

# OAKBURN POULTRY RENDERING PLANT

**Annual Review / Compliance Report 2020-21**

**Prepared for:**

Baiada Poultry Pty Ltd  
PO Box W484  
West Tamworth NSW 2340

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SLR<sup>®</sup> 

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## BASIS OF REPORT

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

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

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

## DOCUMENT CONTROL

Reference	Date	Prepared	Checked	Authorised
630.30127-R01-v0.3	6 May 2021	Samantha Hayes	Renae Gifford	Renae Gifford
630.30127-R01-v0.3	4 May 2021	Samantha Hayes	Renae Gifford	Renae Gifford
630.30127-R01-v0.2	23 April 2021	Samantha Hayes	Renae Gifford	Renae Gifford

**Table 1 Title Block**

<b>Name of operation</b>	Oakburn Poultry Rendering Plant
<b>Name of operator</b>	Baiada Poultry Pty Ltd
<b>Development consent / project approval #</b>	DA 53/97 / SSD 9394
<b>Name of holder of development consent / project approval</b>	Baiada Poultry Pty Ltd
<b>Annual Review start date</b>	19 March 2020
<b>Annual Review end date</b>	18 March 2021
<p>I, Grant White, certify that this audit report is a true and accurate record of the compliance status of the Oakburn Poultry Rendering Plant for the period between 19 March 2020 and 18 March 2021 and that I am authorised to make this statement on behalf of Baiada Poultry.</p> <p>Note:</p> <p>a) <i>The Annual Review is an 'environmental audit' for the purposes of section 9.39(2) of the Environmental Planning and Assessment Act 1979. Section 9.42(1) 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></p> <p>b) <i>The Crimes Act 1900 contains other offences relating to false and misleading information: section 192G (Intention to defraud by false or misleading statement—maximum penalty 5 years imprisonment); sections 307A, 307B and 307C (False or misleading applications/information/documents—maximum penalty 2 years imprisonment or \$22,000, or both).</i></p>	
<b>Name of authorised reporting officer</b>	Grant White
<b>Title of authorised reporting officer</b>	National Environment and Sustainability Manager
<b>Signature of authorised reporting officer</b>	
<b>Date</b>	6/5/2021

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# 1 Statement of Compliance

A summary of compliance at Baiada's Oakburn Poultry Rendering Plant (Oakburn) during the 2020-21 reporting period is provided in **Table 2**.

**Table 2 Statement of Compliance**

Were all conditions of the relevant approval(s) complied with?	Yes/No
DA 53/97	Yes
SSD 9394	Yes
EPL 7566	Yes
Liquid Trade Waste Services Agreement TWC006/2006	No

A summary of the non-compliances during the reporting period have been summarised in **Table 3**. The non-compliance categories are described in **Table 4**.

**Table 3 Non-Compliances during 2020-21**

Relevant Approval	Condition #	Condition Description Summary	Compliance Status	Comment	Where addressed
Liquid Trade Waste Services Agreement TWC006/2006	Annexure A	Wastewater quality analysis conditioned limits	Non-compliant	There were a number of exceedances of the wastewater quality analysis conditioned limits	Sections 7.1.2 and 11.2
Liquid Trade Waste Services Agreement TWC006/2006	Annexure A	Daily wastewater discharge limit	Non-compliant	There were a number of exceedances of the daily wastewater discharge limit	Sections 7.1.2 and 11.2

**Table 4 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 Introduction

### 2.1 Overview

Baiada Poultry Pty Ltd (Baiada) was granted Development Consent DA 53/97 in 1998 by the then Minister for Urban Affairs and Planning in accordance with the *Environmental Planning and Assessment Act 1979* (EP&A Act) and the former *State Environmental Planning Policy No. 34 – Major Employment Generating Industrial Development* (SEPP 34) to develop the Oakburn Poultry Processing Complex (Oakburn) approximately 11 kilometres (km) north-west of Tamworth on the Oxley Highway (see **Figure 1**). Oakburn is located at Lot 100 in Deposited Plan (DP) 1097471 in the Parish of Murroon, County of Parry within the Tamworth Regional local government area (LGA).

On 18 December 2020, State Significant Development (SSD) Consent 9394 was approved by the Department of Planning, Industry and Environment (DPIE) for the construction and operation of Baiada Integrated Poultry Processing Facility, including:

- Poultry processing facility, with capacity to process up to 3 million birds a week;
- Protein Recovery Plant, with capacity to render up to 1,680 tonnes of finished product per week;
- Wastewater treatment plant;
- Advanced water treatment plant;
- Road connection to Workshop Lane;
- Earthworks; and
- Connection to infrastructure.

For the purpose of this report, both Development Consents have been considered.

### 2.2 Company Details

Baiada is a privately-owned Australian company providing poultry products throughout Australia under the well-established brand names of Steggles and Lilydale. The Tamworth region is a major production area for the company, with the regional operations being vertically integrated and comprising breeder farms, hatcheries, growing farms, a feed mill, a processing plant and the Oakburn rendering plant.

The company has an employee base of around 6,850 people, including on site production contractors, many of which located within the Tamworth region.

The Baiada company contacts for this report are listed in **Table 5**.

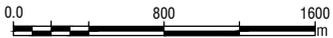
**Table 5 Company Contact Details**

Oakburn (Baiada)	Contact Details
Grant White National Environment and Sustainability Officer	Mobile: 0418 118 045 Email: Grant_White@baiada.com.au



**NOTES & CAUTIONS:**

1. All boundaries shown on this plan are approximate only and subject to survey verification
2. Aerial photography sourced from NearMap. Imagery dated 23rd April 2021



Scale: 1:40000  
(GDA94) MGA Zone 56

23.04.2021  
630.13030

## 2.3 Report Scope

Schedule 4, Condition 50 of Development Consent DA 53/97 (see **Section 3.2**) for Oakburn requires an Annual Review to be prepared and submitted to the Secretary (previously known as the Director-General) every 12 months.

Additionally, Condition C18 of SSD 9394 requires an annual Compliance Report be prepared for Oakburn.

The specific requirements of these consent conditions are listed in **Table 6**.

**Table 6 Compliance with Development Consent Conditions**

Condition Number	Condition	Compliance
<b>DA 53/97</b>		
50	The Applicant shall submit an Annual Review (formally Annual Environmental Monitoring Report (AEMR)), every 12 months, to the Director-General and make copies available to the EPA, NOW and Council. This report must:	This report
50 (a)	be prepared by a suitably qualified expert approved by the Director-General;	SLR's Samantha Hayes and Renae Gifford were approved by the Secretary on the 3 February 2021 (see <b>Appendix A</b> ).
50 (b)	be prepared to the satisfaction of the Director-General;	Report submitted to Department of Planning, Industry and Environment (DPIE) in accordance with the 2015 Annual Review Guidelines.
50 (c)	identify the standards and performance measures that apply to the development;	Sections 6 and 7
50 (d)	include a summary of the complaints received during the year, and compare this to the complaints received in the previous years	Section 10.2
50 (e)	include a summary of the monitoring results for the development during the past year;	Sections 6 and 7
50 (f)	include an analysis of these monitoring results against the relevant: <ol style="list-style-type: none"> <li>i. Impact assessment criteria/limits specified in this consent and EPL;</li> <li>ii. Monitoring results from previous years; and</li> <li>iii. Predictions in the SEE supporting DA 53/97 Mod 3;</li> </ol>	Sections 6 and 7
50 (g)	identify any trends in the monitoring results over the life of the development;	Sections 6 and 7
50 (h)	identify any non-compliance during the previous year;	Sections 1 and 11.3
50 (i)	describe what actions were, or are being, taken to ensure compliance and improve the environmental performance of the facility; and	Sections 6 and 7

Condition Number	Condition	Compliance
50 (j)	must include a copy of: <ul style="list-style-type: none"> <li>i. the Wastewater Monitoring Report;</li> <li>ii. the Solid Waste Monitoring Report;</li> <li>iii. the Odour Monitoring Report;</li> <li>iv. the Water and Energy Efficiency Monitoring Report; and</li> <li>v. the EPA EPL Annual Return.</li> </ul>	Attached as Appendix I, H, G, K and E
<b>SSD 9394</b>		
C18	Within twelve months of the date of this consent, and in the same month each subsequent year (or such other timing as agreed by the Planning Secretary), the Applicant must submit a Compliance Report to the Planning Secretary reviewing the environmental performance of the development to the satisfaction of the Planning Secretary. Compliance Reports must be prepared in accordance with the Compliance Reporting Post Approval Requirements (Department 2020) and must also:	This report
C18a	identify any trends in the monitoring data over the life of the development;	Sections 6 and 7
C18b	identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies; and	Sections 6 and 7
C18c	describe what measures will be implemented over the next year to improve the environmental performance of the development	Section 12

This Annual Review/Compliance Report has been prepared by SLR Consulting Australia (SLR) and covers the annual reporting period from the 19 March 2020 to the 18 March 2021, which correlates with the reporting period for the site's Environment Protection Licence (EPL) 7566. It addresses all aspects listed under Development Consents (see **Table 6**) and is largely based on operational and environmental monitoring data supplied by Baiada and various consultations with Baiada personnel.

## 2.4 Government Agency Feedback

### 2.4.1 Department of Planning, Industry and Environment

The 2019-20 Annual Review for Oakburn was submitted to the DPIE in May 2020, with feedback received on 27 May 2020. The DPIE requested additional information which is discussed further in **Section 5**.

Following the submission of the Development Application for SSD 9394, Development Consent was issued on 18 December 2020. This approved the construction and operation of Baiada Integrated Poultry Processing Facility. SSD 9394 applies to the existing operations and the newly approved development.

### 2.4.2 Other Agencies

SLR forwarded an email on the 7 April 2021 to the government agencies listed in **Table 7** advising that the 2020-21 Annual Review/Compliance Report for Oakburn was being prepared and seeking any input or feedback. The feedback received from these agencies is summarised in **Table 7**.

**Table 7 Government Agency Consultation**

Agency	Issues and Comments	Section
Tamworth Regional Council (Council)	Ross Briggs (Compliance Manager) responded on the 9 April 2021 stating that no additional inclusion outside what is currently reported within this annual review is requested.	–
NSW Environment Protection Authority (EPA)	Ingrid Carruthers (Operations Officer) responded on the 26 April 2021 stating that the EPA does not have any specific additional requirements for inclusion in this AR. It was noted that it is a requirement for activities at the premise to remain consistent with relevant approvals under the EPL 7566 and the <i>Protection of the Environment Operations Act 1997</i> .	Section 6 and 7
Water in New South Wales (NSW)	No response received from the Water in NSW to date.	–

Copies of all correspondences to and from these agencies in relation to the Annual Review are contained in **Appendix B**. Outside of the Annual Review/Compliance Report process, Oakburn undertake ongoing consultation with Council and the EPA (as required).

## 3 Approvals

### 3.1 Overview

**Table 8** provides a summary of the statutory approval instruments applicable to Oakburn. Further details on those applicable to the continuing operation of the facility are provided in the following sub-sections.

**Table 8 Current Consents, Licences and Approvals**

Instrument	Issue Date	Regulatory Authority	Comments
Development Consent SSD 9394	December 2020	DPIE	Approved the construction and operation of Baiada Integrated Poultry Processing Facility. Applicable to existing operations and newly approved development.
Development Consent DA 53/97	February 1998	DPIE	Originally issued in February 1998, with six modifications approved since.
Development Consent DA 0571/2010	August 2010	Council	Additions to Rendering Plant (Storage Tanks, Maintenance Shed and Boiler Room)
Development Consent DA 0225/2014	November 2013	Council	Demolition of the previous Rendering Facility
Development Consent DA 0336/2015	March 2015	Council	Approval to construct a shed
Development Consent DA 2016/0551	July 2016	Council	Alterations and additions to the existing Oakburn Waste Water Treatment Plant
Development Consent DA 2017/0278	January 2017	Council	Entrance signage and landscaping works (consent issued retrospectively).
Development Consent DA 2017/0282	February 2017	Council	Replacement of biofilter and additional air ducting system to existing wastewater treatment plant.
Development Consent DA 2018/0443	June 2018	Council	New WWTP to improve discharge water quality. This was modified on 5 March 2019.
Environment Protection Licence EPL 7566	December 2000	EPA	Originally issued in December 2000. An updated version was issued in 18 June 2018. The annual licence anniversary date is 19 March.
Liquid Trade Waste Services Agreement TWC006/2006	7 November 2019	Council	Effective for 2 years from commencement date (i.e. until 7 November 2021)

### 3.2 Development Consents

#### 3.2.1 Development Consent DA 53/97

Oakburn was granted Development Consent DA 53/97 in February 1998 by the then Minister for Urban Affairs and Planning in accordance with the EP&A Act and the former SEPP 34. Since this time, six development modifications have been approved pursuant to the EP&A Act. These being:

- MOD 1** – approved in February 1999 to include an amenities building.
- MOD 2** – approved in August 2001 to amend the overall development layout.
- MOD 3** – approved in February 2009 to amend the overall development layout and increase the kill capacity of the processing plant (yet to be constructed) from 750,000 birds per week to 1,000,000 birds per week. This modification also permitted the development to be established in two discrete stages:
- (i) **Stage 1 Poultry Rendering Plant** – constructed and operational; and
  - (ii) **Stage 2 Poultry Processing Plant** – at the time of preparing this report, Baiada did not have a timeframe for progressing with the Stage 2 Poultry Processing Facility.
- MOD 4** – approved in December 2009 to remove Condition 4, which imposed that the approval for the Stage 2 processing plant would lapse if Baiada did not commence construction of Stage 2 within five years of the date of DA 53/97 MOD 3 (i.e. February 2009).
- MOD 5** – approved in January 2014 for the re-development of the Stage 1 rendering plant after it was damaged by a fire in September 2013 and subsequently demolished.
- MOD 6** – approved in April 2019 to increase the production capacity of the rendering plant and clarify the wording regarding production limits.

A copy of the consolidated development consent (i.e. incorporating the approved modifications) is contained in **Appendix C**.

### 3.2.2 Development Consent SSD 9394

Development Consent SSD 9394 was granted approval on 18 December 2020 by the Department of Planning, Industry and Environment (DPIE) for the construction and operation of Baiada Integrated Poultry Processing Facility. SSD 9394 applies to the existing operations and the newly approved development (see **Section 2.1**).

A copy of SSD 9394 is attached as **Appendix C**.

### 3.2.3 Development Consent DA 2018/0443

Development Consent DA 2018/0443 was granted approval on 20 June 2018 by Council. DA 2018/0443 approved the construction of a new waste water treatment plant (WWTP) in the north east corner of the property which will improve waste water quality discharged from the site.

Development Consent DA 2018/0443 was modified on 5 March 2019 as MOD 2019/0077 (MOD 1) to amend the site layout plans. A copy of the development consent (as modified) is attached as **Appendix C**.

## 3.3 Environment Protection Licence

Two activities undertaken at Oakburn, being livestock processing and chemical storage, are classed as “scheduled activities” under Schedule 1 of the *Protection of the Environment Operations Act 1997* (POEO Act). On this basis, Baiada is required to hold an EPL administered by the EPA under Section 43(b) of the Act.

Oakburn operates under EPL 7566, which has an anniversary date of the 19 March. This EPL covers rendering (or fat extraction) to a scale of greater than (>) 4,000 tonnes per year and general chemicals storage of between 0 and 5,000 kilolitres (kL).

A copy of EPL 7566 is contained within **Appendix D**, and a copy of the 2020-21 Annual Return for EPL 7566 is attached as **Appendix E**.

### 3.3.1 Pollution Incident Response Management Plan

Oakburn operated under the *Pollution Incident Response Management Plan* (PIRMP) during the 2020-21 reporting period. This document contains key actions to minimise the occurrence of a pollution incident and, if necessary, manage a pollution incident. It also details the procedures for notification of pollution incidents resulting in or having the potential to cause material harm to the environment.

The PIRMP was not required to be activated during the 2020-21 reporting period.

During the reporting period, the PIRMP was reviewed and updated on 26 November 2020, and tested on 3 March 2021.

## 3.4 Liquid Trade Waste Services Agreement

All operational wastewater generated by Oakburn is pre-treated on site prior to being discharged to Council's sewerage system under the provisions of a Liquid Trade Waste Services Agreement (LTWSA). The current LTWSA (TWC006/2006) was issued by Council on the 7 November 2019 and is effective for a period of two years, until the 7 November 2021. A copy of the current LTWSA is contained within **Appendix F**.

As addressed in **Section 7.1**, the LTWSA imposes both quantity and quality limits for the wastewater discharged from Oakburn on a daily basis.

Effluent Improvement Programme (EIP) conditions were imposed by Council in the previous version of the LTWSA. In accordance with those conditions, Baiada submitted a detailed design of the proposed upgrades to the WWTP to Council in December 2017 and Development Consent DA 2018/0443 was granted on 20 June 2018. The requirements for the EIP were removed from the current version of the LTWSA as the new WWTP was partly commissioned in December 2019. Final commissioning of the WWTP occurred at the end of the previous reporting period in February 2020 with data from the upgraded WWTP included in this annual review.

## 3.5 Baiada Oakburn Sequential Biological Reactor Sludge Exemption 2011

A specific resource recovery exemption, known as *The Baiada Oakburn Sequential Biological Reactor Sludge Exemption 2011*, was issued to Baiada by the EPA in December 2011. It permitted the beneficial reuse of wastewater sludge generated by the Sequencing Batch Reactor (SBR) at Oakburn via land application on a rural property approximately 16 km west of Uralla, NSW. Given the sludge's low contaminant levels and good nutrient portfolio, it is considered a highly beneficial and low risk resource recovery opportunity.

The exemption expired on the 23 December 2013 and Baiada sent a request for renewal to the EPA on the 24 December 2013, however the EPA will not re-issue the exemption until the WWTP is re-commissioned. In discussions held with the EPA during 2019 regarding the Exemption, the EPA indicated that the previous exemption will not be continued, and a new application would be required when the new WWTP is commissioned. The WWTP was commissioned in February 2020, however Baiada have not yet applied for a new Exemption.

The WWTP upgrade is expected to improve the suitability of the sludge for land application. Baiada is in the process of retesting the suitability of the sludge for land application and will subsequently apply for a new exemption.

In the meantime, Baiada has been sending all wastewater sludge from Oakburn for landfill disposal at the Tamworth Waste Management Facility (WMF).

## 3.6 Certification

Oakburn currently holds the following certifications:

**AS/NZS ISO 14001:2015** – Baiada has implemented an Environmental Management System (EMS) across many of its sites, including Oakburn, which has been certified to *AS/NZS ISO 14001:2015 – Environmental Management Systems* for several years. The EMS certification was last updated on the 15 January 2020.

**AS/NZS 4801:2001** – Baiada has implemented an Occupational Health and Safety Management System across many of its sites, including Oakburn, which has been certified to *AS/NZS 4801:2001 – Occupational Health and Safety Management Systems* for many years. An audit of this system was undertaken on 9 January 2018.

**HACCP** – to assist Baiada in providing a consistently safe product for consumption, a Hazard Analysis Critical Control Points (HACCP) food safety system has been adopted, implemented and certified at Oakburn. An audit of this system was last undertaken on 4 November 2020.

## 3.7 Management Plans

The following standard operating procedures (SOP) and management plans have been prepared for Oakburn as part of the site's EMS and in accordance with the requirements of DA 53/97:

- *Odour Management Plan* (REN-SOP-205-OAK), attached as **Appendix G**;
- *Management of Solid Waste* (REN-SOP-207-OAK), attached as **Appendix H**;
- *Management of Liquid Waste and Contingency Plan* (REN-SOP-204-OAK), attached as **Appendix I**;
- *Stormwater Management Plan* (MPN Consulting 2019), attached as **Appendix J**; and
- *Water and Energy Efficiency Plan* (REN-SOP-206-OAK), attached as **Appendix K**.

The last revisions of these plans were submitted to the DPIE on 30 July 2019 for approval by the Secretary in accordance with Condition 53 of DA 53/97. The LWCP was revised and sent to Council in December 2020.

In accordance with SSD 9394, the applicable management plans will be updated and/or prepared for Oakburn as required for construction and operation.

## 4 Operations

### 4.1 Employment

Baiada is a large agricultural company which employs around 6,850 people across all of its operations including breeder farms, hatcheries, processing plants, protein recovery facilities and contractors.

Baiada employs a total of 15 people at Oakburn, including administrative staff and operational staff.

### 4.2 Hours of Operation

Oakburn is approved to operate 24 hours per day, 7 days a week. However, during the 2020-21 reporting period, Oakburn typically operated 24 hours per day, 5.5 days a week.

### 4.3 Production

As advised in **Section 2.1**, the Stage 1 Poultry Rendering Plant is, at this point in time, the only component of the Oakburn development that has been constructed and is in operation. The rendering plant reduces the environmental risks and costs associated with the need to transport long distances and/or dispose of raw by-products generated by the production and processing of poultry within the Tamworth region. When appropriately treated, these raw by-products, including stock mortalities, offal, heads, blood and feathers, can be transformed into saleable value-added products. This is achieved via a series of processes collectively referred to as rendering, where waste materials are treated to minimise moisture and produce tallow and dry poultry offal meals.

The four products manufactured at Oakburn are:

#### 1) Feather Meal -

Metal detector > Feather hydrolyzer > Dryer > Buffer cooling bin > Hammer mill > Sifter > Truck load out

#### 2) Blood Meal -

Blood > Decanter > Blood dryer > Storage > Bag > Truck load out

#### 3) Poultry Meal -

(a) Batch cooker process – Cooker/Screw press > Hammer mill > Shake sifter > Holding bin > Load out

(b) Low temperature processing system – Metal detector > Pre-heat > Screw press > Dryer > Buffer > Hammer Mill > Shaker sifter > Truck Load out

#### 4) Tallow Meal -

(a) Batch cooker process – Cooker/Screw press > Decanter > Tallow tank > Load out

(b) Low temperature processing system - Metal detector > Pre-heat > Screw press > Decanter > Separation > Truck Load out

The monthly production figures for Oakburn during the 2020-21 reporting period are presented in **Table 9**.

**Table 9 Monthly Intake and Production Figures**

Month	Raw Intake (Tonnes)	Total Production (Tonnes)
19-31 March 2020	3,061	908
April 2020	5,343	1,629
May 2020	7,530	2,267
June 2020	5,181	1,539
July 2020	5,069	1,491
August 2020	6,617	1,964
September 2020	5,422	1,621
October 2020	5,939	1,804
November 2020	6,889	2,071
December 2020	5,799	1,701
January 2021	7,211	2,178
February 2021	5,437	1,608
1-18 March 2021	4,647	1,426
<b>Total</b>	<b>74,146</b>	<b>22,207</b>

**Table 10** provides a comparison of the previous reporting period against the 2020-21 reporting period. Additionally, estimated numbers for the 2021-22 reporting period have been provided by Baiada.

**Table 10 Production Comparison**

Parameter	Limit	Reporting period		
		2019-20 (Actual)	2020-21 (Actual)	2021-22 (Estimate)
Raw Intake (Tonnes)	530 tonnes per day	269	254	300
Production (Tonnes)	180 tonnes per day	83	76	96

As shown in **Table 9**, Oakburn received a total of approximately 74,146 tonnes of raw material and produced approximately 22,207 tonnes of product material between 19 March 2020 and 18 March 2021. This is a decrease from the 25,820 tonnes produced in the previous reporting period.

With rendering/production typically being undertaken approximately six days a week, this equates to an average daily raw intake of approximately 254 tonnes and production of approximately 76 tonnes. On this basis, the Oakburn complied with the operating limit of 530 tonnes raw material and 180 tonnes of material per day, as imposed by Condition 6 of Development Consent DA 53/97, during the 2020-21 reporting period.

In accordance with Condition A6 of SSD 9394, rendering capacity has not increased to 1,680 tonnes of finished rendering product per week until all works associated with the new development are complete, operational and to the satisfaction of the Planning Secretary.

## 4.4 Construction

No construction works were undertaken during the 2020-21 reporting period. Completion of the WWTP construction works occurred at the end of the previous reporting period and was commissioned in February 2020.

## 4.5 Site Servicing

Oakburn is serviced by the following reticulated services:

- Natural gas – reticulated natural gas (RNG) is provided by the site's connection to the Central Ranges Pipeline operated by APA. RNG is used to generate thermal energy in the form of steam, which is the major area of consumption, and hot water. In addition, Liquefied Natural Gas (LNG) is stored in tanks onsite.
- Electricity – electricity is provided by the site's connection to Essential Energy's reticulated servicing network.
- Water – water is provided by the site's connection to Council's reticulated supply infrastructure. This is supplemented by rainwater collected on site.
- Sewage – sewage generated by staff amenities is discharged to Council's reticulated sewerage system.

