	0.12	5		
	Oct-16	6.9	179	141	17.2	-	1.1	3.5	69.1		2	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	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	0.1	0.5	0.05	1.4		
	Sep-17	7.1	269	200	35.4	6.9	1.7	5.6	20.5	4.8	2	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	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	-	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	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	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	0.1	1	0.09	0.5		
	Jun-19	7.4	271	204	52	6.9	2	4.7	19.3	4.1	-	34	0.5	0.09	0.6		
	Sep-19	7.3	281	219	61.1	6.5	2.8	4.5	19	7	2	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	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	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	0.1	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		
	Sep-24	6.9	188	115	24.2	6.09	<2.0	4.81	13.6	3	<2	<0.1	0.2	0.06	0.7		
	Mar-25	6.9	289	155	34.2	7.38	2.6	5.55	21.4	5	<2	<0.1	0.3	0.14	1.2		
	Sep-25	6.9	507	165	30.8	11.1	2	7.81	39	18.5	<2	<0.1	0.8	0.07	0.6		
	Mar-26	7.3	352	217	47.3	14.9	3	7.77	49.1	20.1	<2	<0.1	0.2	0.12	0.6		
	Avg	7.2	301.6	197.7	45.6	7.6	2.2	5.2	24.4	7.1	2.0	1.8	0.6	0.1	0.9		
Piezo 3 Deep	Apr-16	7.2	278	194	41	11.4	4.9	6.7	17	5	2	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	0.1	1	0.03	6.5		
	Mar-17	7	182	132	27.2	5.7	1.2	4.6	14	3.4	2	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	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	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	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	-	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	0.1	0.5	0.1	0.6		
	Dec-18	8	177	137	25	5.9	1.4	4.6	12.6	3.8	2	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	0.1	1	0.01	0.6		
	Jun-19	7.2	174	149	29.3	7.3	2.6	5.1	12.6	3	-	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	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	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	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	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											

Piezo 4 Deep	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	-	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	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	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	0.7	1	1.27	0.5
	Jun-19	7	489	303	93.3	15.4	6.3	11.8	54.3	12.7	-	0.6	0.5	2.39	0.8
	Sep-19	7.2	526	378	114	15.6	5.8	11.3	62	10	2	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
	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	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	<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
	Mar-24	6.4	377	298	59.8	12	6	9.55	25.5	7	2	0.1	0.4	0.31	0.9
	Sep-24	7	480	120	73.6	12	4.1	9.45	72.3	8	<2	3	0.5	0.54	1.5
	Oct-24 (Sep Retest)	7.1	548	285	78.6	11.4	2.1	10.2	85.4	8	<2	<0.1	0.5	0.03	<0.5
	Mar-25	6.7	378	101	73.9	8.97	3.1	8.05	37.8	7	<2	<0.1	0.5	0.21	1
	Sep-25	7	378	208	53.7	9.74	2	8.28	31.6	16.8	<2	<0.1	0.4	0.1	0.9
	Mar-26	6.9	364	232	69.7	13	6.6	7.99	47.5	17.1	<2	0.2	0.4	1.15	0.7
	Avg	7.0	501.0	316.6	79.0	14.1	4.7	17.6	56.5	10.8	2.0	0.7	0.6	0.8	1.4
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
	Sep-23	7.5	545	349	96.8	13.8	2.7	10.6	33	20.7	2	0.1	0.1	0.31	0.5
	Mar-24	6.4	377	298	59.8	12	6	9.55	25.5	7	2	0.2	0.4	0.31	0.9
	Avg	7.0	492.3	316.0	74.5	12.9	5.3	12.4	49.5	13.9	2.0	0.7	0.5	0.4	1.0
Piezo 5 Deep	Apr-16	6.9	273	214	37	11.7	3.3	7.9	12	5	2	0.1	1	0.07	2.2
	Oct-16	6.7	178	139	17.7	-	1.2	3.7	13.7	-	2	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	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	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	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	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	-	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	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	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	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	-	0.1	0.5	0.16	1
	Sep-19	7.1	238	173	42.2	9.2	2.7	5.9	14	5	2	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	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
	Apr-21	6.9	236	195	40	9.26	2.9	6.49	10.8	2.6	2	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
	Mar-24	6.6	284	182	34.7	12	3.2	9.01	12	6	2	0.1	0.3	0.1	0.8
	Sep-24	6.7	271	133	34.5	10.7	<2.0	7.92	18.8	4	<2	0.3	0.2	0.07	1.1
	Mar-25	6.4	276	179	43	10.7	2.6	8.11	20.2	4	<2	<0.1	0.3	0.14	1.1
	Sep-25	6.6	272	145	30.9	10.3	<2	7.41	19.3	11.5	<2	<0.1	0.2	<0.01	0.6
	Mar-26	6.6	270	185	40.4	11.5	2.3	8.38	20.8	9.1	<2	<0.1	0.3	0.09	0.6
	Avg	6.9	256.3	179.7	33.8	9.7	3.4	6.8	18.0	6.7	2.0	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	0.1	1	0.15	5.2
	Oct-16	6.6	252	179	24.8	-	2	6.1	12.6	-	2	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	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	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	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	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	-	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	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	0.1	0.5	0.07	0.8
	Mar-19	7	344	240	48.3	10.4	3	6.3	36	7.1	2	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	-	0.9	0.5	0.12	0.7
	Sep-19	7	338	220	56.9	12.6	2.9	8.3	43	5	2	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	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	<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
	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
	Mar-24	6.6	379	227	35.5	12.5	3.2	8.22	27.1	6	2	0.1	0.3	0.1	1
	Sep-24	6.6	379	227	46.6	15	2	10.6	47.9	5	<2	<0.1	0.3	0.06	0.8
	Mar-25	6.5	404	242	62.2	14.1	3.1	10.2	53.8	10	<2	<0.1	0.3	0.1	1
	Sep-25	6.6	389	186	41.3	13.4	<2.0	9.99	45.3	13.4	<2	<0.1	0.4	<0.01	0.8
	Mar-26	6.5	375	236	57.7	15.9	2.9	11.9	44.1	12.7	<2	<0.1	0.3	0.12	0.8
	Avg	6.8	349.1	228.1	44.9	12.9	2.6	8.7	37.1	6.7	2.0	0.2	0.7	0.1	0.9

Appendix F Agency Correspondence

Department of Planning, Housing and Infrastructure

NSW Planning ref: SSD-6882-PA-39

Ms Kristie Stevens
SHEQ Coordinator
PROTEN PTY LIMITED
16/09/2025

Sent via the Major Projects Portal only

Subject: Euroley Poultry Production Complex – Annual Review 2024-25

Dear Ms Stevens

I refer to the Annual Review for the reporting period from 1 May 2024 to 30 April 2025 for Euroley Poultry Production Complex (the development), submitted for the Planning Secretary's consideration, as required under Schedule 4, Condition C8 of development consent SSD 6882, as modified (the consent).

The NSW Department of Planning, Housing and Infrastructure (NSW Planning) considers that the Annual Review generally satisfied Condition C8 of the consent. Please note that approval of this Annual Review is not endorsement of the compliance status of the development.

NSW Planning has assessed non-compliances with Schedule 2, Conditions B5 and B45, in accordance with NSW Planning's Compliance Policy and in this instance has determined to record the breaches in our system. At this stage, no further enforcement action is proposed. Please be aware that recording of these breaches does not preclude NSW Planning from taking alternative enforcement action(s), if it becomes apparent that an alternative response is more appropriate.

Please also note that these non-compliances will be taken into consideration in the assessment of any future breaches of the consents, in accordance with NSW Planning's Compliance Policy. A copy of the Compliance Policy is available at
<https://www.planning.nsw.gov.au/sites/default/files/2023-02/compliance-policy.pdf>.