Section 7.3 provides further detail.

## 4.6 General Site Maintenance

In accordance with Condition 47 of DA 53/97 and Condition O2.1 of EPL 7566, Baiada undertakes a regular site inspection and maintenance program at Oakburn. This program minimises the potential for adverse environmental impacts, extends the life of plant and equipment, reduces operating costs and maximises operational efficiency. Emphasis is placed on keeping the operational areas and surrounding environs as clean as possible. Site maintenance activities include, but are not limited to, the following:

- Regular inspection and maintenance of all plant and equipment to ensure optimal operation;
- Cleaning of the complex at regular intervals during the week;
- Appropriate waste management practices/systems;
- Maintenance of landscaping plantings;
- Regular site slashing and mowing;
- Pest control measures; and
- Use of MEX maintenance software system for tracking and organising preventative maintenance.

## 4.7 Pest Control

Oakburn is managed in compliance with the Baiada's standard operating procedures, which includes pest control measures aimed at discouraging pests from establishing residency within and around the operation. These measures include:

- Six weekly servicing of the site by Statewide Pest Solutions (a provider of Orkin Pest Control);

- Bait stations are installed within and around the complex to prevent and control outbreaks;
- Regular housekeeping is undertaken, including site slashing and mowing, in order to maintain a clean working environment and eliminate rubbish/debris where vermin could live and breed;
- Appropriate sanitising agents are used during cleaning; and
- There is no long-term stockpiling or disposal of waste materials on-site.

## 5 Actions Required from Previous Annual Review

In a letter dated 27 May 2020, the DPIE requested future Annual Reviews include additional information requested under Schedule 2, Condition 5 of DA 53/97.

**Table 11** outlines the status of the DPIE requests regarding the 2019-20 Annual Review.

**Table 11** Actions Required from 2019-20 Annual Review

Action Required from Previous Annual Review	Requested by	Action Taken by the Operator	Where Discussed
Schedule 2, Condition 6 of the consent (MOD 6 approved 10 April 2019) details a production limit of 180 tonnes of finished product on any individual day (24-hour period). Section 4.3 should be updated to include a comparison against this limit.	DPIE	Included in this Annual Review.	Section 4.3 Table 10
Commission and operate the upgraded WWTP in accordance with the LTWSA.	Commitments in 2019-20 Annual Review	The current LTWSA was issued by Council on the 7 November 2019 and is effective for a period of two years, until the 7 November 2021. The WWTP was commissioned in February 2020.	Section 3.4
Further reduce odour complaints.		The number of odour complaints reduced from 13 during the 2018-19 reporting period to 4 in the 2019-20 reporting period. No complaints were received in the 2020-21 reporting period.	Section 10.2
Reduce the number of incidents		The number of incidents reduced from 11 during the 2019-20 reporting period to 4 in the 2020-21 reporting period.	Section 11
Retest the suitability of the sludge for land application and subsequently apply to the EPA for a Sequential Biological Reactor Sludge Exemption.		Baiada commissioned the upgraded WWTP in February 2020, which will improve the suitability of the sludge for land application.  Baiada is in the process of retesting the suitability of the sludge for land application and will subsequently apply for a new exemption.	Section 3.5

## 6 Environmental Performance

This section provides an overview of the performance of Oakburn over the 2020-21 reporting period in relation to the key environmental risks of odour, noise and waste.

### 6.1 Odour Management

#### 6.1.1 Environmental Performance Objective/Criteria

Based on the number of surrounding residences and population density, an odour performance criterion of 5 odour units (OU) was adopted for Oakburn in the Planning Report (PSA Consulting Australia 2019) that accompanied DA 53/97 MOD 6 (see **Section 3.2.1**). The Planning Report states that Oakburn is not predicted to exceed this criterion.

Condition L3.1 of EPL 7566 does not permit any offensive odour from Oakburn.

#### 6.1.2 Environmental Performance

An *Odour Management Plan* (2019) is implemented at Oakburn in accordance with Condition 26 of DA 53/97. It details sources of potential odour and outlines the measures, including contingency plans and complaint management, to be implemented to minimise and management potential odour impacts associated with the Oakburn (see **Appendix G**).

In accordance with Condition B12 of SSD 9394, the existing *Odour Management Plan* will be updated by 18 June 2021.

Mitigation strategies employed during the 2020-21 reporting period to reduce and manage odour emissions include, but are not limited to, the following:

- All significant process odour streams are ducted to the biofilter where they are treated prior to release to the atmosphere;
- Consultations with neighbouring land users on a monthly basis regarding odour emissions and effectiveness of controls;
- General housekeeping to maintain the facility as clean as possible;
- Regular maintenance of all plant and equipment, including the ventilation system and biofilter, to ensure optimal operation;
- Prompt processing of materials to minimise bacterial degradation;
- Daily inspection of the biofilter to assess pump and fan operations;
- Subjective odour testing is performed by appropriately trained employees on a daily basis during biofilter inspections;
- Sludge from the on-site wastewater treatment system is removed from site on a regular basis; and
- There is no long-term stockpiling or disposal of waste materials on site.

As outlined in **Section 3.2.2**, a new WWTP has been constructed at Oakburn. While this is primarily to improve the quality of the wastewater discharge to Councils sewers, this will assist in reducing any odour generated by the wastewater.

No complaints were received during the 2020-21 reporting period (see **Section 10.2**) in relation to odour emissions from Oakburn, which is a reduction from the recent 2018-19 and 2019-20 reporting periods of 13 and 4 complaints received respectively. This can be attributed to the performance of the replacement biofilter and additional air ducting to the WWTP which was commissioned in August 2017, previous odour reduction measures, and process modifications from the WWTP upgrades.

### 6.1.3 Further Improvement and Recommendation

As stated in Section 6.1.2, the existing *Odour Management Plan* will be updated by 18 June 2021 in accordance with Condition B12 of SSD 9394.

Baiada should continue to implement the odour mitigation measures and management strategies identified in the *Odour Management Plan* (2019). This includes intermittently phoning surrounding residents regarding odour emissions and effectiveness of controls.

There is no requirement under the development consent or EPL to undertake routine odour monitoring at Oakburn, therefore a comparison against predictions cannot be made. An air quality monitoring program or impact assessment is only required if offensive emissions are recurring and/or it is requested by the EPA under the provisions of EPL 7566.

## 6.2 Noise Management

### 6.2.1 Environmental Performance Objective/Criteria

Condition 28 of Development Consent DA 53/97 and Condition B6 of SSD 9394 impose noise limits for operational activities, which are included in **Table 12**.

**Table 12 Operation Noise Limits (dB(A))**

Location	Noise Limits dB(A)			
	Day	Evening	Night	Night
	L <sub>Aeq</sub> (15 min)	L <sub>Aeq</sub> (15 min)	L <sub>Aeq</sub> (15 min)	L <sub>Amax</sub>
<b>DA 53/97</b>				
'Girrawheen', Old Winton Road, Westdale	40	35	35	52
'Abbeylands', Bowlers Lane, Westdale	40	37	37	
'The Billabong', Wallamore Road, Westdale	41	38	37	
Various Residences, Old Winton Road, south of Tamworth Airport	40	36	35	
<b>SSD 9394</b>				
R1 – Girrawheen	40	35	35	52
R2 – Abbeylands				
R3 – The Billabong				
R4 – Airport South				

Condition L2.1 of EPL 7566 imposes the following operational noise performance criteria:

*Noise from the premises must not exceed:*

- a. *an LA<sub>10(15 minute)</sub> noise emission criterion of 5 dB(A) above background level LA (90) dB(A) (7am to 6pm) Monday to Friday and 7am to 1pm Saturday; and*
- b. *an LA<sub>10(15 minute)</sub> noise emission criterion of 5 dB(A) above background level LA (90) dB(A) during the evening (6pm to 10pm) Monday to Friday; and*
- c. *at all other times, an LA<sub>10(15 minute)</sub> noise emission criterion of 5 dB(A) above background level LA (90) dB(A), except as expressly provided by this licence.*

The SEE (PSA Consulting Australia 2019) stated that noise from the premises was not expected to exceed the criteria at any receiver, under natural or noise-enhancing atmospheric conditions during the day, evening or night periods.

The predictions made in the SSD 9394 *Noise Impact Assessment* (Reverb Acoustics 2019) will be considered the Annual Review / Compliance Report prepared for the 2021-22 reporting period.

## 6.2.2 Environmental Performance

There is no requirement under the development consents or EPL to undertake routine noise monitoring at Oakburn, therefore comparisons against the noise predictions cannot be made. A noise monitoring program or impact assessment is only considered necessary if excessive noise levels are recurring and/or it is requested by the EPA under the provisions of EPL 7556.

Noise emissions from Oakburn are predominantly from heavy vehicles entering/exiting the site. The rendering operations are all undertaken within an enclosed building.

The following noise mitigation measures were implemented for the minor construction works that were undertaken during the reporting period:

- Plant and equipment operators were instructed to operate the items in a manner that minimises noise generation;
- All construction was undertaken between 7:00 am and 5:00 pm, Monday to Friday and between 8:00 am and 1:00 pm on Saturday; and
- Plant and equipment were maintained to ensure optimal operating condition.

The following operational noise mitigation measures were implemented during the reporting period:

- Plant and equipment operators were instructed to operate the items in a manner that minimises noise generation;
- Plant and equipment were regularly maintained to ensure optimal operating condition;
- A circular one-way internal roadway was maintained to minimise the use the reversing alarms and heavy vehicle manoeuvring; and
- Audible alarms were maintained at a level not audible beyond the site boundary.

During the reporting period, no complaints were received in relation to noise.

### 6.2.3 Further Improvement and Recommendations

Baiada should continue to implement the mitigation measures and management strategies identified in the SOP for noise pollution in the EMS.

Prior to the commencement of operation, noise walls will be constructed as required by Condition B7 of SSD 9394.

## 6.3 Solid Waste Management

### 6.3.1 Environmental Performance Objective/Criteria

Waste will be managed in accordance with the following conditions outlined in **Table 13**.

**Table 13 Waste Management Requirements**

Number	Condition Requirement
<b>DA 53/97</b>	
20	During construction and operation of the development, the Applicant shall implement all reasonable and feasible measures to minimise the waste generated by the development
21	The Applicant shall ensure that all waste generated on the site is classified in accordance with the EPA's 'Waste Classification Guidelines: Part 1 Classifying Waste' and dispose of to a facility that may lawfully accept the waste, or managed in accordance with resource recovery exemptions as approved by the EPA
<b>SSD 9394</b>	
B43	All waste materials removed from the site must only be directed to a waste management facility or premises lawfully permitted to accept the materials.
B44	The Applicant must assess and classify all liquid and non-liquid wastes to be taken off site in accordance with the latest version of EPA's <i>Waste Classification Guidelines Part 1: Classifying Waste</i> (EPA, 2014) and dispose of all wastes to a facility that may lawfully accept the waste.
B45	Waste generated outside the site must not be received at the site for storage, treatment, processing, reprocessing, or disposal.
B46	The Applicant must retain all sampling and waste classification data for the life of the development in accordance with the requirements of EPA.

There were no specific predictions or estimated volumes relating to waste in the DA 53/97 SEE (BSA 2008) or SSD 9394 EIS (PSA Consulting 2019).

### 6.3.2 Environmental Performance

Baiada's commitment to *AS/NZS ISO 14001:2015 – Environmental Management Systems* and the *Australian Packaging Covenant* assists to ensure that operations minimise waste generation through optimised design and production processes and, where possible, material reuse/recycle. The rendering plant is essentially a waste recycling facility.

Waste management at Oakburn is undertaken in accordance with the *Management of Solid Waste* (2019) (see **Appendix H**) in accordance with Condition 22 of DA 53/97.

There is no stockpiling or disposal of waste materials on-site at Oakburn.

In summary, the Oakburn produced the following solid waste streams during the reporting period:

- Offal waste – typically rejections from the metal detection systems, offal and feathers;
- Minor quantities of maintenance wastes, such as scrap metals and machine parts, collected by licensed recycling contractors;
- Minor quantities of waste oils and chemicals drums collected by a drum recycling contractor;
- General non-recyclable waste taken to the Tamworth WMF for landfill disposal;
- Minor quantities of recyclable wastes, such as cardboard, glass, aluminium and some plastics, collected by Challenge Recycling on a fortnightly basis and taken to the recycling centre at the Tamworth WMF; and
- Wastewater sludge from the DAF/SBR Sludge process taken to the Tamworth WMF.

**Table 14** summarises the total amount of waste produced by Oakburn and the percentage of this waste able to be recycled during the reporting period.

**Table 14 Total Waste Materials**

Material	Total of Waste Material Produced	Percentage Recycled	Percentage Sent to Landfill
SBR Solids (tonnes)	434.5	0%	100%
Dissolved Air Flotations (DAF) Solids (tonnes)	5.6	0%	100%
Offal Waste (tonnes)	421.5	0%	100%
General Waste (tonnes)	31.8	0%	100%
Mixed Recyclables (kg)	156.0	100%	0%
Printer Cartridges (kg)	2.0	100%	0%
Wood Pallets (kg)	0.0	-	-

During the 2020-21 reporting period, approximately 162 kgs of general recyclable materials (i.e. plastic, paper, cans, cardboard, batteries etc.) was collected by Challenge Recycling. An additional 2 kgs of printer cartridges were recycled, no wood pallets were recycled.

Approximately 893 tonnes of waste was taken to the Tamworth WMF during the reporting period, including offal waste, wastewater sludge and general waste. This was a decrease from the 2,413 tonnes of waste taken to Tamworth WMF during the 2019-20 reporting period.

DAF was taken offline at the end of the 2019-20 reporting period and remained offline throughout the 2020-21 reporting period following the completion of the WWTP. DAF Solids were not produced during the 2020-21 reporting period except for a two-day period while repairs to the WWTP were undertaken. Council are aware of this occurrence and waste was produced for less time than programmed.

There were no community complaints or incidents recorded in relation to solid waste management during the 20120-21 reporting period.

### 6.3.3 Further Improvement and Recommendations

Baiada should continue to implement the mitigation measures and management strategies identified in *Management of Solid Waste* (2019). Solid waste should continue to be part of the weekly site audits to ensure any incidents or issues are promptly identified and addressed.

Currently, SBR Sludge is sent to landfill. As stated in **Section 6.3.2**, following the completion of the WWTP, DAF is no longer being produced. Baiada should test the suitability of the SBR Sludge for land application as a priority and subsequently apply to the EPA for a new exemption (see **Section 3.5**).

## 6.4 Hazardous Material Management

### 6.4.1 Environmental Performance Objective / Criteria

While there is no specific objective or criteria relating to chemical storage and management, there are general obligations under the POEO Act for EPL holders to avoid and control environmental pollution.

### 6.4.2 Environmental Performance

As advised in **Section 3.3.1**, Oakburn operates under a PIRMP which has been prepared in accordance with the requirements of Section 153A of the POEO Act. This document contains an inventory of potential pollutants (hazardous substances), the controls in place to reduce the likelihood of a pollution incident to a negligible level, incident management protocol, staff training and annual PIRMP training requirements.

Operation of Oakburn requires only limited input of chemicals and other hazardous substances. The primary areas of chemical use are cleaning/sanitation, wastewater treatment and pest/vermin control. A contracted company provides a chemical delivery and pickup service direct to the site. This reduces the on-site chemical storage requirements and eliminates the need to dispose of empty chemical containers with the contractor retrieving containers for reuse, recycling or appropriate disposal. The largest quantity of hazardous substances on site is three 80,000 L liquid natural gas tanks which are stored and handled in accordance with the PIRMP.

Given the limited applications and current management practices, the potential for adverse impact from the storage and use of hazardous substances at Oakburn is considered low. All operational areas are fully sealed and graded to drains that direct all wash down water to the on-site WWTP.

There were no community complaints or incidents recorded in relation to hazardous material management during the 2020-21 reporting period. The PIRMP was not required to be activated during the reporting period.

### 6.4.3 Further Improvement and Recommendations

Baiada should continue to ensure that the PIRMP is tested every 12 months and within one month of any pollution incident in accordance with the requirement of the *Protection of the Environment (General) Operations Regulation 2009* (POEO(G) Regulation).

Baiada should continue to ensure PIRMP refresher training is provided to employees to ensure they are aware and familiar with the key steps required to respond to and manage a pollution incident.

## 6.5 Heritage

In accordance with Condition 32 of DA 53/97 and Condition B67 of SSD 9394, in the event that Aboriginal objects are uncovered during the course of the development, then work in the immediate area shall cease, and a 10 m wide buffer implemented around the suspected item or object must be cordoned off. Heritage NSW must be contacted immediately

No Aboriginal objects were uncovered during the 2020-21 reporting period.

## 6.6 External Lighting

As required by Condition 33 of DA 53/97 and Condition B74 of SSD 9394, Baiada limit the potential for visual pollution and nuisance from external lighting at Oakburn by ensuring all exterior lighting fixtures are directed downwards and aimed to avoid light spill onto adjoining lands.

Baiada has advised that no complaints relating to external lighting were received during the 2020-21 reporting period.

## 7 Water Management

### 7.1 Wastewater Management

#### 7.1.1 Environmental Performance Objective/Criteria

The LTWSA (see **Section 3.4** and **Appendix F**) imposes quality and quantity limits for the wastewater discharged from Oakburn to Council's sewer on a daily basis. These limits are specified and addressed in **Section 7.1.2**.

#### 7.1.2 Environmental Performance

Oakburn produces the following wastewater streams:

- Poultry offal liquids as condensate – approximately 160 kL per day;
- Other water produced from processing – approximately 110 kL per day;
- Liquid wastes from plant wash down – approximately 50 kL per day; and
- Other minor sources – approximately 10 kL per day.

These wastewater streams are predominantly organic in composition and high in primary and dissolved solids. The *Management of Liquid Wastes and Contingency Plan* (2019) is implemented at Oakburn in accordance with Condition 19 of DA 53/97 and is attached as **Appendix I**.

The Stage 1 rendering plant includes a refurbished WWTP, including a 350 kL balance tank. All wastewater generated by the plant is treated on-site before being discharged to Council's sewer under the provisions of the LTWSA. Upgrades to the WWTP were completed during the previous reporting period and the plant was commissioned in February 2020.

With the exception of condensate, waste water produced at the processing plant is firstly pumped into the CAL for anaerobic processing. Condensate is largely fed directly into the SBR. Feeding of the CAL commenced in December 2019. DAF operations were reduced from December 2019 and ceased in March 2020. The old SBR was taken offline during the beginning of the reporting period.

Baiada personnel at Oakburn are trained in the operation and maintenance of the WWTP including various daily, weekly and monthly checks, also managed through MEX maintenance software system. The following operational data is recorded by Baiada:

- Temperature, pH, dissolved oxygen and air pressure at critical points in the waste water treatment process and discharge tank on a daily basis;
- Volumes of, sulphuric acid, sodium hydroxide and polymer used on a weekly basis; and
- Volume of wastewater discharged on a daily basis.

There was no on-site disposal of wastewater during the reporting period.

#### Wastewater Quality

Treated wastewater from Oakburn is sampled and analysed by Council on a weekly basis. **Table 15** summarises the analysis results during the 2020-21 reporting period and compares them with the wastewater quality limits in the LTWSA. A copy of the wastewater discharge data is attached as **Appendix L**.

**Table 15 Wastewater Analysis Results**

Parameter (mg/L)	Predicted (MOD 5 SEE)	Minimum	Average	Maximum	Median	LTWSA Conditioned Limit
pH (no units)	-	7.7	8.5	7.7	7.7	7 to 9
Ammonia as Nitrogen	50	0	10	162	1	50
Biological Oxygen Demand	500	0	39	478	21	300
Chemical Oxygen Demand	-	56	186	1266	147	600 = BOD <150. <3 x BOD = BOD >150
Total Kjeldahl Nitrogen	80	1	32	180	19	100
Total Phosphorus	20	17	53	103	47	20
Oil and Grease	80	5	9	54	5	100
Total Suspended Solids	500	5	49	185	39	300
Total Dissolved Solids	1,000	1,076	1,989	3,412	1,992	1,000
Sulphate	-	192	344	706	318	500

Note: Red indicates exceedance of LTWSA limits.

Wastewater analysis results of Ammonia, BOD, TKN, TP, TDS and Sulphate exceeded the respective limits set by the LTWSA during the report period. Baiada has had ongoing issues with water quality attributed to the WWTP and is continuing WWTP improvement works/upgrades in consultation with Council (see **Section 7.1.3**). However, Council has indicated that further correction of TP levels is not advised. The new WWTP was fully commissioned at the end of the previous reporting period. This has improved the quality of the wastewater during the report period significantly in the average of all wastewater analysis results, with the exception of TP and TDS. Council is aware of these exceedances and, where appropriate, cost penalties have been imposed on Baiada.

**Table 16** compares the 2020-21 reporting period average wastewater analysis results at Oakburn against those from the previous 2018-19 and 2019-20 reporting periods.

**Table 16 Comparison of Wastewater Analysis Results**

Parameter (mg/L)	2018-19	2019-20	2020-21	Conditioned Limit
	Average	Average	Average	
pH	7.8	8.0	8.5	7 to 9
Ammonia as Nitrogen	363	528	10	50
Biological Oxygen Demand (BOD)	52	144	39	300
Chemical Oxygen Demand (COD)	240	466	186	600
Total Kjeldahl Nitrogen (TKN)	376	571	32	100
Total Phosphorus (TP)	16.4	32	53	20
Oil and Grease	6	6	9	100

Total Suspended Solids (TSS)	100	238	49	300
Total Dissolved Solids (TDS)	1,388	1,672	1,989	1,000
Sulphate	1,256	1,173	344	500

Note: Red indicates exceedance of LTWSA limits.

During the 2020-21 reporting period, with the exception of the TDS and TP, the average results for all wastewater parameters are below the conditioned limit. Parameters TDS and TP have increased compared to the previous reporting periods.

Following the commission of the WWTP water quality predictions have been compared against the wastewater quality predictions made in the MOD 5 SEE, and are shown in **Table 15**. All wastewater analysis results are comparable to those targets set within the MOD 5 SEE. Parameters of Ammonia, TKN, TP and TDS during the report period are greater than predicted values.

### Wastewater Quantity

Condition 11 of Annexure A of the LTWSA imposes a daily limit of 450 kL of wastewater discharge from Oakburn. There were 22 days where the wastewater discharged from Oakburn exceeded the 450 kL limit. Baiada has stated that this is attributed to repairs to the CAL during the early stages of the operation of the new WWTP resulting in additional wastewater discharge. This ceased in April 2020 and PLC controls were implemented into the new WWTP discharge program to cease pumping operations when the 450kL limit was reached.

Council is provided with a copy of the discharge data on a monthly basis and is therefore aware of any exceedances.

A copy of the wastewater discharge quantity results are attached as **Appendix L**.

### 7.1.3 Further Improvement and Recommendations

Baiada should continue to implement the mitigation measures and management strategies in the *Management of Liquid Wastes and Contingency Plan (2019)*.

The ability to re-use wastewater onsite for land application will continue to be reviewed during the 2021-22 reporting period with baseline soil testing currently underway.

## 7.2 Stormwater Management

### 7.2.1 Environmental Performance Objective/Criteria

Condition B22 of SSD 9394 and Condition L1.1 of EPL 7566 specifies that the licensee must comply with Section 120 of the POEO Act, which prohibits the pollution of waters.

### 7.2.2 Environmental Performance

Stormwater generated within the bounds of the Oakburn development is managed in accordance with the *Stormwater Management Plan (2019)* prepared in accordance with Condition 18a of DA 53/97 and attached as **Appendix J**.

Some of the measures implemented at Oakburn to minimise the potential for downstream water pollution as a result of stormwater runoff are:

- Appropriate erosion and sediment controls have been installed and are maintained during the construction of the WWTP. All disturbed lands will be promptly stabilised and revegetated / rehabilitated;
- Stormwater management infrastructure, comprising a series of conventional stormwater pipes and grassed drains, is in place to effectively contain and manage the increased runoff generated as a result of the facility in order to protect downstream water resources;
- The main operational areas are fully sealed and impervious to the percolation of possible contaminants;
- Earthen bunds located at the north and south of the WWTP are in place to monitor the condition of runoff prior to discharging and catch water in the event of a major spill at the site;
- No long-term stockpiling, storage or disposal of waste products on site;
- A weekly site inspection is undertaken to identify any potentially pollution issues, such as leaks and spills;
- Appropriate chemical management systems are in place and all chemicals are stored in appropriately bunded areas; and
- Spill kits and adequate supplies of absorbent material are stored on-site.

Furthermore, spill response training is undertaken annually and education programs are initiated to encourage proper maintenance of plant and equipment. The training involves familiarisation with the stormwater and liquid waste schematics/diagrams, which shows the location and operation of the various system components.

In addition, the PIRMP details key actions to minimise the occurrence of a pollution incident and, if necessary, manage a pollution incident. It also details the procedures for notification of pollution incidents resulting in or having the potential to cause material harm to the environment.

There were no incidents in relation to stormwater management during the 2020-21 reporting period. The PIRMP was not required to be activated during the reporting period.

### 7.2.3 Further Improvement and Recommendations

Baiada should continue to implement the mitigation measures and management strategies in the *Stormwater Management Plan* (2019) designed to prevent impact to downstream water resources.

## 7.3 Water and Energy Efficiency

### 7.3.1 Environmental Performance Objective/Criteria

Condition 44 of DA 53/97 requires that the development is energy and water efficient in accordance with industry best practice, to the satisfaction of the Secretary.

### 7.3.2 Environmental Performance

The *Water and Energy Efficiency Program* (2019) is implemented at Oakburn in accordance with Condition 45 of DA 53/97, and is attached as **Appendix K**.

During the 2020-21 reporting period Baiada received a grant from DPIE under manufacturing efficiency funding to undertake audits in energy efficiency. These included a *Compressed Air Survey* (ERM, 2020) and an *Energy Reduction Plan* (ERM, 2020) from which recommendations have been made to increase efficiency at the site. Several of these recommendations have been implemented and further actions continue to be put in place.

## Water Consumption

The water supply requirements for Oakburn are serviced via the site’s connection to Council’s reticulated water supply infrastructure. This is supplemented by rainwater collected on site. The facility does not consume a high volume of water, with the primary areas of use being steam generation, cooling towers, biofilters, cleaning and staff amenities. Water use for cleaning and amenities is small compared to that used for steam generation and cooling tower use, which is a major part of the rendering process.

A number of additional water saving initiatives were implemented at the site during the 2020-21 reporting period which have significantly reduced water consumption at the site including:

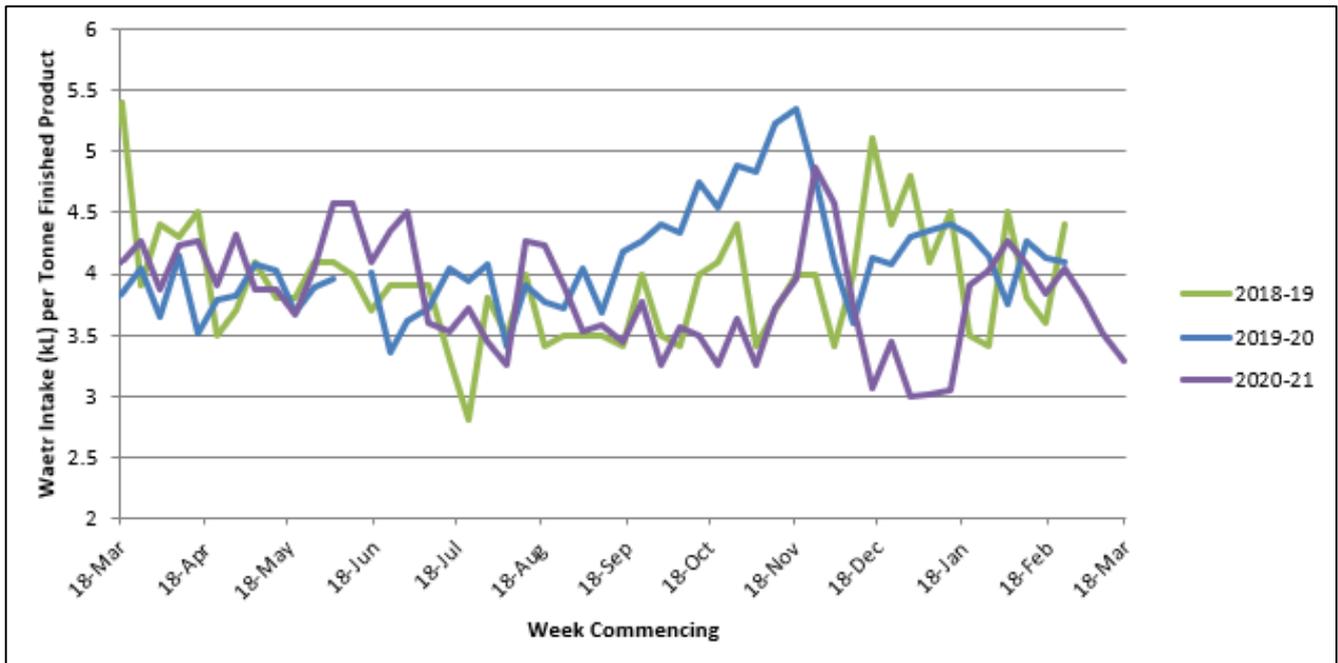
- Recycling of water from the vacuum pumps to the cooling towers;
- Installation of a side stream filter on the large cooling tower which reduces bleeds to the system and reduces water usage; and
- Metering enabling leaks identified and repair promptly.

Water consumption is monitored by reading and recording the site’s water meter on a weekly basis. Total water consumption over the 2020-21 reporting period, and also over previous reporting periods, is presented in **Table 17** and shown in **Figure 2**.

**Table 17 Water Consumption**

Service	Reporting Period	Average Consumption per Tonne Raw Material (kL)	Average Consumption per Tonne Finished Product (kL)
Water	2018-19	1.3	4.1
	2019-20	1.3	4.1
	2020-21	1.1	3.8

**Figure 2 Water Consumption (per Tonne of Finished Product)**



As evident in **Table 17**, the average water consumption per tonne of raw material over the 2020-21 period was comparable to previous years. **Figure 2** shows the water consumed per tonne of finished product over the 2020-21 reporting period varied between 3.0 and 4.9 kL, with an average water use per tonne of finish product of 3.8 kL. This is lower than the average of 4.1 kL per tonne of finished product in the 2019-20 reporting period. This decrease is attributed to the additional water saving initiatives implemented at the site.

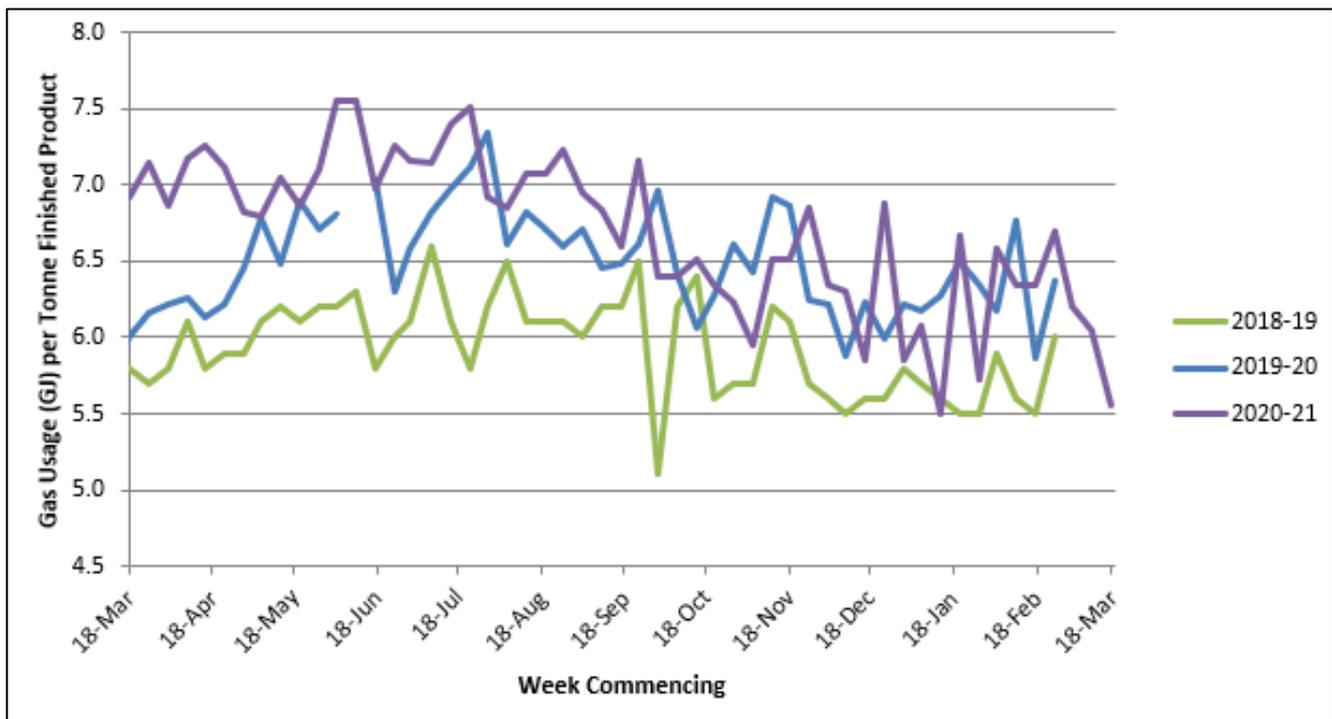
## Gas Consumption

RNG is provided by the site’s connection to the Central Ranges Pipeline. RNG is used to generate thermal energy in the form of steam, which is the major area of consumption, and hot water. Baiada also uses LNG at the Oakburn complex. Gas consumption over the 2020-21 reporting period, and also over previous reporting periods, is presented in **Table 18** and shown in **Figure 3**.

**Table 18 Gas Consumption**

Service	Reporting Period	Average Consumption per Tonne Raw Material (GJ)	Average Consumption per Tonne Finished Product (GJ)
Gas	2018-19	2.0	6.2
	2019-20	2.0	6.5
	2020-21	2.0	6.7

**Figure 3 Gas Consumption (per Tonne of Finished Product)**



As evident in **Table 18**, the average gas consumption per tonne of raw material during the 2020-21 period was comparable with the previous reporting period. The gas consumed per tonne of finished product over the 2020-21 reporting period varied between 5.5 and 7.6 GJ, with an average gas use of 6.7 GJ per tonne of finished product (see **Figure 3**). This is slightly higher than the average of 6.5 GJ per tonne of finished product in the 2019-20 reporting period. Baiada attributes this increase to lower intakes which make the plant less efficient due to additional start-ups and shutdowns.

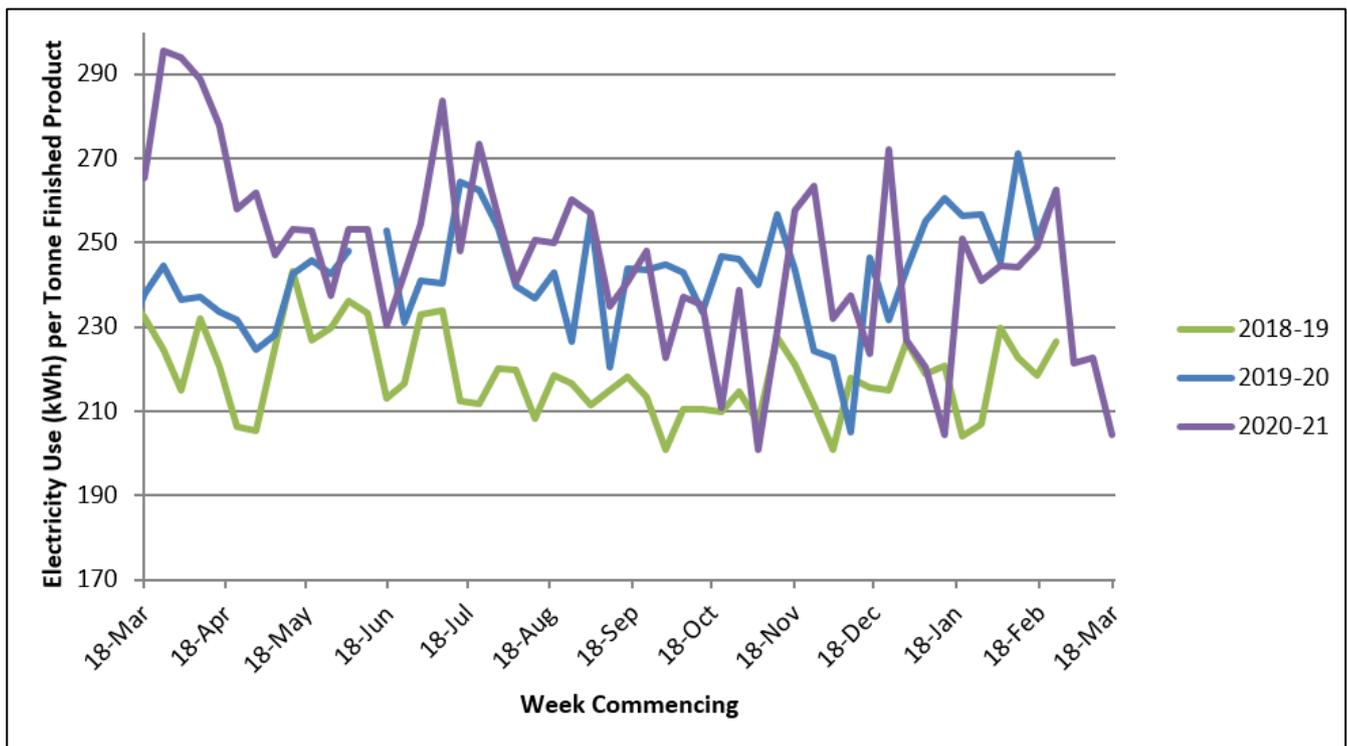
## Electricity Consumption

The electricity requirements for Oakburn are serviced via the site’s connection to Essential Energy’s reticulated electricity infrastructure. The main areas of electricity use are the cooker extraction fan and motor, biofilter fan, general lighting and staff amenities. Electricity consumption over the 2020-21 reporting period, and also previous reporting periods, is presented in **Table 19** and shown in **Figure 4**.

**Table 19 Electricity Consumption**

Service	Reporting Period	Average Consumption per Tonne Raw Material (kWh)	Average Consumption per Tonne Finished Product (kWh)
Electricity	2018-19	71.9	225.9
	2019-20	75.6	242.0
	2020-21	73.7	246.4

**Figure 4 Electricity Consumption (per Tonne of Finished Product)**



As evident in **Table 19**, the average electricity consumption per tonne of raw material during the 2020-21 reporting period was comparable to the previous reporting period. The electricity consumed per tonne of finished product over the 2020-21 reporting period varied between 201 and 296 kWh, with an average electricity use of 246 kWh per tonne of finished product (see **Figure 4**). This is slightly higher than the average of 242 kWh per tonne of finished product in the 2019-20 reporting period. Baiada attributes this increase to lower intakes which make the plant less efficient due to additional start-ups and shutdowns.

### 7.3.3 Further Improvement or Recommendations

The use of water, natural gas and electricity at Oakburn should continue to be managed in accordance with the *Water and Energy Efficiency Program (2019)*. Baiada will continue to improve the efficiency of operations where possible to reduce energy use in future reporting periods including further implementing recommendations of the recent audits.

## 8 Landscaping and Rehabilitation

Baiada has established landscape plantings along the entrance to the site in an attempt to improve the visual appearance of Oakburn. Additional plantings have also been established along the site's northern, western and southern boundaries. As the plantings continue to mature, they will work to further improve the screening of the plant along with improving the visual and environmental amenity of the site.

Since the completion of the replacement rendering plant in 2014, the grounds of Oakburn have all undergone extensive landscaping. As shown in **Photo 1** landscaped gardens have been established along the front side of the building, along with strategically planted trees. The landscaping is regularly maintained, along with mowing and weeding.

**Photo 1** Landscaping



In accordance with Condition B72 of SSD 9394, Baiada will prepare and implement a *Landscape Management Plan* prior to the commencement of operation of the new development.

## 9 Independent Environmental Audit

In accordance with Schedule 4, Condition 51 of DA 53/97, an Independent Environmental Audit (IEA) is required to be undertaken at Oakburn every three years.

The onsite component of the IEA meeting was completed on 14 March 2019. The IEA was prepared to cover the reporting period between 8 March 2016 to 24 April 2019 (inclusive) and identified eight administrative non-compliances with the Consent.

A number of recommendations have also been made and are outlined in **Table 20** along with the response provided by Baiada and any additional action undertaken/required. Where recommendations were completed during the previous reporting period, these have been excluded from **Table 20**.

As required under Condition C20 of SSD 9394, the next IEA will be held within twelve months of the issue of SSD 9394. Therefore, the next IEA must be undertaken by 18 December 2021.

**Table 20 IEA Recommendations and Responses/Actions**

Condition	Recommendation	Baiada Response	Action Completion Date	Baiada Action
4-50	Ensure all future annual reviews are sent to all the required regulatory agencies under this condition. Compliance may also be verified by uploading the Annual Reviews to Baiada's website and providing notification to the regulators.	All future Annual Reviews to be sent to DPIE, EPA, Council and Water in NSW.	May 2021	A copy of this Annual review will be sent to DPIE, EPA, Council and Water in NSW.
4-50a	Seek approval from DPIE for authors for all future annual reviews.	This has been undertaken since 16-17 Review and will continue to be done.	Ongoing	See Section 2.3 and Appendix A.
4-50fiii	Include further comparisons of operations to predicted impacts in future Annual Reviews such as water quality pollutant loads (refer to Table 6 of the MOD 5 SEE).	This has been completed for the 18-19 Review.	May 2021	See Sections 6 and 7.
4-50jii	It is recommended future annual reviews include more detailed waste monitoring results such as total waste produced and conversion to recycling for each waste product category.	This has been completed for the 18-19 Review.	May 2021	See Section 6.3.

## 10 Complaints

### 10.1 Complaints Management

A management system for complaints and reportable incidents (including a standardised Form and National Register) is maintained for all Baiada sites, including Oakburn. All complaints are reported to the Site Manager and the relevant details are recorded on an *Environmental Incident and Complaint Record Sheet* in accordance with Condition M2 of EPL 7566.

In accordance with Condition M3 of EPL 7566, Baiada has established a 24-hour hotline number for the purpose of receiving feedback and/or complaints from the public. This number is displayed at the entrance to the site on the front gate. The Baiada website can also be consulted ([www.baiada.com.au](http://www.baiada.com.au)).

The *Odour Management Plan* (2019) in **Appendix G** provides a complaint response and validation process specifically when complaints are received in relation to odour.

### 10.2 Complaints Received

Baiada has advised that no complaints were received in relation to Oakburn during the 2020-21 reporting period. A copy of the completed Environmental Incident and Complaint Register has been sighted by SLR.

The number of complaints regarding odour has improved during the 2020-21 reporting period compared to previous years. Baiada has advised that often the source of the odour is not able to be confirmed, with several other livestock processing and rendering facilities and intensive livestock production facilities in the nearby area.

**Table 22** compares the number of complaints received by Baiada in relation to Oakburn over the previous reporting periods.

**Table 21 Comparison of Complaints**

Report Period	Complaints Received
2018-19	13
2019-20	4
2020-21	0

As evident, the number of complaints received during the 2020-21 reporting period reduced to nil complaints from the 4 recorded in the previous 2019-20 and 13 recorded in the previous 2018-19 reporting period. This can be attributed to the performance of the replacement biofilter and additional air ducting to the WWTP which were commissioned during in August 2017, as well as process changes to the treatment of waste water.

Baiada will strive to maintain nil complaints received in relation to Oakburn, including working with Council and the EPA to improve the WWTP and odour emissions.

Baiada will also continue a proactive approach to community consultation and engagement, including intermittently phoning surrounding residents regarding odour emissions and effectiveness of controls and advertising the hotline number at the entrance to the site on the front gate.

## 11 Environmental Incidents and Non-Compliances

### 11.1 Incidents and Non-Compliance Management

As advised in **Section 10.1**, a management system for reportable incidents (including a standardised Form and National Register) is maintained for all Baiada sites, including Oakburn. All incidents are reported to the Site Manager and the relevant details are recorded on an *Environmental Incident and Complaint Record Sheet*.

In accordance with Conditions 48 and 49 of DA 53/97, and Condition C14 and Appendix 5 of SSD 9394, Baiada is required to immediately (within 24 hours) notify the DPIE and other relevant agencies of the detection of an exceedance of the limits/performance criteria in the consent or the occurrence of an incident that causes (or may cause) harm to the environment.

While Conditions 48 and 49 of DA 53/97 require a written report to these agencies within six days of the incident, Appendix 5 of SSD 9394 requires a detailed report on the incident within 30 days.

In accordance with Conditions C15-C17, a non-compliance notification must be submitted to DPIE within seven days after Baiada becomes aware of any non-compliance. A non-compliance which has been notified as an incident does not need to also be notified as a non-compliance.

### 11.2 Environmental Incidents

Baiada has advised that 4 environmental incidents occurred at Oakburn during the 2020-21 reporting period. Copies of the completed *Environmental Incident and Complaint Record Sheets* for the reporting period have been sighted by SLR and a summary is contained in **Table 22**.

**Table 22 Summary of Environmental Incidents**

Date	Nature of Incident	Cause	Actions Taken
5 May 2020	Minor leak in sewer pipe.	Significant rain events over the previous 3-months caused the weight of the concrete bollard on top to put pressure on the connection and dislodges on both suction points.	Line ceased being used immediately. Water sent to CAL with process water short term.
28 July 2020	WWTP discharge tank reached high level alarm and went to security notification.	Clear well pump continuously running and was not cut off when discharge tank was full. Operator error seemed to be the cause.	Equipment checks undertaken and clear well pump was isolated to stop flow. Additional training for night and afternoon staff on monitoring procedures. Discharge tank high level alarm adjusted to a lower level to allow additional response time if to occur in future.
30 July 2020	Minor dry fat spill from RJH truck.	Bin brought to site in an unclean state.	Spill was cleaned up and gravel removed to landfill and replaced. Issue raised with RJH.

Date	Nature of Incident	Cause	Actions Taken
30 January 2021	Gasket blown on CAL discharge line to SBR.	Compressor fault prevented air actuator from opening.	Site cleaned up and compressor replaced.

The PIRMP did not require activation as a result of any of the above incidents, and the incident reporting requirements of the development consent and EPL were not triggered.

**Table 23** compares the number of environmental incidents that occurred at Oakburn over the previous reporting periods.

**Table 23 Comparison of Environmental Incidents**

Report Period	Environmental Incidents Reported
2018-19	8
2019-20	11
2020-21	4

As evident, the number of environmental incidents in the 2020-21 reporting period decreased significantly from the 11 recorded in the previous reporting period.

### 11.3 Non-Compliances

As detailed in **Section 7.1.2**, wastewater parameters of Ammonia, BOD, TKN, TP, TDS and Sulphate exceeded the respective limits set by the LTWSA during the report period. Baiada attributes this to ongoing issues with the WWTP and is continuing WWTP improvement works/upgrades in consultation with Council.

There were also exceedances of the daily wastewater discharge limit to Council sewer. Council is provided a copy of the discharge data on a monthly basis and is therefore aware of any exceedances.

Discussion regarding the non-compliances and recommendations from the IEA are discussed in **Section 9**.

As listed in **Table 3**, these non-compliances are deemed to be “low risk” with potential for low environmental consequences. Council is aware of the exceedances and, where appropriate, cost penalties have been imposed on Baiada.

## 12 Activities to be Completed During the Next Reporting Period

Based on the findings of this Annual Review/Compliance Report, **Table 24** presents the actions and/or recommendations for Oakburn to address during the 2021-22 reporting period.

**Table 24 2021-22 Reporting Period Actions or Recommendations**

2021-22 Reporting Period Action or Recommendation	Timing
Operate the upgraded WWTP in accordance with the LTWSA	Ongoing
Maintain low number of odour complaints	Ongoing
Further reduce the number of incidents	Ongoing
Retest the suitability of the sludge for land application and subsequently apply to the EPA for a Sequential Biological Reactor Sludge Exemption	Ongoing
Continue to implement recommendations made in the recent audits of energy efficiency	Ongoing
Establish a site wide bird life monitoring program in line with condition B63 of SSD 9394	Within 6 months of the consent (June 2021)

# APPENDIX A

## DPIE Endorsement



Grant White  
National Environment and Sustainability Manager  
Baiada

By email only: [Grant.White@baiada.com.au](mailto:Grant.White@baiada.com.au)

03/02/2021

Dear Mr White

**Baiada Integrated Poultry Processing Facility (SSD-9394)  
Approval of Experts Request – AR 2020-21**

Reference is made to your post approval matter SSD-9394-PA-1, Approval of Experts Request – AR 2020-21, for the Planning Secretary's approval of suitably qualified persons to prepare the Baiada Integrated Poultry Processing Facility Annual Review 2020-21. The Department notes that Schedule 4, Condition 50 of DA53/97 as modified, requires the preparation of an Annual Review which must be prepared by a suitably qualified expert approved by the Planning Secretary. The Department also notes Baiada intention to have the Annual Review 2020-21, prepared in accordance with Schedule 4, Condition 50 of DA53/97 as modified, also meet the requirements of Schedule 2, Part C, Condition C18 of SSD-9394.