I note non-compliance with Schedule 2, Condition A9 was previously reported and considered by NSW Planning during the review of the Independent Environmental Audit Report for the reporting period from 1 December 2020 to 12 December 2023.

I also note non-compliance with Schedule 2, Condition A6 d) and advise that this non-compliance will be followed up separately by NSW Planning.

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.

Lastly, in accordance with Schedule 4, Condition C14 of the consent, please make the copy of the Annual Review, available on the company website, within one month from the date of this letter, including any other documents as required under Condition C14 and also ensure that these documents are up-to-date.

Department of Planning, Housing and Infrastructure

Should you need to discuss the above, please contact Georgia Dragicevic, Senior Compliance Officer, on (02) 4247 1852 or by email to Georgia.Dragicevic@planning.nsw.gov.au.

Yours sincerely

A handwritten signature in black ink, appearing to read "Rowe", on a light-colored background.

Jennifer Rowe
A/Team Leader Compliance - South
Compliance

As nominee of the Planning Secretary

Department of Planning, Housing and Infrastructure

Reference: SSD-6882-PA-40

Ms Kristie Stevens
SHEQ Coordinator
PROTEN PTY LIMITED
26/02/2026

Sent via the Major Projects Portal only

Subject: Euroley Poultry Production Complex - Bird mortality incident notification

Dear Ms Stevens

I refer to the incident notification for Euroley Poultry Production Complex (the development), submitted for the Planning Secretary's consideration, in accordance with Schedule 4, Condition C10 of development consent SSD 6882 (the consent) regarding elevated bird mortality at Farm 75 and Farm 77 between 10 February 2026 and 13 February 2026.

I note:

- recorded mortalities at Farm 77 were 130,941 birds and at Farm 75 were 39,256 birds;
- recorded mortalities were due to Transient Paralysis in the flock;
- due to the large number of mortalities occurring within a short period of extreme weather, the Rendering Plant was unable to accept the volume of deceased birds. Consequently, dead birds were transported to Wormtech (Lic. #20775), a licensed composting facility approved to receive broiler bird mortalities; and
- the incident was also reported to the Environment Protection Authority (EPA Ref #45501), who as lead investigation agency may send further correspondence.

The incident has been recorded by the Department of Planning, Housing and Infrastructure (the Department). However, the recording of the incident does not preclude the Department from taking alternative action, should it become apparent that an alternative response is more appropriate.

Lastly, please ensure you record the incident, including a status on any actions taken to prevent from future occurrences, in the next Annual Review, in accordance with Schedule 4, Condition C8 of the consent.

Department of Planning, Housing and Infrastructure

Should you need to discuss the above, please contact Georgia Dragicevic, Senior Compliance Officer, on (02) 4247 1852 or by email to Georgia.Dragicevic@planning.nsw.gov.au.

Yours sincerely

A handwritten signature in black ink, appearing to read "K. O'Reilly", enclosed in a thin black rectangular border.

Katrina O'Reilly
Team Leader - Compliance
Compliance
As nominee of the Planning Secretary

Department of Planning, Housing and Infrastructure

Reference: SSD-6882-PA-41

Ms Kristie Stevens
SHEQ Coordinator
PROTEN PTY LIMITED
26/02/2026

Sent via the Major Projects Portal only

Subject: Euroley Poultry Production Complex - Dead bird waste spill incident notification

Dear Ms Stevens

I refer to the incident notification for Euroley Poultry Production Complex (the development), submitted for the Planning Secretary's consideration, in accordance with Schedule 4, Condition C10 of development consent SSD 6882 (the consent) regarding dead bird waste spill along public roads on 14 February 2026.

I note:

- dead bird waste spill occurred whilst transporting dead birds to Wormtech (Lic. #20775), a licensed composting facility approved to receive broiler bird mortalities, following broiler bird mortalities from 10 to 13 February 2026 due to Transient Paralysis in the flock;
- a bump on the Darlington Point Bridge may have contributed to the tailgate releasing during transit, allowing dead bird waste to spill onto public roads;
- dead bird waste spill began at the Darlington Point Bridge on Carrington Road and continued intermittently through Darlington Point township and along the Sturt Highway towards Wormtech;
- Murrumbidgee Shire Council cleaned affected areas within the township and waste along the Sturt Highway was cleaned by Proten staff;
- the incident was also reported to the Environment Protection Authority (EPA Ref: EPA202602148), who as lead investigation agency may send further correspondence.