The Department has considered Baiada's request and approves Samantha Hayes and Renae Gifford of SLR Consulting Australia Pty Ltd (SLR) to prepare the Baiada Integrated Poultry Processing Facility Annual Review 2020-21. The Department notes that the Annual Review reporting period is 19 March – 18 March, therefore the 2020-21 Annual Review is to be submitted to the Department by 17 May 2020 (i.e. within 60 days of the end of the reporting period as per the Department's Annual Review Guidelines).

Please ensure this correspondence is appended to the Annual Review.

If you wish to discuss the matter further, please contact Joel Curran, Senior Compliance Officer on (02) 4904 2702 or [compliance@planning.nsw.gov.au](mailto:compliance@planning.nsw.gov.au)

Yours sincerely

A handwritten signature in black ink that reads 'H Watters'.

Heidi Watters  
Team Leader Northern  
Compliance

As nominee of the Planning Secretary

# APPENDIX B

## Government Agency Correspondence

## Council

### Baiada Oakburn Processing Complex - Annual Review



Samantha Hayes

To Briggs, Ross

Cc Emily Curtis; Renae Gifford



07-Apr-2021

Good Afternoon Ross

SLR are beginning to prepare the Annual Review for the Baiada Poultry's Oakburn Processing Complex in West Tamworth. The Annual Review is required under Schedule 4, Condition 50 of Development Consent DA 53/97 and will cover the reporting period from the 19 March 2020 to 18 March 2021.

I am seeking any comments that Council would like to see addressed in the Annual Review regarding the operational and/or environmental performance of this facility over the reporting period (including any incidents or complaints).

Thanks for your assistance.

Regards,

Samantha Hayes

#### Samantha Hayes

Associate - Environmental Assessment & Management

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+61 2 4037 3200

+61 417 634 982

shayes@slrconsulting.com

SLR Consulting Australia Pty Ltd

10 Kings Road, New Lambton, NSW, Australia, 2305

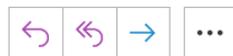
### RE: Baiada Oakburn Processing Complex - Annual Review



Briggs, Ross <r.briggs@tamworth.nsw.gov.au>

To Samantha Hayes

Cc Emily Curtis; Renae Gifford; Hobson, Janine



09-Apr-2021

Hey Samantha,

We have no issues outside what is normally reported on to include in your Annual review.

Thankyou for consulting with us.

#### Ross Briggs

Manager, Compliance

02 6767 5825 | [r.briggs@tamworth.nsw.gov.au](mailto:r.briggs@tamworth.nsw.gov.au)

437 Peel Street

PO Box 555 Tamworth NSW 2340

[www.tamworth.nsw.gov.au](http://www.tamworth.nsw.gov.au)



# EPA

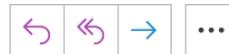
## Baiada Oakburn Processing Complex - Annual Review



Samantha Hayes

To Indumini Kariyawasam

Cc Emily Curtis; Renae Gifford; armidale@epa.nsw.gov.au



07-Apr-2021

Good Afternoon Indumini,

SLR are beginning to prepare the Annual Review for the Baiada Poultry's Oakburn Processing Complex in West Tamworth. The Annual Review is required under Schedule 4, Condition 50 of Development Consent DA 53/97 and will cover the reporting period from the 19 March 2020 to 18 March 2021.

I am seeking any comments that the EPA would like to see addressed in the Annual Review regarding the operational and/or environmental performance of this facility over the reporting period (including any incidents or complaints).

Thanks for your assistance.

Regards,

Samantha Hayes

### Samantha Hayes

Associate - Environmental Assessment & Management

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shayes@slrconsulting.com

SLR Consulting Australia Pty Ltd

10 Kings Road, New Lambton, NSW, Australia, 2305

**From:** Ingrid Carruthers

**Sent:** Monday, 26 April 2021 12:27 PM

**To:** Samantha Hayes <[shayes@slrconsulting.com](mailto:shayes@slrconsulting.com)>

**Cc:** Jasmine Walden <[Jasmine.Walden@epa.nsw.gov.au](mailto:Jasmine.Walden@epa.nsw.gov.au)>

**Subject:** RE: Baiada Oakburn Processing Complex - Annual Review

Hi Samantha,

Thank you for your email and for the opportunity to provide comment on the Annual Review (AR) for Baiada's Oakburn complex.

The EPA does not have any specific requirements for inclusion in the AR. However, please note that it is a requirement for activities at the premises to remain consistent with relevant approvals, Environment Protection Licence No. 7566 and the *Protection of the Environment Operations Act 1997*.

If you have any questions, or wish to discuss this matter further, please feel free to contact me on the details listed below.

Thank you and kind regards,

**Ingrid Carruthers**

Operations Officer

Regulatory Operations

NSW Environment Protection Authority

D 02 6773 7011 | M 0427 028 791

.....



[www.epa.nsw.gov.au](http://www.epa.nsw.gov.au) @NSW\_EPA

*The EPA acknowledges the traditional custodians of the land and waters where we work. As part of the world's oldest surviving culture, we pay our respect to Aboriginal elders past, present and emerging.*

Report pollution and environmental incidents 131 555 or +61 2 9995 5555

## Water NSW

### Baiada Oakburn Processing Complex - Annual Review



Samantha Hayes

To 'customer.helpdesk@waternsw.com.au'

Cc Emily Curtis; Renae Gifford



07-Apr-2021

Good Afternoon,

SLR are beginning to prepare the Annual Review for the Baiada Poultry's Oakburn Processing Complex in West Tamworth. The Annual Review is required under Schedule 4, Condition 50 of Development Consent DA 53/97 and will cover the reporting period from the 19 March 2020 to 18 March 2021.

I am seeking any comments that Water NSW would like to see addressed in the Annual Review regarding the operational and/or environmental performance of this facility over the reporting period (including any incidents or complaints).

Thanks for your assistance.

Regards,  
Samantha Hayes

**Samantha Hayes**

Associate - Environmental Assessment & Management

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SLR Consulting Australia Pty Ltd

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# APPENDIX C

## Development Consents

# Development Consent (Consolidated version)

Section 91 of the *Environmental Planning and Assessment Act 1979*

Chris Wilson  
**Executive Director**  
**Major Project Assessment**

MOD 4 - December 2009 (Remove unlawful condition, redefining stages)

MOD 5 - January 2014 (Replacement rendering plant)

Sydney

2009

---

## SCHEDULE 1

<b>Development Application:</b>	DA 53/97.
<b>Applicant:</b>	Baiada Poultry Pty Ltd.
<b>Consent Authority:</b>	Minister for Planning.
<b>Land:</b>	Lot 100 DP 1097471, "Oakburn", in the Tamworth local government area.
<b>Development:</b>	A poultry processing complex.

---

## DEFINITIONS

AEMR	Annual Environmental Management Report
Applicant	Baiada Poultry Pty Ltd, or its successor
BCA	Building Code of Australia
Council	Tamworth Regional Council
DA	Development Application DA 53/97
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 Infrastructure
Development	A chicken processing facility (with an input capacity of 1 million birds per week), a deboning plant, processed product plant, protein recovery plant and associated infrastructure
Director-General	Director-General of the Department (or delegate)
EIS	Environmental Impact Statement
EPA	Environment Protection Authority
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>
EP&A Regulation	<i>Environmental Planning &amp; Assessment Regulation 2000</i>
EPL	Environmental Protection Licence
Evening	The period from 6pm to 10pm
Minister	Minister for Planning and Infrastructure
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
Reasonable and Feasible	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. Feasible relates to engineering considerations and what is practical to build
Replacement rendering plant	The development described by application to modify consent number DA53/97 Mod 5
RMS	Roads and Maritime Services
SEE	Statement of Environmental Effects titled <i>Statement of Environmental Effects, Section 96(2) Modification Application, Oakburn Processing Complex, Lot 100 in DP 1097471, Oxley Highway, Tamworth NSW</i> , volumes 1 and 2, dated 28 May 2008 and additional information dated 29 September 2008 and 13 November 2008.
Site	the land described in Schedule 1
Stage 1	Construction and operation of the Protein Recovery Plant
Stage 2	Poultry Processing Facility (includes a processed products plant, deboning plant and processing plant with a kill capacity of 1 million birds per week).

## SCHEDULE 2

### ADMINISTRATIVE CONDITIONS

#### Obligation to Minimise Harm to the Environment

- 1) 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, operation or decommissioning of the development.

#### Terms of Approval

- 2) The development shall be carried out generally in accordance with:
  - a) Development Application 53/97 and supporting Environmental Impact Statement titled "*An Environmental Impact Statement for a Poultry Processing Complex at 'Oakburn', Oxley Highway Tamworth NSW*" prepared by Ellis Environmental Services Pty Ltd. dated September 1997.
  - b) DA 53/97 Mod 1, dated 22/02/1999;
  - c) DA 53/97 Mod 2, dated 13/08/2001;
  - d) DA 53/97 Mod 3 and supporting Statement of Environmental Effects titled "*Statement of Environmental Effects, Section 96(2) Modification Application, Oakburn Processing Complex, Lot 100 in DP 1097471, Oxley Highway, Tamworth NSW*";
  - e) DA 53/97 Mod 4 and supporting Statement of Environmental Effects titled "*Modification of Development Consent (DA 53/97) on Land at Oxley Highway, Tamworth (Lot 100 DP1097471)*";
  - f) DA53/97 Mod 5 and the report titled "*Environmental Assessment Report*", dated 29 November 2013 and prepared by PSA Consulting;
  - g) the site plan in Appendix A except as modified by the Development Application plans in Appendix B; and
  - h) the conditions of this consent.
- 3) If there is any inconsistency between the above, then the most recent document shall prevail to the extent of the inconsistency. However, the conditions of this consent shall prevail to the extent of any inconsistency.
- 4) Deleted.
- 5) The Applicant shall comply with any reasonable requirement/s of the Director-General arising from the Department's assessment of:
  - a) any reports, plans, strategies, programs or correspondence that are submitted in accordance with this approval; and
  - b) the implementation of any actions or measures contained in these reports, plans, strategies, programs or correspondence.

#### Limits on Approval

- 6) The Applicant shall ensure the development does not exceed a maximum processing volume of:
  - a) 120 tonnes of material per day in the protein recovery plant; and
  - b) 1 million birds per week in the processing plant (Stage 2).

#### Statutory Requirements

- 6a) The Applicant shall ensure that all licences, permits and approval/consents are obtained as required by law and maintained as required throughout the life of the Development. No condition of this consent removes the obligation for the Applicant to obtain, renew or comply with such licences, permits or approval/consents.

#### Management Plans/Monitoring Programs

- 7) With the approval of the Director-General, the Applicant may submit any management plan or monitoring program required by this approval on a progressive basis.
- 7a) Within 3 months of any modification approval, the Applicant must prepare and implement a revised version of any relevant management plan or monitoring program required by this approval to the satisfaction of the Director-General.

#### Structural Adequacy

- 8) The Applicant shall ensure that any new buildings and structures on the site are constructed in accordance with the relevant requirements of the 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 development.*

### **Protection of Public Infrastructure**

- 9) The Applicant shall:
  - a) prepare a dilapidation report of the public infrastructure in the vicinity of the site (including roads, gutters, footpaths, etc) in consultation with Council and the RMS to the satisfaction of the Director-General, prior to the commencement of construction of Stage 2;
  - b) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the development; and
  - c) relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the development.
- 10) Prior to the issue of a construction certificate for any utility works, the Applicant shall obtain the relevant approvals from service providers, including Council.

### **Operation of Plant and Equipment**

- 11) The Applicant shall ensure that all plant and equipment used on the site is maintained and operated in a proper and efficient manner, and in accordance with relevant Australian Standards.

### **Compliance**

- 12) Prior to the commencement of construction of Stage 2, and again prior to the commencement of operations of Stage 2, or within such period otherwise agreed by the Director-General, the Applicant must certify in writing to the satisfaction of the Director-General, that it has complied with all conditions of this consent applicable prior to that event.
- 13) Notwithstanding condition 12) of this consent, the Director-General may require an update on compliance with all, or any part, of the conditions of this consent. Any such update shall meet the reasonable requirements of the Director-General and be submitted within a period determined by the Director-General.

## SCHEDULE 3 SPECIFIC ENVIRONMENTAL CONDITIONS

### SOIL AND WATER

#### Discharge Limits

- 14) Except as may be expressly provided in an Environmental Protection Licence for the development, the Applicant shall comply with Section 120 of the *Protection of the Environment Operations Act 1997*.
- 15) All wastewater from staff facilities shall be discharged direct to the sewerage system to the satisfaction of Council.

#### Bunding

- 16) All chemicals, fuels, oils and wastewater shall be stored in appropriately banded areas, with impervious flooring and sufficient capacity to contain 110% of the largest container stored within the bund. The bund(s) shall be designed and installed in accordance with the:
- a) requirements of all relevant Australian Standards; and
  - b) EPA's *Storing and Handling Liquids: Environmental Protection – Participants Manual*.

#### Erosion and Sediment Controls

- 17) The Applicant shall implement Erosion and Sediment Controls for the development which must:
- a) be consistent with the requirements of Landcom's (2004) *Managing Urban Stormwater: Soils and Construction* manual;
  - b) manage activities that could cause soil erosion and generate sediment;
  - c) minimise soil erosion and the potential for the transport of sediment to downstream waters;
  - d) be maintained throughout construction; and
  - e) be upgraded if required by the Director-General.

#### Stormwater Management Plan

- 18) The Applicant shall prepare and implement a Stormwater Management Plan for the development to the satisfaction of the Director-General. The plan must:
- a) be prepared in consultation with Council and **NOW**, and be approved by the Director-General prior to the commencement of construction of Stage 2;
  - b) be prepared in accordance with EPA's *Managing Urban Stormwater: Council Handbook*; and
  - c) include details of:
    - pre and post development flows;
    - water quality;
    - the existing and proposed stormwater detention, treatment and control infrastructure; and
    - measures to maintain this infrastructure and the proposed monitoring of stormwater quantity and quality during operation of the development.
- 18a) The Applicant shall prepare and implement a Stormwater Management Plan for the replacement rendering plant to the satisfaction of the Director-General. The plan must:
- a) be prepared in consultation with Council and the EPA, and be approved by the Director-General by the end of March 2014;
  - b) be generally consistent with the *Oakburn Rendering Plant Stormwater Management Plan* dated 25 November 2013 prepared by J. Wyndham Prince Pty Ltd, except for revisions that may be required by Council or the EPA.

#### Wastewater Management

- 19) The Applicant shall prepare and implement a Wastewater Management Plan for the development to the satisfaction of the Director-General. The plan must:
- a) be prepared in consultation with Council and the EPA, and be approved by the Director-General within 3 months of the date of approval of DA 53/97 Mod 3;
  - b) be updated and approved by the Director-General, prior to the commencement of construction of Stage 2;
  - c) include the final design of the trade waste facility (for stage 2);
  - d) characterise the quantity and quality of wastewater produced by the development;
  - e) detail the measures to treat and dispose of wastewater;
  - f) identify the criteria/limits for the disposal of treated wastewater;
  - g) confirm Council are able to accept this wastewater; and
  - h) include:
    - detailed plans of pipelines, pumps and other infrastructure and connections to Council's system, to be upgraded during Stage 2, ensuring the infrastructure is designed to the relevant Australian Standards and alarms and monitoring systems would detect any leaks or failures;

- details of the additional odour capture, treatment and mitigation required as a result of the wastewater treatment plant (for stage 2);
- a program to monitor and report the quantity and quality of treated wastewater;
- a maintenance program and contingencies should a breakdown occur; and
- a protocol for the investigation, notification and mitigation of identified exceedances of the criteria/limits for the disposal of treated wastewater.

## WASTE

- 20) During the construction and operation of the development the Applicant shall implement all reasonable and feasible measures to minimise the waste generated by the development.
- 21) The Applicant shall ensure that all waste generated on the site is classified in accordance with the EPA's *Waste Classification Guidelines: Part 1 Classifying Waste* and disposed of to a facility that may lawfully accept the waste, or managed in accordance with resource recovery exemptions as approved by the EPA.

## Waste Management Plan

- 22) The Applicant shall update the Solid Waste Management Plan for the site in consultation with EPA and to the satisfaction of the Director-General. This plan must:
- a) be submitted to the Director-General for approval within 3 months of the approval of DA 53/97 MOD 3;
  - b) be revised and submitted to the Director-General for approval prior to the commencement of operation of Stage 2;
  - c) characterise (or provide a program to characterise) all waste imported, exported and re-used on site according to the current waste classification guidelines, and include procedures for classifying each of the waste materials;
  - d) include details of the quantities and destinations of all waste materials;
  - e) describe the measures in place to minimise and manage waste, including any existing and proposed land application;
  - f) describe the options available to further reduce and reuse waste;
  - g) confirm that all waste materials are sent to sites that can lawfully accept the waste; and
  - h) include a:
    - a program to monitor and report the quantity and quality of waste and any impacts associated with land application of the waste; and
    - a protocol for the investigation, notification and mitigation of identified impacts or exceedances of the criteria/limits for the disposal of treated waste.

## AIR

- 23) The Applicant shall carry out all reasonable and feasible measures to minimise dust generated by the development.
- 24) During construction, the Applicant shall ensure that:
- a) all trucks entering or leaving the site with loads have their loads covered;
  - b) trucks associated with the development do not track dirt onto the public road network; and
  - c) public roads used by these trucks are kept clean.

## Odour

- 25) Except as may be expressly provided in an EPL for the development, the Applicant shall ensure that the development complies with Section 129 of the *Protection of the Environment Operations Act, 1997*.

*Note: Section 129 of the Protection of the Environment Operations Act 1997, provides that the Applicant must not cause or permit the emission of any offensive odour from the site, but provides a defence if the emission is identified in the relevant environment protection licence as a potentially offensive odour and the odour was emitted in accordance with the conditions of a licence directed at minimising odour.*

- 26) The Applicant shall prepare and implement an Odour Management Plan, in consultation with the EPA, outlining measures to minimise odour impacts associated with the operation. The Plan must:
- a) be approved by the Director-General with 3 months of the approval of DA 53/97 Mod 3;
  - b) be revised and approved by the Director-General prior to commencement of operation of Stage 2;
  - c) identify all point and diffuse sources of odour associated with the operation;
  - d) confirm (with engineering details where relevant) that the odour control equipment has the design capacity to treat odour from all captured point sources (for stage 2);
  - e) include best practice odour mitigation and management practices to be implemented to ensure offensive odour impacts do not occur off-site (for stage 2);
  - f) include a program to monitor the effectiveness of the odour mitigation and management practices, associated with the operation of the development;
  - g) detail the proposed contingency measures should odour impacts occur;
  - h) detail the proposed maintenance procedures to ensure potential odour impacts are managed; and

- i) detail the odour complaints system to be implemented to record, investigate, report and action any odour complaints received.

## NOISE

### Construction and Operation Hours

27) The Applicant shall comply with the construction and operation hours in Table 1.

**Table 1: Construction Hours**

Activity	Day	Time
Construction	Monday – Friday	7am to 6pm
	Saturday	8am to 1pm
	Sunday and Public Holidays	Nil
Operation	All Days	Any time

#### Notes:

- Construction activities may be conducted outside the hours in Table 1 provided that the activities are not audible at any residence beyond the boundary of the site; and
- Emergency work to avoid the loss of life, property and/or prevent environmental harm may be undertaken outside the hours in Table 1.

### Noise Limits

28) The Applicant shall ensure that noise generated by the development does not exceed the noise limits presented in Table 2.

**Table 2: Construction and Operation Noise Limits (dB(A))**

Location	Construction		Operation							
			Day		Evening		Night			
	L <sub>Aeq</sub> (15 min)	dB(A)	L <sub>A1</sub> (1 min)	dB(A)						
Girrawheen	40		35		35		35		45	
Abbeylands	42		37		36		35		45	
The Billabong	48		43		39		37		47	
Airport South	50		45		41		39		49	

Note: Noise generated by the project is to be measured in accordance with the relevant requirements of the NSW Industrial Noise Policy.

### Noise Monitoring Program

- 29) The Applicant shall prepare and implement a Noise Validation Monitoring Program for the development to the satisfaction of the Director-General. The program must:
- be prepared in consultation with EPA, and be approved by the Director-General prior to the commencement of operations of Stage 2;
  - provide for monitoring and reporting of noise from the facility;
  - validate the monitoring data against the development noise limits; and
  - detail the contingencies that would be implemented should complaints or exceedances occur.

## TRANSPORT

### Road Upgrades

- 30) The Applicant shall ensure the following roadworks are completed prior to the commencement of construction of Stage 2, to the satisfaction of the RMS:
- the existing modified type B right-turn bay must be upgraded to an AUSTRROAD CHR right turn bay with adequate storage for B-Doubles;
  - the highway must be widened to provide an AUSTRROAD AUL left turn deceleration lane. The deceleration lane (including taper) must be at least 150m long; and
  - the existing access seal needs to be further extended into the property to prevent the fouling of the highways pavement.

### Vehicle Queuing, Parking and Transport

- 31) The Applicant shall ensure that:
- the internal road network and parking on site complies with Australian Standards AS 2890.1:2004 and AS 2890.2:2002;

- b) vehicular access to the site is constructed in accordance with the requirements of Council and the RMS;
  - c) all parking generated by the development is accommodated on site, and that no vehicles associated with the development shall park on the public road system at any stage;
  - d) the development does not result in any vehicles queuing on the public road network;
  - e) a travel demand management plan is prepared and implemented; and
  - f) suitable parking for bicycles and associated facilities including change rooms are provided at the facility,
- to the satisfaction of the Director-General.

## **ABORIGINAL AND CULTURAL HERITAGE**

- 32) In the event that Aboriginal objects are uncovered during the course of the development, then work in the immediate areas shall cease, the Director-General, the OEH and relevant Aboriginal Groups shall be notified and expert archaeological advice must be sought from an appropriately qualified professional. Works may only commence in this area with the written approval of the Director-General.

## **VISUAL**

### **Lighting**

- 33) The Applicant shall ensure that the lighting associated with the development:
- a) *complies with the latest version of Australian Standard AS 4282(INT) - Control of Obtrusive Effects of Outdoor Lighting; and*
  - b) is mounted, screened and directed in such a manner that it does not create a nuisance to surrounding properties, the airport or the public road network.

### **Airport**

- 34) The external materials and finishes of the buildings shall be non-reflective to the satisfaction of the Council, to avoid distraction to air crews.
- 35) All water and effluent storage tanks, dams and solid waste receptacles must be constructed and covered so as not to present an attraction to birds.

### **Landscape**

- 36) The Applicant shall prepare and implement a revised Landscape Management Plan for the development to the satisfaction of the Director-General. The plan must:
- a) be prepared in consultation with Council and be approved by the Director-General prior to the commencement of construction of Stage 2;
  - b) specify the number and species of trees to be planted along key boundaries, ensuring the plan uses endemic species only; and
  - c) provide for the maintenance of landscaping on the site.
- 37) Any proposed landscaping, fencing or signage is not to impede the desired sight lines of all road users including pedestrians and cyclists.

### **Advertising Structures**

- 38) The Applicant shall not install any signage, advertising or fencing, without the written approval of the Director-General. In seeking this approval the Applicant shall:
- a) submit detailed plans of the proposed signage, advertising or fencing, which have been prepared in consultation with Council; and
  - b) demonstrate that the proposed signage, advertising or fencing is consistent with the relevant requirements in the DCP.

## **HAZARDS**

- 39) During the detailed design of the development the Applicant must consider the potential hazards on site in accordance with *State Environmental Planning Policy No. 33 – Hazardous and Offensive Development* and the Department's publication "*Applying SEPP 33*". The Applicant must prepare hazards report to be approved by the Director-General prior to the commencement of operation of Stage 2. The report must include:
- a) details of the potential hazards on site;
  - b) details of the ammonia refrigeration plant; and
  - c) the measures undertaken to minimise and manage the potential hazards of the facility.
- 40) The Applicant must update the Emergency Plan for the development, to the satisfaction of the Director-General prior to the commencement of operations of stage 2. The plan must:
- a) identify the likely impact of breakdown and emergency scenarios;
  - b) describe the controls and procedures that would be implemented to prevent emergencies, including fire controls and maintenance schedules;

- c) describe the management measures that would be implemented should an emergency occur.
- 41) The gas pipeline to the complex shall be installed with an excess flow valve at either the source of the gas, or at the property boundary to provide for the shutdown of the line due to excess flow as a result of a break in the line or other cause.
- 42) The Applicant must ensure fire trucks access around the development is not restricted, to minimise the risk from bushfire.

#### **ANIMAL WELFARE**

- 43) The Applicant must ensure the development is designed and operated in accordance with the latest version of the:
- a) *Model Code of Practice for the Welfare of Animals: Livestock at Slaughtering Establishments*; and
  - b) *National Animal Welfare Standards at Livestock Processing Establishments Preparing Meat for Human Consumption, 2005: Standards & Work Manual*.

#### **WATER AND ENERGY EFFICIENCY**

- 44) The Applicant shall ensure the development is energy and water efficient, in accordance with industry best practice, to the satisfaction of the Director-General.
- 45) The Applicant shall prepare and implement a Water and Energy Efficiency Program for the development, to the satisfaction of the Director-General. The program must:
- a) be submitted to the Director-General for approval within 6 months of the approval of DA 53/97 MOD 3;
  - b) compare the proposed energy and water usage ratio of the development to other existing chicken processing facilities, and set benchmarks for industry best practice;
  - c) investigate energy and water efficiency measures available;
  - d) describe the measures that would be implemented onsite, demonstrating the use of best available technology;
  - e) include a program to monitor and report on the efficiency of the development, ensuring the development would continue to operate at industry best practice overtime.

**SCHEDULE 4  
ENVIRONMENTAL MANAGEMENT AND MONITORING**

**ENVIRONMENTAL MANAGEMENT STRATEGY**

- 46) The Applicant shall prepare and implement an Environmental Management Strategy for the development, to the satisfaction of the Director-General. The Strategy must:
- a) be approved by the Director-General prior to construction of Stage 2;
  - b) be updated and approved by the Director-General prior to operation of Stage 2, and every 3 years thereafter, unless otherwise agreed by the Director-General;
  - c) provide the strategic context for environmental management of the development;
  - d) identify the statutory and other obligations that apply to the development;
  - e) describe in general how the environmental performance of the development would be monitored and managed;
  - f) describe the procedures that would be implemented to:
    - keep the local community and relevant agencies informed about the, construction/operation and environmental performance of the development;
    - receive, handle, respond to, and record any complaints that are received;
    - resolve any disputes that may arise during the course of the development;
    - respond to any non-compliance; and
    - respond to emergencies;
  - g) describe the role, responsibility, authority, and accountability of all the key personnel involved in environmental management of the development; and
  - h) incorporate the various studies, plans and programs required under this approval.

**ENVIRONMENTAL MONITORING**

- 47) The Applicant must ensure all facilities at the site, including effluent pipelines and drains, stormwater drains, pumps, sumps and bund walls, are inspected on a weekly basis and after any significant rainfall event. Maintenance work is to be carried out immediately if any facility is not operating to its design capacity.

**ENVIRONMENTAL REPORTING**

**Incident Reporting**

- 48) As soon as practicable, and with the 24 hours following detection of an exceedance of the limits/performance criteria in this approval or the occurrence of an incident that causes (or may cause) harm to the environment, the Applicant shall notify the Department and other relevant agencies of the exceedance/incident.
- 49) Within 6 days of notifying the Department and other relevant agencies of an exceedance/incident, the Applicant shall provide the Department and these agencies with a written report that:
- a) describe the date, time, and nature of the exceedance/incident;
  - b) identify the cause (or likely cause) of the exceedance/incident;
  - c) describe what action has been taken to date; and
  - d) describe the proposed measures to address the exceedance/incident.

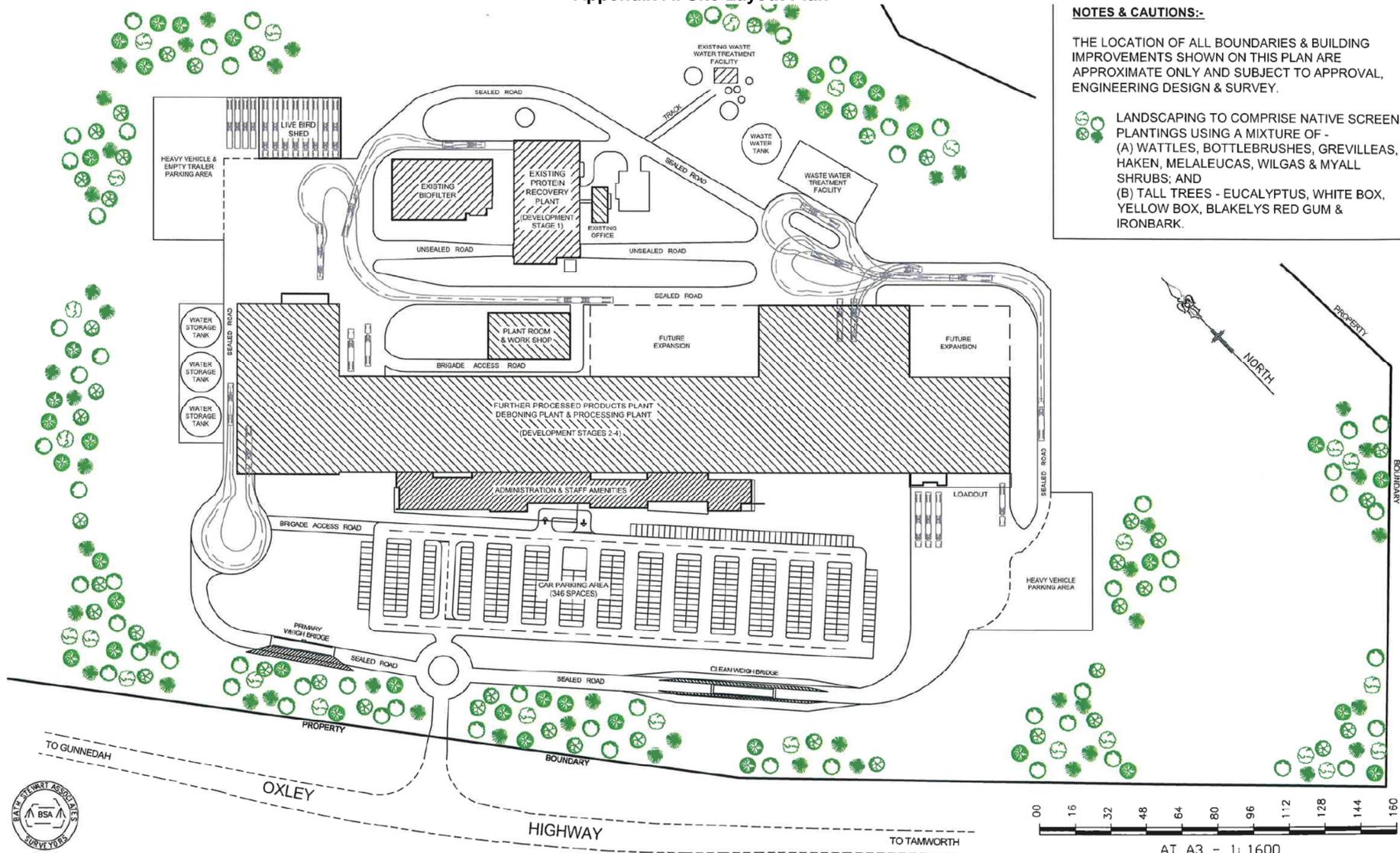
**Annual Reporting**

- 50) The Applicant shall submit an Annual Environmental Monitoring Report, every 12 months, to the Director-General and make copies available to the EPA, NOW and Council. This report must:
- a) be prepared by a suitably qualified expert approved by the Director-General;
  - b) be prepared to the satisfaction of the Director-General;
  - c) identify the standards and performance measures that apply to the development;
  - d) include a summary of the complaints received during the year, and compare this to the complaints received in the previous years;
  - e) include a summary of the monitoring results for the development during the past year;
  - f) include an analysis of these monitoring results against the relevant:
    - i. impact assessment criteria/limits specified in this consent and the EPL;
    - ii. monitoring results from previous years; and
    - iii. predictions in the SEE supporting DA 53/97 Mod 3;
  - g) identify any trends in the monitoring results over the life of the development;
  - h) identify any non-compliance during the previous year;
  - i) describe what actions were, or are being, taken to ensure compliance and improve the environmental performance of the facility; and
  - j) must include a copy of:
    - i. the Wastewater Monitoring Report;
    - ii. the Solid Waste Monitoring Report;
    - iii. the Odour Monitoring Report;
    - iv. the Water and Energy Efficiency Monitoring Report; and
    - v. the EPA EPL Annual Return.

## INDEPENDENT ENVIRONMENTAL AUDIT

- 51) Within 12 months of the approval of DA 53/97 Mod 3, and every 3 years thereafter, unless the Director-General 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, including an odour expert, whose appointment has been endorsed by the Director-General;
  - b) be undertaken in consultation with EPA, NOW and Council;
  - c) assess whether the development is being carried out in accordance with industry best practice;
  - d) assess the environmental performance of the development, and its effects on the surrounding environment and sensitive receivers;
  - e) assess whether the development is complying with the relevant standards, performance measures, and statutory requirements;
  - f) review the adequacy of any strategy/plan/program required under this approval; and, if necessary,
  - g) recommend measures or actions to improve the environmental performance of the development, and/or any strategy/plan/program required under this approval.
  
- 52) Within 6 weeks of completing this audit, or as otherwise agreed by the Director-General, the Applicant shall submit a copy of the audit report to the Director-General with a response to any recommendations contained in the audit report.
  
- 53) Within 3 months of submitting an audit report to the Director-General, the Applicant shall review and if necessary revise the strategy/plans/programs required under this approval to the satisfaction of the Director-General.

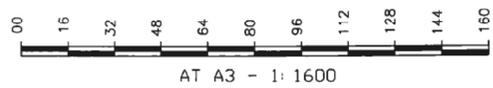
### Appendix A: Site Layout Plan



**NOTES & CAUTIONS:-**

THE LOCATION OF ALL BOUNDARIES & BUILDING IMPROVEMENTS SHOWN ON THIS PLAN ARE APPROXIMATE ONLY AND SUBJECT TO APPROVAL, ENGINEERING DESIGN & SURVEY.

LANDSCAPING TO COMPRISE NATIVE SCREEN PLANTINGS USING A MIXTURE OF -  
 (A) WATTLES, BOTTLEBRUSHES, GREVILLEAS, HAKEN, MELALEUCAS, WILGAS & MYALL SHRUBS; AND  
 (B) TALL TREES - EUCALYPTUS, WHITE BOX, YELLOW BOX, BLAKELYS RED GUM & IRONBARK.



**REAL PROPERTY DESCRIPTION**  
 OXLEY HIGHWAY  
 TAMWORTH NSW 2340  
 LOT 100 ON DP1097471  
 (TOTAL LAND PARCEL 57.64ha)  
 LOCAL GOVNT: TAMWORTH REGIONAL COUNCIL



**APPENDIX B – DEVELOPMENT APPLICATION PLANS (REPLACEMENT RENDERING PLANT)**

DATE	ISSUE	AMENDMENT	INITIAL	DATE	ISSUE	AMENDMENT	INITIAL
26/11/13	A	DA ISSUE	JP	26/11/13	P1	PRELIMINARY ISSUE FOR REVIEW	JP

AMENDMENTS

CONSULTANT	CLIENT
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**Baiada**  
 BAIADA POULTRY P/L  
 1154 Gunnsdahl Rd, Tamworth, NSW  
 HEAD OFFICE  
 P.O. BOX 21 Parula Hill NSW 2145  
 Telephone: (02) 3662 1030  
 Facsimile: (02) 3668 4816  
 Website: www.baiada.com.au

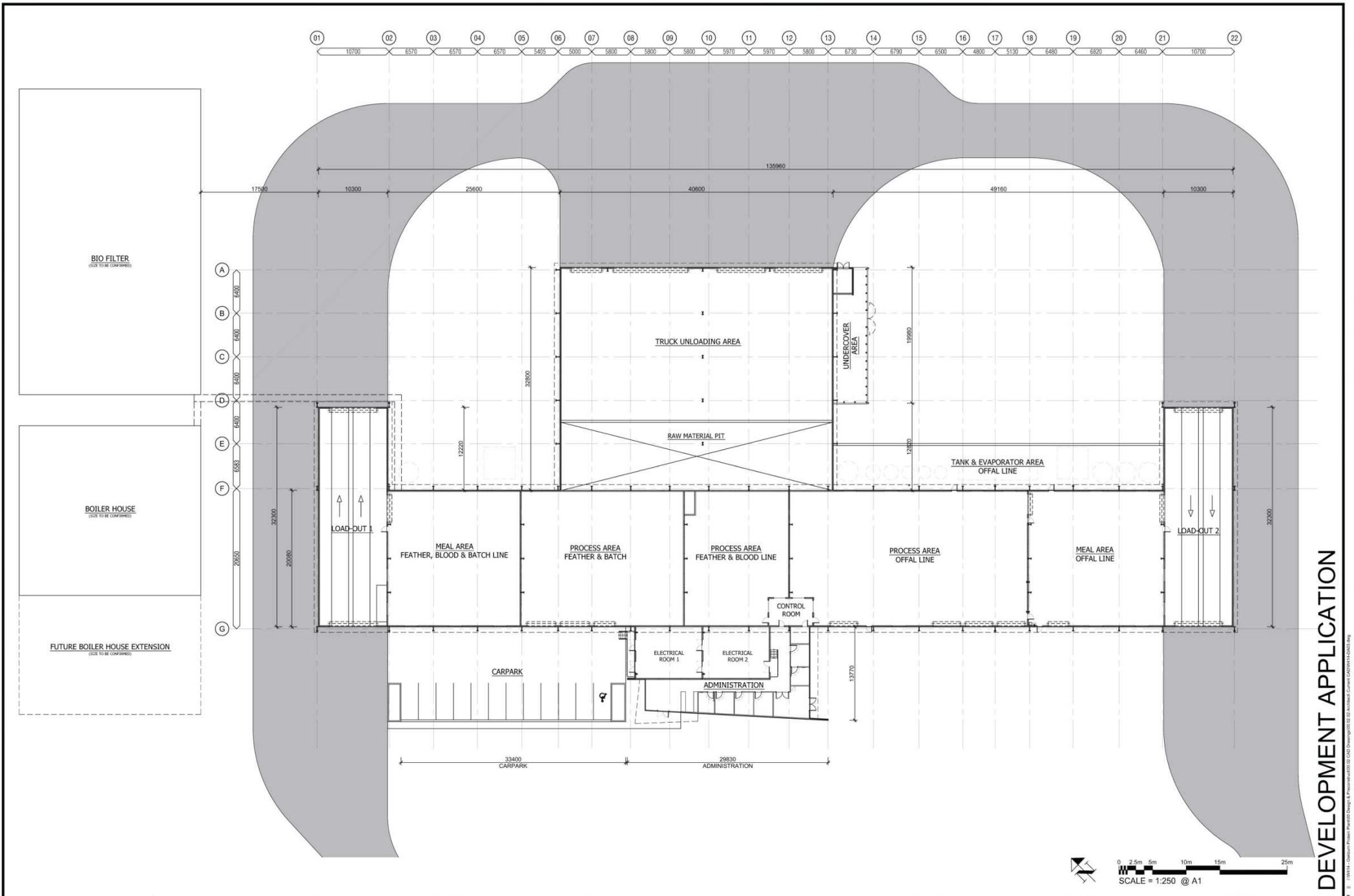
**WATPAC**  
 SPECIALTY SERVICES  
 Watpac: Specialty Services  
 ABN 59 010 722 335  
 Telephone: (02) 3362 1030  
 Facsimile: (02) 3362 1030  
 Website: www.watpac.com.au  
 Level 1, 12 Commercial Road  
 Newcastle NSW 2288  
 P.O. Box 2053  
 Fortitude Valley QLD 4006  
 Fax: (07) 3251 6192  
 Phone: (07) 3251 6300

PROJECT
OAKBURN PROTEIN RECOVERY PLANT OAKBURN NSW

DRAWING TITLE
PROPOSED SITE PLAN

SCALE	@ A1 = 1:1250 Do Not Scale from Drawings. Verify all Dimensions and Levels on Site.	@ A3 = NTS	PROJECT NUMBER	W414	BLDG NUMBER	01	
DRAWN	JP	CHECKED	PS	DRAWING NUMBER	DA02	ISSUE	A
DATE	NOVEMBER 2013	APPROVED	-				

DEVELOPMENT APPLICATION



DEVELOPMENT APPLICATION

DATE	ISSUE	AMENDMENT	INITIAL	DATE	ISSUE	AMENDMENT	INITIAL
26 11 13	A	DA ISSUE	JP				
26 11 13	P1	PRELIMINARY ISSUE FOR REVIEW	JP				

AMENDMENTS

CONSULTANT	CLIENT
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**Baiada**  
select poultry

**BAIADA POULTRY P/L**  
1154 Gunnsesh Rd, Tamworth, NSW

**HEAD OFFICE**  
P.O. BOX 21 Pardoie Hill NSW 2145  
Telephone: (02) 9842 3000  
Facsimile: (02) 9888 4818

**WATPAC**  
SPECIALTY SERVICES

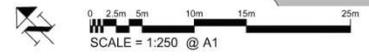
Watpac Specialty Services  
ABN 59 010 722 335  
a Subsidiary of Watpac Limited  
Level 1, 12 Commercial Road  
Newstead QLD 4006  
P.O. Box 2053  
Fortitude Valley QLD 4006  
Fax: (07) 3251 6362  
Phone: (07) 3251 9300  
Website: www.watpac.com.au

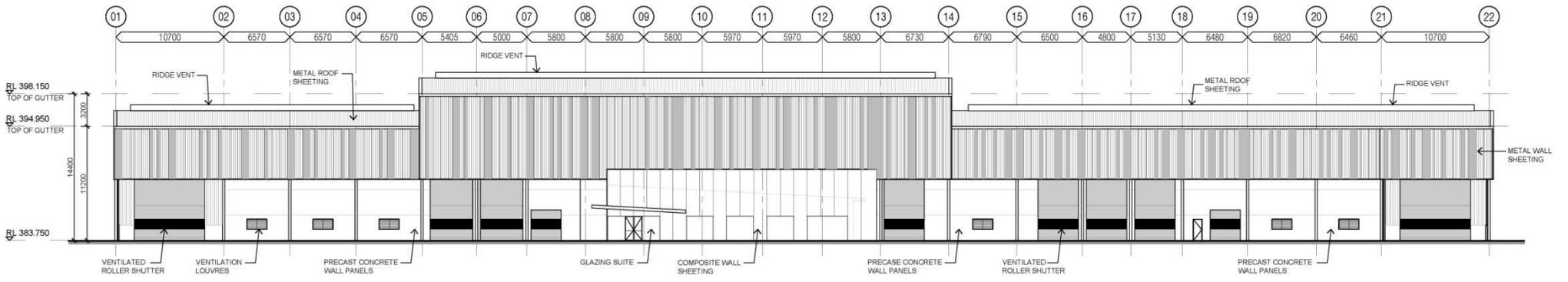
PROJECT
OAKBURN PROTEIN RECOVERY PLANT
OAKBURN NSW

DRAWING TITLE
PROPOSED GENERAL ARRANGEMENT PLAN

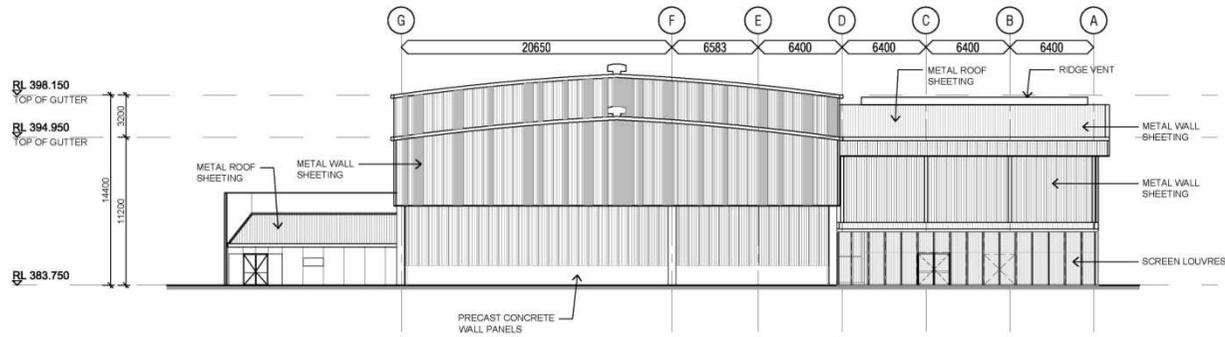
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DRAWN	CHECKED	DRAWING NUMBER
JP	PS	DA03
DATE	APPROVED	ISSUE
NOVEMBER 2013	-	A

DATE	APPROVED	ISSUE
NOVEMBER 2013	-	A





01 SOUTH ELEVATION  
1:200



02 EAST ELEVATION  
1:200

DEVELOPMENT APPLICATION

DATE	ISSUE	AMENDMENT	INITIAL	DATE	ISSUE	AMENDMENT	INITIAL
28.11.13	A	DA ISSUE	JP				
25.11.13	P1	PRELIMINARY ISSUE FOR REVIEW	JP				

AMENDMENTS

CONSULTANT	CLIENT
	<b>BAIADA POULTRY P/L</b> 1154 Galesden Rd, Tamworth, NSW HEAD OFFICE P.O. BOX 21, Penda Hill NSW 2145 Telephone: (02) 9862 1000 Facsimile: (02) 9888 4318

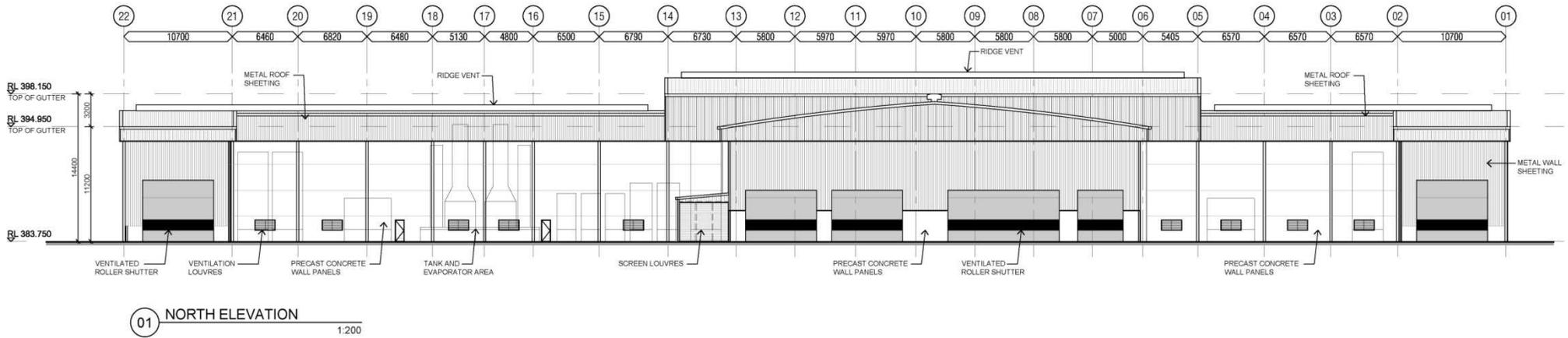
<b>WATPAC</b> SPECIALITY SERVICES Level 1, 12 Commercial Road Newcastle NSW 2060 PO Box 2053 Fortitude Valley QLD 4006 Fax: (07) 3251 6362 Phone: (07) 3251 6300 Website: www.watpac.com.au	PROJECT <b>OAKBURN PROTEIN RECOVERY PLANT</b> <b>OAKBURN NSW</b>
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DRAWN JP	CHECKED PS
DATE NOVEMBER 2013	APPROVED -

DRAWING TITLE <b>PROPOSED ELEVATIONS</b>	SCALE @ A1 = 1:200 @ A3 = NTS Do Not Scale From Drawings. Verify all Dimensions and Levels on Site
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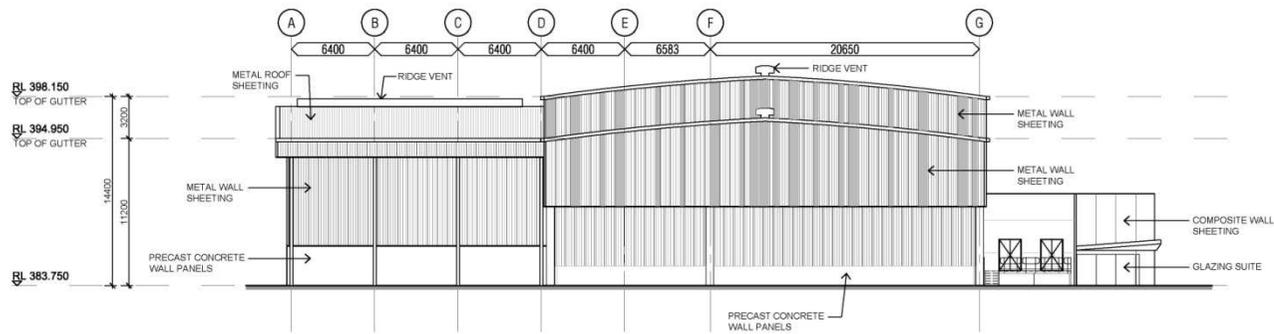
PROJECT NUMBER <b>W414</b>	BLDG NUMBER <b>01</b>
DRAWING NUMBER <b>DA04</b>	ISSUE <b>A</b>

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01 NORTH ELEVATION

1:200



02 WEST ELEVATION

1:200

DATE	ISSUE	AMENDMENT	INITIAL	DATE	ISSUE	AMENDMENT	INITIAL
28.11.13	A	DA ISSUE	JP				
28.11.13	PF	PRELIMINARY ISSUE FOR REVIEW	JP				

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Watpac Specialty Services  
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Fortitude Valley QLD 4006  
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Phone: (07) 3251 6300  
Website: www.watpac.com.au

PROJECT
<p><b>OAKBURN PROTEIN RECOVERY PLANT</b> OAKBURN NSW</p>

DRAWING TITLE
<p><b>PROPOSED ELEVATIONS</b></p>

SCALE	PROJECT NUMBER	BLOG NUMBER
<p>@ A1 = 1:200 @ A3 = NTS Do Not Scale from Drawings. Verify all Dimensions and Levels on Site.</p>	<p><b>W414</b></p>	<p><b>01</b></p>
<p>DRAWN: JP CHECKED: PS DATE: NOVEMBER 2013</p>	<p>DRAWING NUMBER: DA05</p>	<p>ISSUE: A</p>

DATE	ISSUE	AMENDMENT	INITIAL

DEVELOPMENT APPLICATION

Thursday, 28 November 2013 1:07:48 PM I:\W414 - Oakburn Protein Recovery\02 CAD Drawings\02 E2 Architect Current\02W414.dwg

# Modification of Development Consent

## Section 4.55(1A) of the *Environmental Planning and Assessment Act 1979*

As delegate for the Minister for Planning, under delegation executed on 11 October 2017, I approve the modification of the development consent referred to in Schedule 1, subject to the conditions outlined in Schedule 2.