The incident has been recorded by the Department of Planning, Housing and Infrastructure (the Department). However, the recording of the incident does not preclude the Department from taking alternative action, should it become apparent that an alternative response is more appropriate.

Lastly, please ensure you record the incident, including a status on any actions taken to prevent from future occurrences, in the next Annual Review, in accordance with Schedule 4, Condition C8 of the consent.

Department of Planning, Housing and Infrastructure

Should you need to discuss the above, please contact Georgia Dragicevic, Senior Compliance Officer, on (02) 4247 1852 or by email to Georgia.Dragicevic@planning.nsw.gov.au.

Yours sincerely

A handwritten signature in black ink, appearing to read "K. O'Reilly", enclosed in a light grey rectangular box.

Katrina O'Reilly
Team Leader - Compliance
Compliance
As nominee of the Planning Secretary

From: [Kate Wiggins](#)
To: [James Wentworth](#); [Graham Kirby](#); [Nathan Reynolds](#)
Cc: [Kristie Stevens](#)
Subject: Fw: REF-NO-45541 Report to NSW EPA 14/02/2026
Date: Monday, 16 February 2026 9:37:32 AM
Attachments: [webwbEPALogo_Dark_Blue.png](#)
[Outlook-533oamc5](#)
[Outlook-2lumkvc3.png](#)

Good Morning everyone,

Just copying you into the confirmation from the EPA regarding the incident on Saturday.

Kind Regards

Kate Wiggins

National SHEQ Manager



ProTen

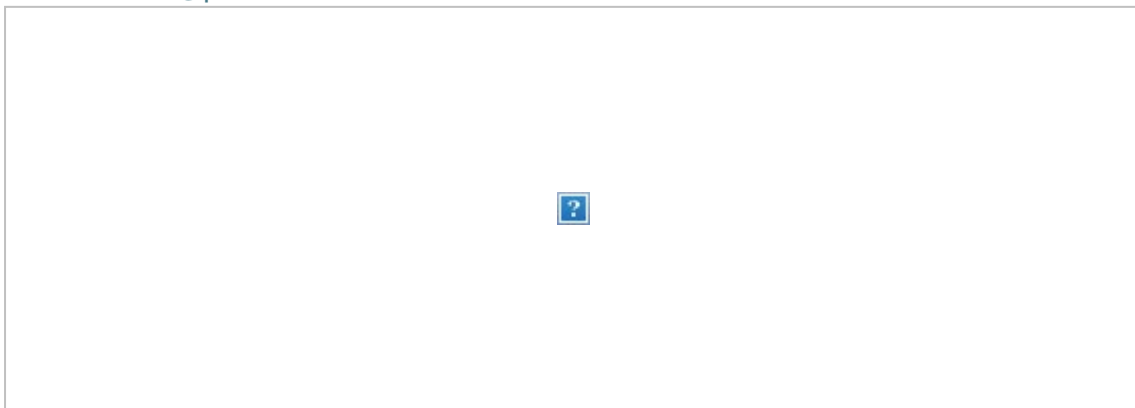
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From: do-not-reply@epic.epa.nsw.gov.au <do-not-reply@epic.epa.nsw.gov.au> on behalf of EPIC <do-not-reply@epic.epa.nsw.gov.au>
Sent: Monday, February 16, 2026 9:33 AM
To: Kate Wiggins <kates@proten.com.au>
Subject: REF-NO-45541 Report to NSW EPA 14/02/2026

Dear Kathryn Wiggins

Thank you for making a report to the EPA. We appreciate you taking the time to report this

matter.

Date and time the report was made: 14/02/2026 10:25 AM

Incident type: HAZARDOUS MATERIALS AND WASTE,HAZARDOUS WASTE (SOLID),Bird accommodation

Incident description: Caller advising a contracting transporter was transporting dead bird waste and the back door of the truck had come slightly loose and the waste had spilled on the roadside, advised that the waste is semi liquid in texture. Caller advised that the spill had started from the bridge at darlington point and through to the intersection of Carrington St and Sturt Hwy and then up the highway towards Carrathool. Clean up is occurring at the moment as the Murrumbidgee shire council has begun cleaning in the township area, and the contractor who owns the truck is cleaning along the highway. Incident Still Occurring : NO.

Duty officer notified 10:26 and ack 10:27.

Incident Location Description: DARLINGTON POINT 2706

Based on the information you have provided, a report has been created (REF-NO-45541) and allocated for action.

The EPA Case Officer will contact you if they require further information.

If you would like to follow up on this report please email the EPA at info@epa.nsw.gov.au quoting your reference number exactly in the format REF-NO-45541 . An EPA Officer will provide you with advice on what action has been taken.

If you would like to provide additional information, please email the EPA at info@epa.nsw.gov.au with your information, quoting your reference number exactly in the format REF-NO-45541 . Your report will be updated with the additional information you have supplied.

Regards

Environment Line Officer

Email: info@epa.nsw.gov.au

www.epa.nsw.gov.au and www.environment.nsw.gov.au



IMPORTANT NOTICE: CONFIDENTIALITY AND LEGAL PRIVILEGE

This e-mail may contain privileged and/or confidential information intended for the person addressed.

Please note that in order to respond to your report the EPA will record the personal details you have provided, including email address. These details may also be used to inform the EPA's environmental regulatory processes or alternatively you can request that your details are only used in relation to the report you have made by emailing Environment Line (info@epa.nsw.gov.au). Details of the EPA Privacy information can be found at: www.environment.nsw.gov.au/help/privacy.htm

Email: NTN01

Appendix G Carbon Farming Monitoring Report

ProTen Narrandera – 32 Month Post Planting Monitoring Report

Subject:	32 Month Post Planting Monitoring Report
Purpose:	To update ProTen and Carbon Farming Founding Foundation on the progress of the direct seeding and planting at the ProTen Euroley farm.
Date:	14/03/2025
To:	Ashley Etherington (Proten); Sam Bean (Carbon Farming Foundation)
From:	Nina Page (Cassinia Environmental)
Cc:	

Summary

Seedling planting and direct seeding was completed at the ProTen farm on 1 July 2022. Cassinia Environmental performed monitoring on the 5th and 6th May 2023, and the 5th and 6th of March 2024 (Table 1). We returned on the 6th & 7th of March 2025 to conduct the third round of monitoring. Below is an outline of the monitoring method, summary of the data collected, conclusions and recommendations.

Monitoring date	May-23	Mar-24	Mar-25
Average indicative density (stems/Ha)	219	158	239

Table 1. Stem density estimates over the past 3 years of monitoring.

Monitoring Method

31 points were selected across the 200 ha planting area using a random point generator in QGIS (Figure 1). These points formed the starting locations for the 100m transects. At each point a 100m measuring tape was laid out perpendicular to the seeding lines. Each plant within 2.5m of the measuring tape was recorded, creating a 500sqm sampling area. Each transect was scored for signs of herbivory and overall health (Table 2).