Chris Ritchie  
Director  
Industry Assessments

Sydney **10 APRIL**

2019

File: DOC/19/70166

### SCHEDULE 1

<b>Application No:</b>	DA 53/97 MOD6
<b>Applicant:</b>	Baiada Poultry Processing Facility
<b>Consent Authority:</b>	Minister for Planning
<b>Development:</b>	Poultry Processing Complex
<b>Date of Original Consent:</b>	9 February 1998
<b>Modification:</b>	DA 53/97 MOD 6

## SCHEDULE 2

This consent is modified as follows:

1. Delete the definitions for "Department", "Director-General" and "Minister for Planning and Infrastructure" and insert the following definitions in alphabetical order:

Department	Department of Planning and Environment
Minister	Minister for Planning
Secretary	Planning Secretary of the Department of Planning and Environment (or delegate)

### In Schedule 2: Administrative Conditions

2. Delete all references to "Director-General" and replace with "Secretary".
3. Delete all references to "shall" and replace with "must".
4. In Condition 2 g) delete the word 'and' after the words 'Appendix B'.
5. Delete Condition 2 h) and replace with the following:
  - h) DA 53/97 MOD 6 and the report titled "S4.55(1A) Modification Application Planning Report" dated 7 January 2019 and prepared by PSA Consulting; and
  - i) the conditions of this consent.
6. Delete Condition 6 and replace with the following:
  - 6) The Applicant must ensure the development does not exceed:
    - a) A processing volume of 530 tonnes of raw material per day;
    - b) 160 tonnes of finished product per day (24 hour period), averaged over seven days, with a maximum of 180 tonnes of finished product on any individual day (24 hour period), in the protein recovery plant; and
    - c) 1 million birds per week in the processing plants (Stage 2).

### In Schedule 3: Specific Environmental Conditions

7. Delete Condition 28 and replace with the following:
  - 28) The Applicant must ensure that noise generated by the development does not exceed the noise limits presented in Table 1. The locations referred to in the table are indicated by the 'Noise Impact Assessment', prepared by Revere Acoustics, dated October 2018.

**Table 1: Operation Noise Limits (dB(A))**

Location	Noise Limits, dB(A)			
	Day	Evening	Night	Night
	L <sub>Aeq</sub> (15 min)	L <sub>Aeq</sub> (15 min)	L <sub>Aeq</sub> (15 min)	L <sub>Amax</sub>
'Girrawheen', Old Winton Road, Westdale	40	35	35	52
'Abbeylands', Bowlers Lane, Westdale	40	37	37	52
'The Billabong', Wallamore Road, Westdale	41	38	37	52
Various Residences, Old Winton Road, south of Tamworth Airport	40	36	35	52

Baiada Poultry (Tamworth) Pty Limited  
C/- PSA Consulting Australia  
PO Box 10824  
Adelaide Street  
BRISBANE QLD 4000

Dear Sir/Madam

**DEVELOPMENT APPLICATION NO. DA2018-0443 FOR NEW WASTE WATER TREATMENT PLANT ON LOT 100 DP 1097471, GUNNEDAH ROAD WESTDALE.**

I refer to the subject development application and advise that Council has completed its assessment of the application to modify the conditions of development consent in the following manner:

Add Condition:

- 37a) To ensure potential noise impacts associated with the development are mitigated where possible.
- 37b) To address potential contamination discovery (including resultant reporting measures) during the construction phase of the development.

Amend Condition:

- 10) To refer to modified development plan set.

Pursuant to Section 4.55(1A) of the Environmental Planning and Assessment Act 1979, Council has approved the application to amend conditions. In this regard, conditions of the development consent now comprise:

**Prior to Work Commencing**

- 1) The approved development which is the subject of this development consent must not be commenced until:
  - a) A construction certificate for the building work has been issued by the consent authority, the council (if the council is not the consent authority) or an accredited Certifier, and
  - b) The person having the benefit of the development consent has;
    - i) Appointed a Principal Certifying Authority for the building work, and
    - ii) Notified the Principal Certifying that the person will carry out the building work as an owner-builder, if that is the case, and;
  - c) The principal certifying authority has, no later than 2 days before the building work commences;
    - i) Notified the consent authority and the council (if the council is not the consent authority) of his or her appointment, and

- ii) Notified the person having the benefit of the development consent of any critical stage inspections and other inspections that are to be carried out in respect of the building work, and
  - d) The person having the benefit of the development consent, if not carrying out the work as an owner-builder, has
    - i) Appointed a principal contractor for the building work who must be the holder of a contractor license if any residential building work is involved, and
    - ii) Notified the Principal Certifying Authority of any such appointment, and
    - iii) Unless that person is the principal contractor, notified the principal contractor of any critical stage inspections and other inspections that are to be carried out in respect of the building work, and
    - iv) Give at least 2 days notice to the council of the persons intention to commence the erection of the building.
- 2) Toilet facilities are to be provided, at or in the vicinity of the work site on which work involved in the erection or demolition of a building is being carried out, at the rate of one toilet for every 20 persons or part of 20 persons employed at the site. Each toilet provided:
  - a) Must be a standard flushing toilet, and
  - b) Must be connected to a public sewer, or
  - c) If connection to a public sewer is not practicable, to an accredited sewage management facility approved by the council, or

The provision of toilet facilities in accordance with this condition must be completed before any other work is commenced.

- 3) The applicant must ensure that a sign containing the following information is erected in a prominent position and maintained on the site at all times:
  - a) The name, address and telephone number of the principal certifying authority for the work, and
  - b) The name of the principal contractor (if any) for any building work and a telephone number on which that person may be contacted outside working hours, and
  - c) A statement that unauthorised entry to the work site is prohibited.

The sign is to be removed when the work has been completed.

- 4) Erosion and sediment control measures that will minimise damage to and avoid pollution of the environment are required for this development. An erosion and sediment control plan (ESCP) is to be prepared in accordance with the "Blue Book" Managing Urban Stormwater –Soils and Construction (Landcom 2004). THE ESCP is to be implemented prior to the commencement of any construction works.
- 5) The contractors engaged to undertake development on public land and infrastructure must maintain public liability insurance cover to the minimum value of \$20 million. The policy shall specifically indemnify Council from all claims arising from the execution of the works. Documentary evidence of the currency of the policy shall be provided to Council prior to the commencement of work and upon request, during the progress of the work.

#### **Prior to the release of a Construction Certificate**

- 6) a) In accordance with Section 80A(1) of the Environmental Planning and Assessment Act 1979 and the Tamworth Regional Council Section 94A Development Contributions Plan 2013, a levy of 1% of the development cost, as determined by a Quantity Surveyors Detailed Cost Report, shall be paid to Council to cater for the increased demand for community infrastructure resulting from the development.

- b) The monetary contributions shall be paid to Council prior to the issue of the first Construction Certificate.

The Tamworth Regional Council Section 94A Development Contributions Plan may be viewed at [www.tamworth.nsw.gov.au](http://www.tamworth.nsw.gov.au) or a copy may be inspected at Council's Administration Centre during normal business hours.

- 7) Certification shall be provided in accordance with Annexure A of Council's current version of the Engineering Design Guidelines for Subdivisions and Developments.
- 8) A stormwater servicing strategy for the development site shall be prepared and submitted to Council for approval in accordance with the requirements of Part 3 of Council's current version of the Engineering Design Guidelines for Subdivisions and Developments. The stormwater servicing strategy for this development must also include calculations and associated commentary for the following at a minimum:
- a) Minor stormwater network
  - b) Q100 overland flow paths
  - c) Any proposed areas of retention or detention
  - d) Contingency management for any overflow from the proposed WWTP SBR/lagoons/ponds into Boltons Creek or the unnamed natural watercourse

The stormwater servicing strategy to be approved by Council shall be used to address the required stormwater drainage design for the development site.

- 9) Detailed engineering drawings and construction specifications, specific to the works, prepared in accordance with Council's Engineering Design Guidelines for Subdivisions and Developments, are required. Completed 'Information to be shown on drawings' and 'Checklists' contained within Council's Engineering Design Guidelines for Subdivisions and Developments shall be submitted to ensure all works are designed and constructed in accordance with recognised and accepted standards and guidelines for the following at minimum:
- a) Where applicable - retention/detention system;
  - b) A safety in design report in line with section 1.4.2 of the current version of Council's Engineering Design Guidelines for Subdivisions and Developments shall be submitted to and approved by Council for all external works;
  - c) Where applicable - An operations and maintenance plan for any retention/detention system.

All plans are to include details of the location of all existing utility services.

The engineering drawings shall be submitted to Council for approval prior to the issue of a Construction Certificate.

#### General

- 10) *Development shall take place in accordance with the attached endorsed plans:*
- a) *Development Plans prepared by Bath Stewart Associates Pty Ltd, Drawing No. 02, 51,52,53,54 & 100 (Revision F), Ref. No. 17426-CAL, dated 13 February 2019.*
- 11) The development must be carried out in accordance with the Development Application and accompanying plans, drawings and other documents as amended by conditions of this consent. Any amendment to the development or to these conditions will require the consent of the Council.
- 12) All proposed building, site works or property improvement indicated on the submitted plans or otherwise required under the terms of this consent shall be completed prior to occupation of

the premises to ensure compliance with the provisions of the Environmental Planning and Assessment Act, 1979.

- 13) All building work must be carried out in accordance with the provisions of the National Construction Code (NCC).
- 14) Any outdoor lighting shall be designed to comply with, where relevant, AS/NZ1158 and AS4282.
- 15) To ensure the safety, all demolition work shall be carried out in accordance with Workcover Authority requirements and Australian Standard 2601 - The Demolition of Structures.
- 16) The development shall be sited and constructed in accordance with the approved site plan. No portion of any proposed structures including any fences or gates shall encroach upon an adjoining property or the road reserve area.
- 17) It is the responsibility of the developer to meet all expenses incurred in undertaking the development, including expenses incurred in complying with conditions imposed under this approval.
- 18) Any existing State Survey Mark or Cadastral Survey Mark shall be preserved during construction and not disturbed unless authority has been obtained from the Surveyor-General in accordance with the Surveyor-General's Directions published by the NSW Land and Property Information Service. In this regard, the Principal Contractor is responsible for the protection of the mark.
- 19) The Applicant shall consult with, as required:
  - a) Essential Energy;
  - b) Natural gas company; and
  - c) A telecommunications carrier

regarding their requirements for the provision of services to the development and the location of existing services that may be affected by the proposed works, either on site or on the adjacent public road(s).

#### **EPA Licencing Requirements**

- 20) The development shall be carried out in accordance with the conditions provided by NSW Environmental Protection Authority (EPA) – Attachments 1 & 2, dated 12<sup>th</sup> April 2018 as contained in Annexure A of this consent.

#### **Operation of the Waste Water Treatment Facility**

- 21) The discharge of treated effluent to Council's reticulated sewerage system from the waste water treatment plant shall be in accordance with the requirements of the existing Liquid Trade Waste Services Agreement, Oakburn Protein Recovery Plant 2017-2019 executed by Tamworth Regional Council on 23<sup>rd</sup> November 2017.
- 22) Effluent discharge shall be at the existing connection point via Baiada's existing private rising main.

#### **During Construction or Works**

##### *General*

- 23) Work on the project shall be limited to the following hours to prevent unreasonable disturbance to the amenity of the area:-

**Monday to Friday - 7.00am to 5.00pm;**

**Saturday - 8.00am to 1.00pm if audible on other residential premises, otherwise 7.00am to 5.00pm;**

**No work to be carried out on Sunday or Public Holidays if it is audible on other residential premises.**

The applicant shall be responsible to instruct and control any sub-contractors regarding the hours of work.

- 24) All building works shall be constructed in accordance with safe work practices and complying with the relevant Australian Standards, Codes of Practice and the National Construction Code (NCC).
- 25) The applicant must maintain the installed water pollution, erosion and sedimentation controls in accordance with the "Managing Urban Stormwater - Soils and Construction" published by the NSW Department of Housing ("The Blue Book").
- 26) The Developer shall ensure that dust suppression is undertaken to ensure there is no visible dust emitted due to any works associated with the works associated with the development. This can be in the form of constant water spraying or other natural based proprietary dust suppressant, to ensure that dust caused by any vehicles moving in, out or within the development site does not cause a nuisance to surrounding properties.
- 27) Any spillage of materials onto Council infrastructure, as a result of delivery or handling for this development, must be removed as soon as practicable by the developer and placed into suitable receptacles for reclamation or disposal in a manner that does not cause pollution of the environment.
- 28) The public way (outside of any construction works zone) must not be obstructed by any materials, vehicles, refuse, skips or the like, under any circumstances. Non-compliance with this requirement will result in the issue of a notice by the relevant Authority to stop all work on site.
- 29) The footpath and/or road reserve are not to be used for construction purposes or placing of building materials (without Council's prior consent) to ensure safe and unobstructed access for pedestrians. Where necessary, application may be made by contacting Council.
- 30) Any damage caused to Council infrastructure during building operations shall be rectified by the owner or the builder to the satisfaction of Council to ensure the integrity of Council's infrastructure is maintained to an acceptable standard.

#### *Stormwater*

- 31) All hardstand runoff discharging from the proposed development site, buildings and works must be conveyed to the approved point of discharge by underground pipe drains complying with AS3500.3 (as amended) and in accordance with the current version of the Engineering Design Guidelines for Subdivisions and Developments. No effluent or polluted water of any type may be allowed to enter the Council's stormwater drainage system.
- 32) Additionally, the stormwater discharge drainage system must be constructed to comply with the following requirements as a minimum:
  - a) All plumbing within the site must be carried out in accordance with relevant provisions of Australian Standard AS/NZS 3500.3 (as amended) Plumbing and Drainage – Stormwater Drainage;
  - b) Temporary down pipes shall be connected as soon as the roof has been covered so as to not cause a nuisance to adjoining properties;

- c) All overland surface flow paths must have a practical and satisfactory destination with due consideration to erosion and sediment control during all stages of development. A system to prevent overland flows discharging onto adjoining properties shall be implemented;
- d) Any interruption to the natural overland flow of stormwater drainage which could result in the disruption of amenity, or drainage or deterioration to any other property is not permitted;
- e) All overflow from any retention/ detention devices shall be collected and piped to the approved point of discharge.

The approved point of discharge for the development site is defined as Boltons Creek or alternatively the unnamed watercourse at the northern boundary of the development site.

- 33) The onsite stormwater systems shall be designed in accordance with Councils current version of the Engineering Design Guidelines for Subdivisions and Developments.

#### *Traffic & Parking*

- 34) The internal driveways and parking areas are to be constructed with a base course of adequate depth to accommodate the anticipated vehicle loadings over its design life (including construction traffic).
- 35) All internal parking areas shall be designed to comply with Australian Standard 2890.1-2004 'Off-street car parking'.
- 36) To provide for the safety and security of employees and users of the facility, outdoor lighting in accordance with AS1158.3.1 Pedestrian Area (Category P) Lighting shall be provided to all off-street parking areas. The lighting installed must comply with AS4282 Control of Obtrusive Effects of Outdoor Lighting.

#### *Allotment Filling*

- 37) All allotment filling that is required for the development site shall meet the requirements of AS3798 (as amended) – Guidelines on Earthworks for Commercial and Residential Developments. Certification of the allotment filling shall be provided by a geotechnical testing authority registered under NATA. The testing authority shall be required to certify whether the fill complies with the requirements of AS2870.1 (as amended) – Residential Slabs and Footings – Construction, as “controlled fill”.

#### *Noise*

- 37a) *Consideration is to be given to the location and positioning of noise generating equipment during the construction phase and continued operation of the development activity so as to mitigate noise nuisance to adjoining landowners.*

#### *Contamination*

- 37b) *In the event that any contamination (a concentration of substances above that naturally present that poses, or is likely to pose an immediate or long term risk to human health or environment) is discovered, work must immediately cease and the Councils Manager Regulatory Services must be contacted to arrange an inspection in accordance with State Environmental Planning Policy No 55 - Remediation of Land.*

#### *Inspections*

- 38) It is required that a Principal Certifying Authority (PCA) be appointed to undertake all critical stage inspections as prescribed under the Environmental Planning and Assessment

Regulations, 2000. The owner may appoint either the Council or an accredited certifier to be the PCA.

#### **Prior to Occupation**

- 39) The occupation or use of the whole or any part of a new building must not commence unless an occupation certificate has been issued in relation to the building or part

#### **Prior to the release of an Occupation Certificate**

- 40) All open, standing water bodies associated with the waste water treatment plant must be covered with bird netting or the like prior to issue of any Occupation Certificate, and in perpetuity, to prevent bird attraction and subsequently minimise the potential for bird strike at the Tamworth Regional Airport.
- 41) A Contingency Plan with respect to the management of waste water and associated operations shall be prepared to address the possibility of mechanical failure. A copy of the Contingency Plan is required to be submitted to Council and the Principal Certifying Authority prior to issue of any Occupation Certificate.
- 42) For developments where allotment filling has been undertaken, a copy of the NATA testing authority certification for compliance to the requirements of AS2870.1 (as amended) – Residential Slabs and Footings – Construction shall be provided to Council.
- 43) Easements for utilities and services, including stormwater and sewer, in favour of the lots benefiting and/or Council shall be provided where services are located on private properties and/or overland flows traverse private property.

#### **Ongoing Requirements**

- 44) The on-site stormwater systems shall be maintained at all times so as to ensure their effective operation for their intended purpose.

#### **Advice**

- Note 1: The proponent is required to submit an application to NSW EPA's Armidale office to vary the existing licence (EPL No. 7566), before operations commence under this approval. If the operation commences and the licence is not varied, the operator may be in breach of conditions in the current licence.
- Note 2: The Odour Management Plan for the premises will need to be updated to reflect the changes to the wastewater treatment at the premises once the new plant becomes operational. Consultation with the consent authority, being the Department of Planning and Environment is recommended in this regard.
- Note 3: The development must be undertaken in accordance with the State Significant Development approval issued by the Department of Planning and Environment, being DA53/97 MOD 5.

Please note that this approval remains effective from the original date of consent, being 20<sup>th</sup> June 2018.

Under the provisions of Section 8.7 of the Act you may (within six (6) months from the date of this development consent) appeal to the Land and Environment Court against conditions imposed should you feel they are unreasonable.

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We are progressively introducing new e-planning tools which will transform the way we deliver our services. The first steps completed have made more information available to you online, including access to an electronic copy of this development consent. Visit Council's Application Tracking Portal at [www.tamworth.nsw.gov.au](http://www.tamworth.nsw.gov.au) to view your documentation.

Yours faithfully,



Brent McAlister  
**Director Planning & Compliance**

Contact: Dan Whale (02) 6767 5532 or [d.whale@tamworth.nsw.gov.au](mailto:d.whale@tamworth.nsw.gov.au)

*Reference: MOD2019-0077*

05 March 2019

## Annexure A

# Attachment 1: Consent Approval Conditions Recommended by EPA

## Administrative conditions

### **A1. Information supplied to the EPA**

A1.1 Except as expressly provided by these general terms of approval, works and activities must be carried out in accordance with the proposal contained in:

- the development application DA2018-0443 submitted to Tamworth Regional Council on 9 March 2018;
- the Statement of Environmental Effects, 'Oakburn Waste Water Treatment Facility Oxley Highway, Tamworth', prepared by PSA Consulting Australia, dated 6 March 2018 relating to the development; and
- all additional documents supplied to the EPA in relation to the development.

### **A2. Fit and Proper Person**

A2.1 The applicant must, in the opinion of the EPA, be a fit and proper person to hold a licence under the *Protection of the Environment Operations Act 1997*, having regard to the matters in s.83 of that Act.

## Limit conditions

### **L1. Pollution of waters**

L1.1 Except as may be expressly provided by a licence under the *Protection of the Environment Operations Act 1997* in relation of the development, section 120 of the *Protection of the Environment Operations Act 1997* must be complied with in and in connection with the carrying out of the development.

### **L5. Waste**

L5.1 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 a licence under the *Protection of the Environment Operations Act 1997*.

L5.2 This condition only applies to the storage, treatment, processing, reprocessing or disposal of waste at the premises if it requires an environment protection licence under the *Protection of the Environment Operations Act 1997*.

## Operating conditions

### **O1. Odour**

O1.1 No condition of this licence identifies a potentially offensive odour for the purposes of section 129 of the *Protection of the Environment Operations Act 1997*.

Note: Section 129 of the *Protection of the Environment Operations Act 1997*, provides that the licensee must not cause or permit the emission of any offensive odour from the premises but provides a defence if the emission is identified in the relevant environment protection licence as a potentially offensive odour and the odour was emitted in accordance with the conditions of a licence directed at minimising odour.

### **O2. Dust**

O2.1 Activities occurring at the premises must be carried out in a manner that will minimise emissions of dust from the premises.

O2.2 Trucks entering and leaving the premises that are carrying loads must be covered at all times, except during loading and unloading.

### **03. Stormwater/sediment control - Construction Phase**

**03.1** An Erosion and Sediment Control Plan (ESCP) must be prepared and implemented. The plan must describe the measures that will be employed to minimise soil erosion and the discharge of sediment and other pollutants to lands and/or waters during construction activities. The ESCP should be prepared in accordance with the requirements for such plans outlined in *Managing Urban Stormwater: Soils and Construction* (available from the Department of Housing).

### **04. Stormwater/sediment control - Operation Phase**

**04.1** A Stormwater Management Scheme must be prepared for the development and must be implemented. Implementation of the Scheme must mitigate the impacts of stormwater run-off from and within the premises following the completion of construction activities. The Scheme should be consistent with the Stormwater Management Plan for the catchment. Where a Stormwater Management Plan has not yet been prepared the Scheme should be consistent with the guidance contained in *Managing Urban Stormwater: Council Handbook* (available from the EPA).

*Note: This condition would normally only be used where a SWMP is required and stormwater management would be incorporated into EPA's licence. For other proposals the EPA may suggest that the consent authority include a similar condition where appropriate. Information relating to structural and non-structural options for managing site stormwater is provided in the "Managing Urban Stormwater: Source Control" and "Managing Urban Stormwater: Treatment Techniques" documents respectively.*

### **05. Operation of the gas flare**

**05.1** Any flare used to burn biogas must be designed and operated in such a manner that a flame is present at all times.

### **Reporting conditions**

**R1.1** The applicant must provide an annual return to the EPA in relation to the development as required by any licence under the *Protection of the Environment Operations Act 1997* in relation to the development. In the return the applicant must report on the annual monitoring undertaken (where the activity results in pollutant discharges), provide a summary of complaints relating to the development, report on compliance with licence conditions and provide a calculation of licence fees (administrative fees and, where relevant, load based fees) that are payable. If load based fees apply to the activity the applicant will be required to submit load-based fee calculation worksheets with the return.