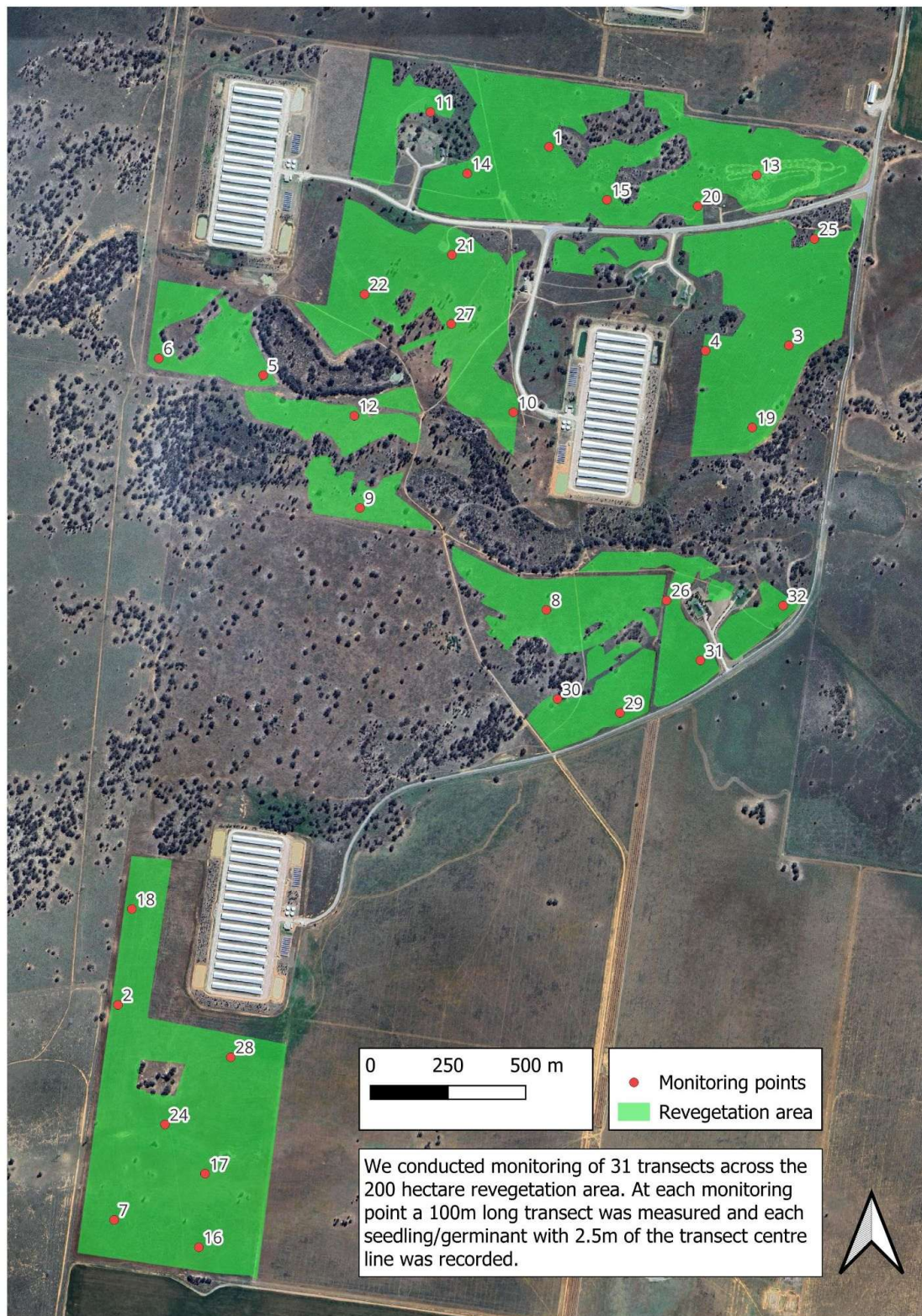


Figure 1. Map showing the starting positions of 500sqm monitoring plots across the vegetation area.





Transect	Transect Health	Herbivory	Stem count	Indicative density (stems/ha)
1	Good - No/very little water stress	No/very little herbivory	3	60
2	Good - No/very little water stress	Some herbivory	14	280
3	Fair - minor water stress	No/very little herbivory	40	800
4	Good - No/very little water stress	No/very little herbivory	6	120
5	Fair - minor water stress	Some herbivory	15	300
6	Fair - minor water stress	No/very little herbivory	14	280
7	Fair - minor water stress	No/very little herbivory	5	100
8	Good - No/very little water stress	No/very little herbivory	9	180
9	Good - No/very little water stress	No/very little herbivory	7	140
10	Fair - minor water stress	Some herbivory	30	600
11	Good - No/very little water stress	No/very little herbivory	11	220
12	Fair - minor water stress	No/very little herbivory	7	140
13	Fair - minor water stress	No/very little herbivory	2	40
14	Good - No/very little water stress	No/very little herbivory	2	40
15	Good - No/very little water stress	No/very little herbivory	8	160
16	Good - No/very little water stress	No/very little herbivory	9	180
17	Fair - minor water stress	No/very little herbivory	9	180
18	Good - No/very little water stress	No/very little herbivory	21	420
19	Fair - minor water stress	No/very little herbivory	29	580
20	Good - No/very little water stress	No/very little herbivory	4	80
21	Good - No/very little water stress	No/very little herbivory	10	200
22	Fair - minor water stress	No/very little herbivory	26	520
24	Good - No/very little water stress	Some herbivory	8	160
25	Good - No/very little water stress	No/very little herbivory	12	240
26	Fair - minor water stress	No/very little herbivory	13	260
27	Fair - minor water stress	Some herbivory	22	440
28	Fair - minor water stress	No/very little herbivory	10	200
29	Good - No/very little water stress	No/very little herbivory	4	80
30	Good - No/very little water stress	No/very little herbivory	6	120
31	Good - No/very little water stress	No/very little herbivory	4	80
32	Fair - minor water stress	Some herbivory	11	220
		Average	12	239

Table 2. Monitoring data for each transect.

To better understand evenness across the site and identify any areas which need improvement, the site was split into sections by area and average stem count for each section was calculated (Table 3).





Section	Transects	Average stem count	Indicative density
Section 1	11, 14, 1, 15, 20, 13	5	100
Section 2	22, 21, 27, 10	22	440
Section 3	6, 5, 12, 9	10.75	215
Section 4	25, 4, 3, 19	21.75	435
Section 5	8, 26, 32, 31, 30, 29	7.7	153
Section 6	18, 2, 28, 24, 17, 7, 16	10.9	217

Table 3. The planting is split into six sections to examine the average stem count by area.

Discussion

31 plots were surveyed over two days. The stem density within these plots ranged broadly from 2 to 40 stems. The average stem density estimate for direct seeding across the property was 239 stems per hectare, this is an increase from the previous year's monitoring results of 158 stems/ha. In order to reach the required coverage of 20% canopy cover, it is estimated that a stem density of 300 stems/ha will be required.

Weed coverage (primarily grasses and fleabane) was high in some areas, particularly in the northern most section of the site. Weeds create significant competition for resources and can make detection of small plants much more difficult. Section 1 (in and around points 11, 14, 1, 15, 20 and 13) shows the lowest germination rates and may need some infill planting to bring this area up to targets.

Section 3 (around points 5, 6 and 12) has been impacted the most by kangaroo grazing. Kangaroo control has recently been conducted in this area to control numbers, which will assist the recovery of this area. The remaining sections of revegetation across the property look quite good, with healthy seedlings and good germination rates seen in many plots. Given more time and favourable weather conditions, these areas should mature nicely. Rabbit control has been effective.

Horses from a house site near plot 32 were in this paddock for at least a couple of days. There is evidence of horses walking through seedlines, which compacts the soil preventing germination. The landowner here apparently rides their horses through the planted paddocks. This is fine provided they are keeping their horses off the seeding and seedling lines.

A number of plants show minor to moderate signs of water/heat stress. High temperatures and lower than average rainfall during January and February have caused some decline in health across the planting (Table 4, Figure 2). Although overall health across the site is fairly good and will improve with Autumn/Winter rainfall.