### **Special Conditions**

#### **E1 Decommissioning the biofilter**

**E1.1** Before decommissioning the biofilter, the Applicant must provide to the EPA an estimate of the consequential change to odour emissions and mitigating actions to be implemented to ensure compliance with section 129 of the *Protection of the Environment Operations Act 1997*.

## **Attachment 2 – Mandatory Conditions for all EPA licences**

### **Operating conditions**

#### **Activities must be carried out in a competent manner**

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.

#### **Maintenance of plant and equipment**

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.

### **Monitoring and recording conditions**

#### **Recording of pollution complaints**

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.

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.

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

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

#### **Telephone complaints line**

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.

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.

This condition does not apply until 3 months after this condition takes effect.

### **Reporting conditions**

#### **Annual Return documents**

##### ***What documents must an Annual Return contain?***

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

- a. Statement of Compliance; and
- b. Monitoring and Complaints Summary.

A copy of the form in which the Annual Return must be supplied to the EPA accompanies this licence. Before the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.

### ***Period covered by Annual Return***

An Annual Return must be prepared in respect of each reporting, 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.*

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.*

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.

### ***Deadline for Annual Return***

The Annual Return for the reporting period must be supplied to the EPA 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').

### ***Licensee must retain copy of Annual Return***

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.

### ***Certifying of Statement of Compliance and Signing of Monitoring and Complaints Summary***

Within the Annual Return, the Statement 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.

A person who has been given written approval to certify a Statement of Compliance under a licence issued under the Pollution Control Act 1970 is taken to be approved for the purpose of this condition until the date of first review this licence.

### ***Notification of environmental harm***

*Note: The licensee or its employees must notify the EPA 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*

Notifications must be made by telephoning the EPA's Pollution Line service on 131 555.

The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.

### ***Written report***

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.

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.

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; and
- 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;
- g. any other relevant matters.

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.

## **General conditions**

### **Copy of licence kept at the premises or on the vehicle or mobile plant**

A copy of this licence must be kept at the premises or on the vehicle or mobile plant to which the licence applies.

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

The licence must be available for inspection by any employee or agent of the licensee working at the premises or operating the vehicle or mobile plant.

# Modification of Development Consent

Section 4.55(1A) of the *Environmental Planning and Assessment Act 1979*

As delegate for the Minister for Planning, under delegation executed on 11 October 2017, I approve the modification of the development consent referred to in Schedule 1, subject to the conditions outlined in Schedule 2.



Chris Ritchie  
Director  
Industry Assessments

Sydney **10 APRIL**

2019

File: DOC/19/70166

## SCHEDULE 1

<b>Application No:</b>	DA 53/97 MOD6
<b>Applicant:</b>	Baiada Poultry Processing Facility
<b>Consent Authority:</b>	Minister for Planning
<b>Development:</b>	Poultry Processing Complex
<b>Date of Original Consent:</b>	9 February 1998
<b>Modification:</b>	DA 53/97 MOD 6

## SCHEDULE 2

This consent is modified as follows:

1. Delete the definitions for "Department", "Director-General" and "Minister for Planning and Infrastructure" and insert the following definitions in alphabetical order:

Department	Department of Planning and Environment
Minister	Minister for Planning
Secretary	Planning Secretary of the Department of Planning and Environment (or delegate)

### In Schedule 2: Administrative Conditions

2. Delete all references to "Director-General" and replace with "Secretary".
3. Delete all references to "shall" and replace with "must".
4. In Condition 2 g) delete the word 'and' after the words 'Appendix B'.
5. Delete Condition 2 h) and replace with the following:
  - h) DA 53/97 MOD 6 and the report titled "S4.55(1A) Modification Application Planning Report" dated 7 January 2019 and prepared by PSA Consulting; and
  - i) the conditions of this consent.
6. Delete Condition 6 and replace with the following:
  - 6) The Applicant must ensure the development does not exceed:
    - a) A processing volume of 530 tonnes of raw material per day;
    - b) 160 tonnes of finished product per day (24 hour period), averaged over seven days, with a maximum of 180 tonnes of finished product on any individual day (24 hour period), in the protein recovery plant; and
    - c) 1 million birds per week in the processing plants (Stage 2).

### In Schedule 3: Specific Environmental Conditions

7. Delete Condition 28 and replace with the following:
  - 28) The Applicant must ensure that noise generated by the development does not exceed the noise limits presented in Table 1. The locations referred to in the table are indicated by the 'Noise Impact Assessment', prepared by Revere Acoustics, dated October 2018.

**Table 1: Operation Noise Limits (dB(A))**

Location	Noise Limits, dB(A)			
	Day	Evening	Night	Night
	L <sub>Aeq</sub> (15 min)	L <sub>Aeq</sub> (15 min)	L <sub>Aeq</sub> (15 min)	L <sub>Amax</sub>
'Girrawheen', Old Winton Road, Westdale	40	35	35	52
'Abbeylands', Bowlers Lane, Westdale	40	37	37	52
'The Billabong', Wallamore Road, Westdale	41	38	37	52
Various Residences, Old Winton Road, south of Tamworth Airport	40	36	35	52

Baiada Poultry (Tamworth) Pty Limited  
C/- PSA Consulting  
PO Box 10824  
Adelaide Street  
BRISBANE QLD 4000

Dear Sir/Madam

**Environmental Planning and Assessment Act 1979**  
**NOTICE TO APPLICANT OF DETERMINATION OF A DEVELOPMENT APPLICATION**

Pursuant to Section 4.18(1)(a) of the Act, notice is hereby given of the determination by Council of the following development application.

Development Application No.                      DA2018-0443  
Subject Land:    Lot 100 DP 1097471 Gunnedah Road, WESTDALE  
Description:    Waste Water Treatment Plant

In the determination of this application Council considered all matters listed under Section 4.15 of the Act. The development application has been determined by the **granting of consent subject to the conditions** listed below.

**Prior to Work Commencing**

- 1) The approved development which is the subject of this development consent must not be commenced until:
  - a) A construction certificate for the building work has been issued by the consent authority, the council (if the council is not the consent authority) or an accredited Certifier, and
  - b) The person having the benefit of the development consent has;
    - i) Appointed a Principal Certifying Authority for the building work, and
    - ii) Notified the Principal Certifying that the person will carry out the building work as an owner-builder, if that is the case, and;
  - c) The principal certifying authority has, no later than 2 days before the building work commences;
    - i) Notified the consent authority and the council (if the council is not the consent authority) of his or her appointment, and
    - ii) Notified the person having the benefit of the development consent of any critical stage inspections and other inspections that are to be carried out in respect of the building work, and
  - d) The person having the benefit of the development consent, if not carrying out the work as an owner-builder, has
    - i) Appointed a principal contractor for the building work who must be the holder of a contractor license if any residential building work is involved, and
    - ii) Notified the Principal Certifying Authority of any such appointment, and

All correspondence should be addressed to the General Manager:

Telephone: 6767 5555  
Facsimile: 6767 5499

PO Box 555 (DX 6125)  
Tamworth NSW 2340

[trc@tamworth.nsw.gov.au](mailto:trc@tamworth.nsw.gov.au)  
[www.tamworth.nsw.gov.au](http://www.tamworth.nsw.gov.au)

- iii) Unless that person is the principal contractor, notified the principal contractor of any critical stage inspections and other inspections that are to be carried out in respect of the building work, and
  - iv) Give at least 2 days notice to the council of the persons intention to commence the erection of the building.
- 2) Toilet facilities are to be provided, at or in the vicinity of the work site on which work involved in the erection or demolition of a building is being carried out, at the rate of one toilet for every 20 persons or part of 20 persons employed at the site. Each toilet provided:
- a) Must be a standard flushing toilet, and
  - b) Must be connected to a public sewer, or
  - c) If connection to a public sewer is not practicable, to an accredited sewage management facility approved by the council, or

The provision of toilet facilities in accordance with this condition must be completed before any other work is commenced.

- 3) The applicant must ensure that a sign containing the following information is erected in a prominent position and maintained on the site at all times:
- a) The name, address and telephone number of the principal certifying authority for the work, and
  - b) The name of the principal contractor (if any) for any building work and a telephone number on which that person may be contacted outside working hours, and
  - c) A statement that unauthorised entry to the work site is prohibited.

The sign is to be removed when the work has been completed.

- 4) Erosion and sediment control measures that will minimise damage to and avoid pollution of the environment are required for this development. An erosion and sediment control plan (ESCP) is to be prepared in accordance with the "Blue Book" Managing Urban Stormwater –Soils and Construction (Landcom 2004). THE ESCP is to be implemented prior to the commencement of any construction works.
- 5) The contractors engaged to undertake development on public land and infrastructure must maintain public liability insurance cover to the minimum value of \$20 million. The policy shall specifically indemnify Council from all claims arising from the execution of the works. Documentary evidence of the currency of the policy shall be provided to Council prior to the commencement of work and upon request, during the progress of the work.

#### **Prior to the release of a Construction Certificate**

- 6) a) In accordance with Section 80A(1) of the Environmental Planning and Assessment Act 1979 and the Tamworth Regional Council Section 94A Development Contributions Plan 2013, a levy of 1% of the development cost, as determined by a Quantity Surveyors Detailed Cost Report, shall be paid to Council to cater for the increased demand for community infrastructure resulting from the development.
- b) The monetary contributions shall be paid to Council prior to the issue of the first Construction Certificate.

The Tamworth Regional Council Section 94A Development Contributions Plan may be viewed at [www.tamworth.nsw.gov.au](http://www.tamworth.nsw.gov.au) or a copy may be inspected at Council's Administration Centre during normal business hours.

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- 7) Certification shall be provided in accordance with Annexure A of Council's current version of the Engineering Design Guidelines for Subdivisions and Developments.
- 8) A stormwater servicing strategy for the development site shall be prepared and submitted to Council for approval in accordance with the requirements of Part 3 of Council's current version of the Engineering Design Guidelines for Subdivisions and Developments. The stormwater servicing strategy for this development must also include calculations and associated commentary for the following at a minimum:
- a) Minor stormwater network
  - b) Q100 overland flow paths
  - c) Any proposed areas of retention or detention
  - d) Contingency management for any overflow from the proposed WWTP SBR/lagoons/ponds into Boltons Creek or the unnamed natural watercourse

The stormwater servicing strategy to be approved by Council shall be used to address the required stormwater drainage design for the development site.

- 9) Detailed engineering drawings and construction specifications, specific to the works, prepared in accordance with Council's Engineering Design Guidelines for Subdivisions and Developments, are required. Completed 'Information to be shown on drawings' and 'Checklists' contained within Council's Engineering Design Guidelines for Subdivisions and Developments shall be submitted to ensure all works are designed and constructed in accordance with recognised and accepted standards and guidelines for the following at minimum:
- a) Where applicable - retention/detention system;
  - b) A safety in design report in line with section 1.4.2 of the current version of Council's Engineering Design Guidelines for Subdivisions and Developments shall be submitted to and approved by Council for all external works;
  - c) Where applicable - An operations and maintenance plan for any retention/detention system.

All plans are to include details of the location of all existing utility services.

The engineering drawings shall be submitted to Council for approval prior to the issue of a Construction Certificate.

#### **General**

- 10) Development shall take place in accordance with the attached endorsed plans:
- a) Development Plans prepared by Bath Stewart Associates Pty Ltd, Drawing No's 01-04 (Revision D), Ref. No. 17426-DA, dated 28 May 2018; and
  - b) Development Plans prepared by Bath Stewart Associates Pty Ltd, Drawing No's 05-14 (Revision C), Ref. No. 17426-DA, dated 01 March 2018.
- 11) The development must be carried out in accordance with the Development Application and accompanying plans, drawings and other documents as amended by conditions of this consent. Any amendment to the development or to these conditions will require the consent of the Council.
- 12) All proposed building, site works or property improvement indicated on the submitted plans or otherwise required under the terms of this consent shall be completed prior to occupation of

the premises to ensure compliance with the provisions of the Environmental Planning and Assessment Act, 1979.

- 13) All building work must be carried out in accordance with the provisions of the National Construction Code (NCC).
- 14) Any outdoor lighting shall be designed to comply with, where relevant, AS/NZ1158 and AS4282.
- 15) To ensure the safety, all demolition work shall be carried out in accordance with Workcover Authority requirements and Australian Standard 2601 - The Demolition of Structures.
- 16) The development shall be sited and constructed in accordance with the approved site plan. No portion of any proposed structures including any fences or gates shall encroach upon an adjoining property or the road reserve area.
- 17) It is the responsibility of the developer to meet all expenses incurred in undertaking the development, including expenses incurred in complying with conditions imposed under this approval.
- 18) Any existing State Survey Mark or Cadastral Survey Mark shall be preserved during construction and not disturbed unless authority has been obtained from the Surveyor-General in accordance with the Surveyor-General's Directions published by the NSW Land and Property Information Service. In this regard, the Principal Contractor is responsible for the protection of the mark.
- 19) The Applicant shall consult with, as required:
  - a) Essential Energy;
  - b) Natural gas company; and
  - c) A telecommunications carrier

regarding their requirements for the provision of services to the development and the location of existing services that may be affected by the proposed works, either on site or on the adjacent public road(s).

#### **EPA Licencing Requirements**

- 20) The development shall be carried out in accordance with the conditions provided by NSW Environmental Protection Authority (EPA) – Attachments 1 & 2, dated 12<sup>th</sup> April 2018 as contained in Annexure A of this consent.

#### **Operation of the Waste Water Treatment Facility**

- 21) The discharge of treated effluent to Council's reticulated sewerage system from the waste water treatment plant shall be in accordance with the requirements of the existing Liquid Trade Waste Services Agreement, Oakburn Protein Recovery Plant 2017-2019 executed by Tamworth Regional Council on 23<sup>rd</sup> November 2017.
- 22) Effluent discharge shall be at the existing connection point via Baiada's existing private rising main.

## During Construction or Works

### General

- 23) Work on the project shall be limited to the following hours to prevent unreasonable disturbance to the amenity of the area:-

**Monday to Friday - 7.00am to 5.00pm;**

**Saturday - 8.00am to 1.00pm if audible on other residential premises, otherwise 7.00am to 5.00pm;**

**No work to be carried out on Sunday or Public Holidays if it is audible on other residential premises.**

The applicant shall be responsible to instruct and control any sub-contractors regarding the hours of work.

- 24) All building works shall be constructed in accordance with safe work practices and complying with the relevant Australian Standards, Codes of Practice and the National Construction Code (NCC).
- 25) The applicant must maintain the installed water pollution, erosion and sedimentation controls in accordance with the "Managing Urban Stormwater - Soils and Construction" published by the NSW Department of Housing ("The Blue Book").
- 26) The Developer shall ensure that dust suppression is undertaken to ensure there is no visible dust emitted due to any works associated with the works associated with the development. This can be in the form of constant water spraying or other natural based proprietary dust suppressant, to ensure that dust caused by any vehicles moving in, out or within the development site does not cause a nuisance to surrounding properties.
- 27) Any spillage of materials onto Council infrastructure, as a result of delivery or handling for this development, must be removed as soon as practicable by the developer and placed into suitable receptacles for reclamation or disposal in a manner that does not cause pollution of the environment.
- 28) The public way (outside of any construction works zone) must not be obstructed by any materials, vehicles, refuse, skips or the like, under any circumstances. Non-compliance with this requirement will result in the issue of a notice by the relevant Authority to stop all work on site.
- 29) The footpath and/or road reserve are not to be used for construction purposes or placing of building materials (without Council's prior consent) to ensure safe and unobstructed access for pedestrians. Where necessary, application may be made by contacting Council.
- 30) Any damage caused to Council infrastructure during building operations shall be rectified by the owner or the builder to the satisfaction of Council to ensure the integrity of Council's infrastructure is maintained to an acceptable standard.

### Stormwater

- 31) All hardstand runoff discharging from the proposed development site, buildings and works must be conveyed to the approved point of discharge by underground pipe drains complying with AS3500.3 (as amended) and in accordance with the current version of the Engineering Design Guidelines for Subdivisions and Developments. No effluent or polluted water of any type may be allowed to enter the Council's stormwater drainage system.

- 32) Additionally, the stormwater discharge drainage system must be constructed to comply with the following requirements as a minimum:
- a) All plumbing within the site must be carried out in accordance with relevant provisions of Australian Standard AS/NZS 3500.3 (as amended) Plumbing and Drainage – Stormwater Drainage;
  - b) Temporary down pipes shall be connected as soon as the roof has been covered so as to not cause a nuisance to adjoining properties;
  - c) All overland surface flow paths must have a practical and satisfactory destination with due consideration to erosion and sediment control during all stages of development. A system to prevent overland flows discharging onto adjoining properties shall be implemented;
  - d) Any interruption to the natural overland flow of stormwater drainage which could result in the disruption of amenity, or drainage or deterioration to any other property is not permitted;
  - e) All overflow from any retention/ detention devices shall be collected and piped to the approved point of discharge.

The approved point of discharge for the development site is defined as Boltons Creek or alternatively the unnamed watercourse at the northern boundary of the development site.

- 33) The onsite stormwater systems shall be designed in accordance with Councils current version of the Engineering Design Guidelines for Subdivisions and Developments.

#### *Traffic & Parking*

- 34) The internal driveways and parking areas are to be constructed with a base course of adequate depth to accommodate the anticipated vehicle loadings over its design life (including construction traffic).
- 35) All internal parking areas shall be designed to comply with Australian Standard 2890.1-2004 'Off-street car parking'.
- 36) To provide for the safety and security of employees and users of the facility, outdoor lighting in accordance with AS1158.3.1 Pedestrian Area (Category P) Lighting shall be provided to all off-street parking areas. The lighting installed must comply with AS4282 Control of Obtrusive Effects of Outdoor Lighting.

#### *Allotment Filling*

- 37) All allotment filling that is required for the development site shall meet the requirements of AS3798 (as amended) – Guidelines on Earthworks for Commercial and Residential Developments. Certification of the allotment filling shall be provided by a geotechnical testing authority registered under NATA. The testing authority shall be required to certify whether the fill complies with the requirements of AS2870.1 (as amended) – Residential Slabs and Footings – Construction, as “controlled fill”.

#### *Inspections*

- 38) It is required that a Principal Certifying Authority (PCA) be appointed to undertake all critical stage inspections as prescribed under the Environmental Planning and Assessment Regulations, 2000. The owner may appoint either the Council or an accredited certifier to be the PCA.

### Prior to Occupation

- 39) The occupation or use of the whole or any part of a new building must not commence unless an occupation certificate has been issued in relation to the building or part

### Prior to the release of an Occupation Certificate

- 40) All open, standing water bodies associated with the waste water treatment plant must be covered with bird netting or the like prior to issue of any Occupation Certificate, and in perpetuity, to prevent bird attraction and subsequently minimise the potential for bird strike at the Tamworth Regional Airport.
- 41) A Contingency Plan with respect to the management of waste water and associated operations shall be prepared to address the possibility of mechanical failure. A copy of the Contingency Plan is required to be submitted to Council and the Principal Certifying Authority prior to issue of any Occupation Certificate.
- 42) For developments where allotment filling has been undertaken, a copy of the NATA testing authority certification for compliance to the requirements of AS2870.1 (as amended) – Residential Slabs and Footings – Construction shall be provided to Council.
- 43) Easements for utilities and services, including stormwater and sewer, in favour of the lots benefiting and/or Council shall be provided where services are located on private properties and/or overland flows traverse private property.

### Ongoing Requirements

- 44) The on-site stormwater systems shall be maintained at all times so as to ensure their effective operation for their intended purpose.

### Advice

- Note 1: The proponent is required to submit an application to NSW EPA's Armidale office to vary the existing licence (EPL No. 7566), before operations commence under this approval. If the operation commences and the licence is not varied, the operator may be in breach of conditions in the current licence.
- Note 2: The Odour Management Plan for the premises will need to be updated to reflect the changes to the wastewater treatment at the premises once the new plant becomes operational. Consultation with the consent authority, being the Department of Planning and Environment is recommended in this regard.
- Note 3: The development must be undertaken in accordance with the State Significant Development approval issued by the Department of Planning and Environment, being DA53/97 MOD 5.

The above conditions have been imposed in accordance with the Environmental Planning and Assessment Act and Council's adopted policies.

This approval became effective on Wednesday, 20 June 2018 (Section 4.20 of the Act) and will lapse unless the proposed development is commenced within five (5) years of the approval date (Section 4.53 of the Act).

Under the provisions of Section 8.7 of the Act you may (within six (6) months from the date of this development consent) appeal to the Land and Environment Court against conditions imposed should you feel they are unreasonable.

**All conditions imposed by Council shall be observed as non-compliance is an offence under the Act.**

We are progressively introducing new e-planning tools which will transform the way we deliver our services. The first steps completed have made more information available to you online, including access to an electronic copy of this development consent. Visit Council's Application Tracking Portal at [www.tamworth.nsw.gov.au](http://www.tamworth.nsw.gov.au) to view your documentation.

Yours faithfully,



Lucy Walker  
**Acting Director Planning and Compliance**

Contact: Dan Whale (02) 6767 5532 or [d.whale@tamworth.nsw.gov.au](mailto:d.whale@tamworth.nsw.gov.au)

*Reference: DA2018-0443*

20 June 2018

## Annexure A

# Attachment 1: Consent Approval Conditions Recommended by EPA

## Administrative conditions

### **A1. Information supplied to the EPA**

A1.1 Except as expressly provided by these general terms of approval, works and activities must be carried out in accordance with the proposal contained in:

- the development application DA2018-0443 submitted to Tamworth Regional Council on 9 March 2018;
- the Statement of Environmental Effects, 'Oakburn Waste Water Treatment Facility Oxley Highway, Tamworth', prepared by PSA Consulting Australia, dated 6 March 2018 relating to the development; and
- all additional documents supplied to the EPA in relation to the development.

### **A2. Fit and Proper Person**

A2.1 The applicant must, in the opinion of the EPA, be a fit and proper person to hold a licence under the *Protection of the Environment Operations Act 1997*, having regard to the matters in s.83 of that Act.

## Limit conditions

### **L1. Pollution of waters**

L1.1 Except as may be expressly provided by a licence under the *Protection of the Environment Operations Act 1997* in relation of the development, section 120 of the *Protection of the Environment Operations Act 1997* must be complied with in and in connection with the carrying out of the development.

### **L5. Waste**

L5.1 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 a licence under the *Protection of the Environment Operations Act 1997*.

L5.2 This condition only applies to the storage, treatment, processing, reprocessing or disposal of waste at the premises if it requires an environment protection licence under the *Protection of the Environment Operations Act 1997*.

## Operating conditions

### **O1. Odour**

O1.1 No condition of this licence identifies a potentially offensive odour for the purposes of section 129 of the *Protection of the Environment Operations Act 1997*.

Note: Section 129 of the *Protection of the Environment Operations Act 1997*, provides that the licensee must not cause or permit the emission of any offensive odour from the premises but provides a defence if the emission is identified in the relevant environment protection licence as a potentially offensive odour and the odour was emitted in accordance with the conditions of a licence directed at minimising odour.

### **O2. Dust**

O2.1 Activities occurring at the premises must be carried out in a manner that will minimise emissions of dust from the premises.

O2.2 Trucks entering and leaving the premises that are carrying loads must be covered at all times, except during loading and unloading.

### **03. Stormwater/sediment control - Construction Phase**

**03.1** An Erosion and Sediment Control Plan (ESCP) must be prepared and implemented. The plan must describe the measures that will be employed to minimise soil erosion and the discharge of sediment and other pollutants to lands and/or waters during construction activities. The ESCP should be prepared in accordance with the requirements for such plans outlined in *Managing Urban Stormwater: Soils and Construction* (available from the Department of Housing).

### **04. Stormwater/sediment control - Operation Phase**

**04.1** A Stormwater Management Scheme must be prepared for the development and must be implemented. Implementation of the Scheme must mitigate the impacts of stormwater run-off from and within the premises following the completion of construction activities. The Scheme should be consistent with the Stormwater Management Plan for the catchment. Where a Stormwater Management Plan has not yet been prepared the Scheme should be consistent with the guidance contained in *Managing Urban Stormwater: Council Handbook* (available from the EPA).

*Note: This condition would normally only be used where a SWMP is required and stormwater management would be incorporated into EPA's licence. For other proposals the EPA may suggest that the consent authority include a similar condition where appropriate. Information relating to structural and non-structural options for managing site stormwater is provided in the "Managing Urban Stormwater: Source Control" and "Managing Urban Stormwater: Treatment Techniques" documents respectively.*

### **05. Operation of the gas flare**

**05.1** Any flare used to burn biogas must be designed and operated in such a manner that a flame is present at all times.