Month	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Total
Previous 6 months rainfall (mm)	22	11.2	46.0	37.4	19.2	8.6	144.4
Long-term average (mm)	35	40.5	38.7	36.4	40.2	33	223.8

Table 4. Rainfall data from Narrandera weather station



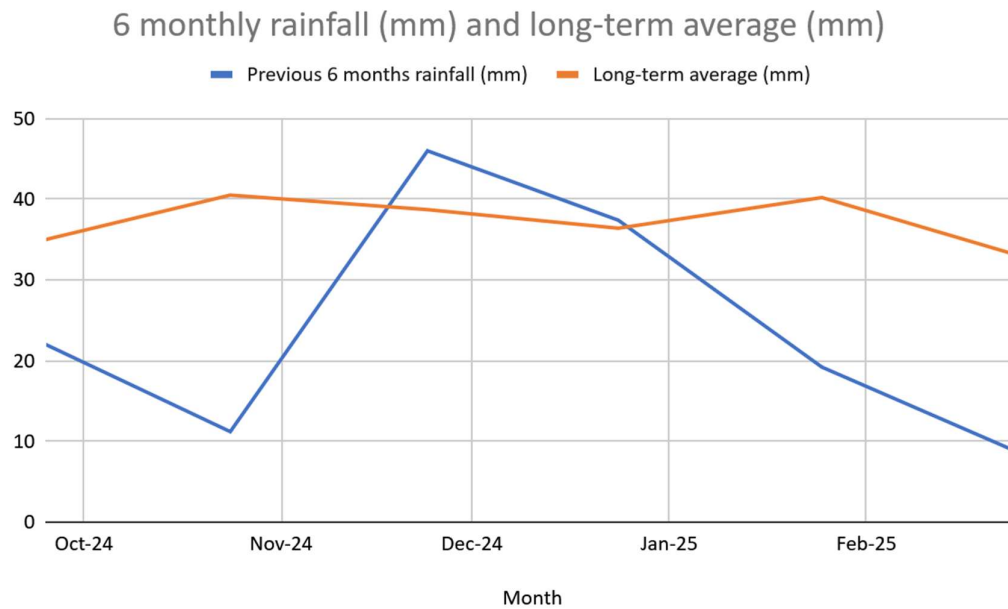


Figure 2. The monthly rainfall at the site over the previous 6 months vs the long term average.

Site photos



Browsed plants in an area of the project most impacted by kangaroo grazing.





Plants growing well, some seedlings are reaching a few metres in height.





A good diversity of plants coming through.





High grass/weed cover in some areas creates competition and makes small plants harder to find during monitoring.

Conclusions

Direct seeding germination and seedling survivorship is somewhat uneven across the site with strong germination rates observed in some areas and low stem counts recorded in other areas. High weed/grass cover may be reducing germination rates in some sections as well as making monitoring more difficult. Herbivory by kangaroos is a common issue at revegetation sites, especially with current dry conditions across much of south eastern Australia. Recent kangaroo control on the property should assist with revegetation health and success. Ongoing kangaroo management will be important for maintaining the site. Overall, plants that were observed were generally healthy and growing well. Germination within the direct seeding lines should continue over the next few years, contributing further to stem density.

Despite dry, hot conditions over January and February, seedlings were relatively healthy and did not show signs of severe water stress. The shading created by these trees as they grow will help reduce weed/grass coverage over time and improve understory health. Ongoing weed management is recommended to reduce competition with germinates and assist the overall growth of the planting.

Stem density is currently slightly below targets required to reach 20% canopy cover. As long as kangaroo numbers are controlled, most areas just require rain and time to reach the intended coverage. Some infill planting is recommended in some sections of revegetation area to compensate for germination suppression by high weed cover.



Recommendations and Next Steps

- Cassinia to contact CFF regarding evenness required across the property.
- Proten to continue pest plant and animal management across the site, including kangaroo control.
- Proten to conduct informal monitoring in September 2025 in section 3 to see if this has improved following Autumn/Winter rain and kangaroo control.
- Proten to conduct informal monitoring of direct seeding germination across the site, particularly in sections 3, 5 & 6 as we expect stem numbers to increase in these areas as germination continues.
- Cassinia Environmental to provide a quote for infill planting where required