### **Reporting conditions**

**R1.1** The applicant must provide an annual return to the EPA in relation to the development as required by any licence under the *Protection of the Environment Operations Act 1997* in relation to the development. In the return the applicant must report on the annual monitoring undertaken (where the activity results in pollutant discharges), provide a summary of complaints relating to the development, report on compliance with licence conditions and provide a calculation of licence fees (administrative fees and, where relevant, load based fees) that are payable. If load based fees apply to the activity the applicant will be required to submit load-based fee calculation worksheets with the return.

### **Special Conditions**

#### **E1 Decommissioning the biofilter**

**E1.1** Before decommissioning the biofilter, the Applicant must provide to the EPA an estimate of the consequential change to odour emissions and mitigating actions to be implemented to ensure compliance with section 129 of the *Protection of the Environment Operations Act 1997*.

## **Attachment 2 – Mandatory Conditions for all EPA licences**

### **Operating conditions**

#### **Activities must be carried out in a competent manner**

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.

#### **Maintenance of plant and equipment**

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.

### **Monitoring and recording conditions**

#### **Recording of pollution complaints**

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.

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.

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

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

#### **Telephone complaints line**

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.

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.

This condition does not apply until 3 months after this condition takes effect.

### **Reporting conditions**

#### **Annual Return documents**

##### ***What documents must an Annual Return contain?***

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

- a. Statement of Compliance; and
- b. Monitoring and Complaints Summary.

A copy of the form in which the Annual Return must be supplied to the EPA accompanies this licence. Before the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.

### ***Period covered by Annual Return***

An Annual Return must be prepared in respect of each reporting, 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.*

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.*

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.

### ***Deadline for Annual Return***

The Annual Return for the reporting period must be supplied to the EPA 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').

### ***Licensee must retain copy of Annual Return***

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.

### ***Certifying of Statement of Compliance and Signing of Monitoring and Complaints Summary***

Within the Annual Return, the Statement 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.

A person who has been given written approval to certify a Statement of Compliance under a licence issued under the Pollution Control Act 1970 is taken to be approved for the purpose of this condition until the date of first review this licence.

### ***Notification of environmental harm***

*Note: The licensee or its employees must notify the EPA 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*

Notifications must be made by telephoning the EPA's Pollution Line service on 131 555.

The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.

### ***Written report***

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.

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.

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; and
- 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;
- g. any other relevant matters.

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.

## **General conditions**

### **Copy of licence kept at the premises or on the vehicle or mobile plant**

A copy of this licence must be kept at the premises or on the vehicle or mobile plant to which the licence applies.

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

The licence must be available for inspection by any employee or agent of the licensee working at the premises or operating the vehicle or mobile plant.

Baiada Poultry (Tamworth) Pty Limited  
C/- PSA Consulting Australia  
PO Box 10824  
Adelaide Street  
BRISBANE QLD 4000

Dear Sir/Madam

**DEVELOPMENT APPLICATION NO. DA2018-0443 FOR NEW WASTE WATER TREATMENT PLANT ON LOT 100 DP 1097471, GUNNEDAH ROAD WESTDALE.**

I refer to the subject development application and advise that Council has completed its assessment of the application to modify the conditions of development consent in the following manner:

Add Condition:

- 37a) To ensure potential noise impacts associated with the development are mitigated where possible.
- 37b) To address potential contamination discovery (including resultant reporting measures) during the construction phase of the development.

Amend Condition:

- 10) To refer to modified development plan set.

Pursuant to Section 4.55(1A) of the Environmental Planning and Assessment Act 1979, Council has approved the application to amend conditions. In this regard, conditions of the development consent now comprise:

**Prior to Work Commencing**

- 1) The approved development which is the subject of this development consent must not be commenced until:
  - a) A construction certificate for the building work has been issued by the consent authority, the council (if the council is not the consent authority) or an accredited Certifier, and
  - b) The person having the benefit of the development consent has;
    - i) Appointed a Principal Certifying Authority for the building work, and
    - ii) Notified the Principal Certifying that the person will carry out the building work as an owner-builder, if that is the case, and;
  - c) The principal certifying authority has, no later than 2 days before the building work commences;
    - i) Notified the consent authority and the council (if the council is not the consent authority) of his or her appointment, and

- ii) Notified the person having the benefit of the development consent of any critical stage inspections and other inspections that are to be carried out in respect of the building work, and
  - d) The person having the benefit of the development consent, if not carrying out the work as an owner-builder, has
    - i) Appointed a principal contractor for the building work who must be the holder of a contractor license if any residential building work is involved, and
    - ii) Notified the Principal Certifying Authority of any such appointment, and
    - iii) Unless that person is the principal contractor, notified the principal contractor of any critical stage inspections and other inspections that are to be carried out in respect of the building work, and
    - iv) Give at least 2 days notice to the council of the persons intention to commence the erection of the building.
- 2) Toilet facilities are to be provided, at or in the vicinity of the work site on which work involved in the erection or demolition of a building is being carried out, at the rate of one toilet for every 20 persons or part of 20 persons employed at the site. Each toilet provided:
  - a) Must be a standard flushing toilet, and
  - b) Must be connected to a public sewer, or
  - c) If connection to a public sewer is not practicable, to an accredited sewage management facility approved by the council, or

The provision of toilet facilities in accordance with this condition must be completed before any other work is commenced.

- 3) The applicant must ensure that a sign containing the following information is erected in a prominent position and maintained on the site at all times:
  - a) The name, address and telephone number of the principal certifying authority for the work, and
  - b) The name of the principal contractor (if any) for any building work and a telephone number on which that person may be contacted outside working hours, and
  - c) A statement that unauthorised entry to the work site is prohibited.

The sign is to be removed when the work has been completed.

- 4) Erosion and sediment control measures that will minimise damage to and avoid pollution of the environment are required for this development. An erosion and sediment control plan (ESCP) is to be prepared in accordance with the "Blue Book" Managing Urban Stormwater –Soils and Construction (Landcom 2004). THE ESCP is to be implemented prior to the commencement of any construction works.
- 5) The contractors engaged to undertake development on public land and infrastructure must maintain public liability insurance cover to the minimum value of \$20 million. The policy shall specifically indemnify Council from all claims arising from the execution of the works. Documentary evidence of the currency of the policy shall be provided to Council prior to the commencement of work and upon request, during the progress of the work.

#### **Prior to the release of a Construction Certificate**

- 6) a) In accordance with Section 80A(1) of the Environmental Planning and Assessment Act 1979 and the Tamworth Regional Council Section 94A Development Contributions Plan 2013, a levy of 1% of the development cost, as determined by a Quantity Surveyors Detailed Cost Report, shall be paid to Council to cater for the increased demand for community infrastructure resulting from the development.

- b) The monetary contributions shall be paid to Council prior to the issue of the first Construction Certificate.

The Tamworth Regional Council Section 94A Development Contributions Plan may be viewed at [www.tamworth.nsw.gov.au](http://www.tamworth.nsw.gov.au) or a copy may be inspected at Council's Administration Centre during normal business hours.

- 7) Certification shall be provided in accordance with Annexure A of Council's current version of the Engineering Design Guidelines for Subdivisions and Developments.
- 8) A stormwater servicing strategy for the development site shall be prepared and submitted to Council for approval in accordance with the requirements of Part 3 of Council's current version of the Engineering Design Guidelines for Subdivisions and Developments. The stormwater servicing strategy for this development must also include calculations and associated commentary for the following at a minimum:
- a) Minor stormwater network
  - b) Q100 overland flow paths
  - c) Any proposed areas of retention or detention
  - d) Contingency management for any overflow from the proposed WWTP SBR/lagoons/ponds into Boltons Creek or the unnamed natural watercourse

The stormwater servicing strategy to be approved by Council shall be used to address the required stormwater drainage design for the development site.

- 9) Detailed engineering drawings and construction specifications, specific to the works, prepared in accordance with Council's Engineering Design Guidelines for Subdivisions and Developments, are required. Completed 'Information to be shown on drawings' and 'Checklists' contained within Council's Engineering Design Guidelines for Subdivisions and Developments shall be submitted to ensure all works are designed and constructed in accordance with recognised and accepted standards and guidelines for the following at minimum:
- a) Where applicable - retention/detention system;
  - b) A safety in design report in line with section 1.4.2 of the current version of Council's Engineering Design Guidelines for Subdivisions and Developments shall be submitted to and approved by Council for all external works;
  - c) Where applicable - An operations and maintenance plan for any retention/detention system.

All plans are to include details of the location of all existing utility services.

The engineering drawings shall be submitted to Council for approval prior to the issue of a Construction Certificate.

### General

- 10) *Development shall take place in accordance with the attached endorsed plans:*
- a) *Development Plans prepared by Bath Stewart Associates Pty Ltd, Drawing No. 02, 51,52,53,54 & 100 (Revision F), Ref. No. 17426-CAL, dated 13 February 2019.*
- 11) The development must be carried out in accordance with the Development Application and accompanying plans, drawings and other documents as amended by conditions of this consent. Any amendment to the development or to these conditions will require the consent of the Council.
- 12) All proposed building, site works or property improvement indicated on the submitted plans or otherwise required under the terms of this consent shall be completed prior to occupation of

the premises to ensure compliance with the provisions of the Environmental Planning and Assessment Act, 1979.

- 13) All building work must be carried out in accordance with the provisions of the National Construction Code (NCC).
- 14) Any outdoor lighting shall be designed to comply with, where relevant, AS/NZ1158 and AS4282.
- 15) To ensure the safety, all demolition work shall be carried out in accordance with Workcover Authority requirements and Australian Standard 2601 - The Demolition of Structures.
- 16) The development shall be sited and constructed in accordance with the approved site plan. No portion of any proposed structures including any fences or gates shall encroach upon an adjoining property or the road reserve area.
- 17) It is the responsibility of the developer to meet all expenses incurred in undertaking the development, including expenses incurred in complying with conditions imposed under this approval.
- 18) Any existing State Survey Mark or Cadastral Survey Mark shall be preserved during construction and not disturbed unless authority has been obtained from the Surveyor-General in accordance with the Surveyor-General's Directions published by the NSW Land and Property Information Service. In this regard, the Principal Contractor is responsible for the protection of the mark.
- 19) The Applicant shall consult with, as required:
  - a) Essential Energy;
  - b) Natural gas company; and
  - c) A telecommunications carrier

regarding their requirements for the provision of services to the development and the location of existing services that may be affected by the proposed works, either on site or on the adjacent public road(s).

#### **EPA Licencing Requirements**

- 20) The development shall be carried out in accordance with the conditions provided by NSW Environmental Protection Authority (EPA) – Attachments 1 & 2, dated 12<sup>th</sup> April 2018 as contained in Annexure A of this consent.

#### **Operation of the Waste Water Treatment Facility**

- 21) The discharge of treated effluent to Council's reticulated sewerage system from the waste water treatment plant shall be in accordance with the requirements of the existing Liquid Trade Waste Services Agreement, Oakburn Protein Recovery Plant 2017-2019 executed by Tamworth Regional Council on 23<sup>rd</sup> November 2017.
- 22) Effluent discharge shall be at the existing connection point via Baiada's existing private rising main.

#### **During Construction or Works**

##### *General*

- 23) Work on the project shall be limited to the following hours to prevent unreasonable disturbance to the amenity of the area:-

**Monday to Friday - 7.00am to 5.00pm;**

**Saturday - 8.00am to 1.00pm if audible on other residential premises, otherwise 7.00am to 5.00pm;**

**No work to be carried out on Sunday or Public Holidays if it is audible on other residential premises.**

The applicant shall be responsible to instruct and control any sub-contractors regarding the hours of work.

- 24) All building works shall be constructed in accordance with safe work practices and complying with the relevant Australian Standards, Codes of Practice and the National Construction Code (NCC).
- 25) The applicant must maintain the installed water pollution, erosion and sedimentation controls in accordance with the "Managing Urban Stormwater - Soils and Construction" published by the NSW Department of Housing ("The Blue Book").
- 26) The Developer shall ensure that dust suppression is undertaken to ensure there is no visible dust emitted due to any works associated with the works associated with the development. This can be in the form of constant water spraying or other natural based proprietary dust suppressant, to ensure that dust caused by any vehicles moving in, out or within the development site does not cause a nuisance to surrounding properties.
- 27) Any spillage of materials onto Council infrastructure, as a result of delivery or handling for this development, must be removed as soon as practicable by the developer and placed into suitable receptacles for reclamation or disposal in a manner that does not cause pollution of the environment.
- 28) The public way (outside of any construction works zone) must not be obstructed by any materials, vehicles, refuse, skips or the like, under any circumstances. Non-compliance with this requirement will result in the issue of a notice by the relevant Authority to stop all work on site.
- 29) The footpath and/or road reserve are not to be used for construction purposes or placing of building materials (without Council's prior consent) to ensure safe and unobstructed access for pedestrians. Where necessary, application may be made by contacting Council.
- 30) Any damage caused to Council infrastructure during building operations shall be rectified by the owner or the builder to the satisfaction of Council to ensure the integrity of Council's infrastructure is maintained to an acceptable standard.

#### *Stormwater*

- 31) All hardstand runoff discharging from the proposed development site, buildings and works must be conveyed to the approved point of discharge by underground pipe drains complying with AS3500.3 (as amended) and in accordance with the current version of the Engineering Design Guidelines for Subdivisions and Developments. No effluent or polluted water of any type may be allowed to enter the Council's stormwater drainage system.
- 32) Additionally, the stormwater discharge drainage system must be constructed to comply with the following requirements as a minimum:
  - a) All plumbing within the site must be carried out in accordance with relevant provisions of Australian Standard AS/NZS 3500.3 (as amended) Plumbing and Drainage – Stormwater Drainage;
  - b) Temporary down pipes shall be connected as soon as the roof has been covered so as to not cause a nuisance to adjoining properties;

- c) All overland surface flow paths must have a practical and satisfactory destination with due consideration to erosion and sediment control during all stages of development. A system to prevent overland flows discharging onto adjoining properties shall be implemented;
- d) Any interruption to the natural overland flow of stormwater drainage which could result in the disruption of amenity, or drainage or deterioration to any other property is not permitted;
- e) All overflow from any retention/ detention devices shall be collected and piped to the approved point of discharge.

The approved point of discharge for the development site is defined as Boltons Creek or alternatively the unnamed watercourse at the northern boundary of the development site.

- 33) The onsite stormwater systems shall be designed in accordance with Councils current version of the Engineering Design Guidelines for Subdivisions and Developments.

#### *Traffic & Parking*

- 34) The internal driveways and parking areas are to be constructed with a base course of adequate depth to accommodate the anticipated vehicle loadings over its design life (including construction traffic).
- 35) All internal parking areas shall be designed to comply with Australian Standard 2890.1-2004 'Off-street car parking'.
- 36) To provide for the safety and security of employees and users of the facility, outdoor lighting in accordance with AS1158.3.1 Pedestrian Area (Category P) Lighting shall be provided to all off-street parking areas. The lighting installed must comply with AS4282 Control of Obtrusive Effects of Outdoor Lighting.

#### *Allotment Filling*

- 37) All allotment filling that is required for the development site shall meet the requirements of AS3798 (as amended) – Guidelines on Earthworks for Commercial and Residential Developments. Certification of the allotment filling shall be provided by a geotechnical testing authority registered under NATA. The testing authority shall be required to certify whether the fill complies with the requirements of AS2870.1 (as amended) – Residential Slabs and Footings – Construction, as “controlled fill”.

#### *Noise*

- 37a) *Consideration is to be given to the location and positioning of noise generating equipment during the construction phase and continued operation of the development activity so as to mitigate noise nuisance to adjoining landowners.*

#### *Contamination*

- 37b) *In the event that any contamination (a concentration of substances above that naturally present that poses, or is likely to pose an immediate or long term risk to human health or environment) is discovered, work must immediately cease and the Councils Manager Regulatory Services must be contacted to arrange an inspection in accordance with State Environmental Planning Policy No 55 - Remediation of Land.*

#### *Inspections*

- 38) It is required that a Principal Certifying Authority (PCA) be appointed to undertake all critical stage inspections as prescribed under the Environmental Planning and Assessment

Regulations, 2000. The owner may appoint either the Council or an accredited certifier to be the PCA.

#### **Prior to Occupation**

- 39) The occupation or use of the whole or any part of a new building must not commence unless an occupation certificate has been issued in relation to the building or part

#### **Prior to the release of an Occupation Certificate**

- 40) All open, standing water bodies associated with the waste water treatment plant must be covered with bird netting or the like prior to issue of any Occupation Certificate, and in perpetuity, to prevent bird attraction and subsequently minimise the potential for bird strike at the Tamworth Regional Airport.
- 41) A Contingency Plan with respect to the management of waste water and associated operations shall be prepared to address the possibility of mechanical failure. A copy of the Contingency Plan is required to be submitted to Council and the Principal Certifying Authority prior to issue of any Occupation Certificate.
- 42) For developments where allotment filling has been undertaken, a copy of the NATA testing authority certification for compliance to the requirements of AS2870.1 (as amended) – Residential Slabs and Footings – Construction shall be provided to Council.
- 43) Easements for utilities and services, including stormwater and sewer, in favour of the lots benefiting and/or Council shall be provided where services are located on private properties and/or overland flows traverse private property.

#### **Ongoing Requirements**

- 44) The on-site stormwater systems shall be maintained at all times so as to ensure their effective operation for their intended purpose.

#### **Advice**

- Note 1: The proponent is required to submit an application to NSW EPA's Armidale office to vary the existing licence (EPL No. 7566), before operations commence under this approval. If the operation commences and the licence is not varied, the operator may be in breach of conditions in the current licence.
- Note 2: The Odour Management Plan for the premises will need to be updated to reflect the changes to the wastewater treatment at the premises once the new plant becomes operational. Consultation with the consent authority, being the Department of Planning and Environment is recommended in this regard.
- Note 3: The development must be undertaken in accordance with the State Significant Development approval issued by the Department of Planning and Environment, being DA53/97 MOD 5.

Please note that this approval remains effective from the original date of consent, being 20<sup>th</sup> June 2018.

Under the provisions of Section 8.7 of the Act you may (within six (6) months from the date of this development consent) appeal to the Land and Environment Court against conditions imposed should you feel they are unreasonable.

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We are progressively introducing new e-planning tools which will transform the way we deliver our services. The first steps completed have made more information available to you online, including access to an electronic copy of this development consent. Visit Council's Application Tracking Portal at [www.tamworth.nsw.gov.au](http://www.tamworth.nsw.gov.au) to view your documentation.

Yours faithfully,



**Brent McAlister**  
**Director Planning & Compliance**

Contact: Dan Whale (02) 6767 5532 or [d.whale@tamworth.nsw.gov.au](mailto:d.whale@tamworth.nsw.gov.au)

*Reference: MOD2019-0077*

05 March 2019

## Annexure A

# Attachment 1: Consent Approval Conditions Recommended by EPA

## Administrative conditions

### **A1. Information supplied to the EPA**

A1.1 Except as expressly provided by these general terms of approval, works and activities must be carried out in accordance with the proposal contained in:

- the development application DA2018-0443 submitted to Tamworth Regional Council on 9 March 2018;
- the Statement of Environmental Effects, 'Oakburn Waste Water Treatment Facility Oxley Highway, Tamworth', prepared by PSA Consulting Australia, dated 6 March 2018 relating to the development; and
- all additional documents supplied to the EPA in relation to the development.

### **A2. Fit and Proper Person**

A2.1 The applicant must, in the opinion of the EPA, be a fit and proper person to hold a licence under the *Protection of the Environment Operations Act 1997*, having regard to the matters in s.83 of that Act.

## Limit conditions

### **L1. Pollution of waters**

L1.1 Except as may be expressly provided by a licence under the *Protection of the Environment Operations Act 1997* in relation of the development, section 120 of the *Protection of the Environment Operations Act 1997* must be complied with in and in connection with the carrying out of the development.

### **L5. Waste**

L5.1 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 a licence under the *Protection of the Environment Operations Act 1997*.

L5.2 This condition only applies to the storage, treatment, processing, reprocessing or disposal of waste at the premises if it requires an environment protection licence under the *Protection of the Environment Operations Act 1997*.

## Operating conditions

### **O1. Odour**

O1.1 No condition of this licence identifies a potentially offensive odour for the purposes of section 129 of the *Protection of the Environment Operations Act 1997*.

Note: Section 129 of the *Protection of the Environment Operations Act 1997*, provides that the licensee must not cause or permit the emission of any offensive odour from the premises but provides a defence if the emission is identified in the relevant environment protection licence as a potentially offensive odour and the odour was emitted in accordance with the conditions of a licence directed at minimising odour.

### **O2. Dust**

O2.1 Activities occurring at the premises must be carried out in a manner that will minimise emissions of dust from the premises.

O2.2 Trucks entering and leaving the premises that are carrying loads must be covered at all times, except during loading and unloading.

### **03. Stormwater/sediment control - Construction Phase**

**03.1** An Erosion and Sediment Control Plan (ESCP) must be prepared and implemented. The plan must describe the measures that will be employed to minimise soil erosion and the discharge of sediment and other pollutants to lands and/or waters during construction activities. The ESCP should be prepared in accordance with the requirements for such plans outlined in *Managing Urban Stormwater: Soils and Construction* (available from the Department of Housing).

### **04. Stormwater/sediment control - Operation Phase**

**04.1** A Stormwater Management Scheme must be prepared for the development and must be implemented. Implementation of the Scheme must mitigate the impacts of stormwater run-off from and within the premises following the completion of construction activities. The Scheme should be consistent with the Stormwater Management Plan for the catchment. Where a Stormwater Management Plan has not yet been prepared the Scheme should be consistent with the guidance contained in *Managing Urban Stormwater: Council Handbook* (available from the EPA).

*Note: This condition would normally only be used where a SWMP is required and stormwater management would be incorporated into EPA's licence. For other proposals the EPA may suggest that the consent authority include a similar condition where appropriate. Information relating to structural and non-structural options for managing site stormwater is provided in the "Managing Urban Stormwater: Source Control" and "Managing Urban Stormwater: Treatment Techniques" documents respectively.*

### **05. Operation of the gas flare**

**05.1** Any flare used to burn biogas must be designed and operated in such a manner that a flame is present at all times.

### **Reporting conditions**

**R1.1** The applicant must provide an annual return to the EPA in relation to the development as required by any licence under the *Protection of the Environment Operations Act 1997* in relation to the development. In the return the applicant must report on the annual monitoring undertaken (where the activity results in pollutant discharges), provide a summary of complaints relating to the development, report on compliance with licence conditions and provide a calculation of licence fees (administrative fees and, where relevant, load based fees) that are payable. If load based fees apply to the activity the applicant will be required to submit load-based fee calculation worksheets with the return.

### **Special Conditions**

#### **E1 Decommissioning the biofilter**

**E1.1** Before decommissioning the biofilter, the Applicant must provide to the EPA an estimate of the consequential change to odour emissions and mitigating actions to be implemented to ensure compliance with section 129 of the *Protection of the Environment Operations Act 1997*.

## **Attachment 2 – Mandatory Conditions for all EPA licences**

### **Operating conditions**

#### **Activities must be carried out in a competent manner**

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.

#### **Maintenance of plant and equipment**

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.

### **Monitoring and recording conditions**

#### **Recording of pollution complaints**

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.

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.

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

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

#### **Telephone complaints line**

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.

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.

This condition does not apply until 3 months after this condition takes effect.

### **Reporting conditions**

#### **Annual Return documents**

##### ***What documents must an Annual Return contain?***

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

- a. Statement of Compliance; and
- b. Monitoring and Complaints Summary.

A copy of the form in which the Annual Return must be supplied to the EPA accompanies this licence. Before the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.

### ***Period covered by Annual Return***

An Annual Return must be prepared in respect of each reporting, 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.*

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.*

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.

### ***Deadline for Annual Return***

The Annual Return for the reporting period must be supplied to the EPA 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').

### ***Licensee must retain copy of Annual Return***

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.

### ***Certifying of Statement of Compliance and Signing of Monitoring and Complaints Summary***

Within the Annual Return, the Statement 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.

A person who has been given written approval to certify a Statement of Compliance under a licence issued under the Pollution Control Act 1970 is taken to be approved for the purpose of this condition until the date of first review this licence.

### ***Notification of environmental harm***

*Note: The licensee or its employees must notify the EPA 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*

Notifications must be made by telephoning the EPA's Pollution Line service on 131 555.

The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.

### ***Written report***

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.

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.

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; and
- 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;
- g. any other relevant matters.

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.

## **General conditions**

### **Copy of licence kept at the premises or on the vehicle or mobile plant**

A copy of this licence must be kept at the premises or on the vehicle or mobile plant to which the licence applies.

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

The licence must be available for inspection by any employee or agent of the licensee working at the premises or operating the vehicle or mobile plant.

# Development Consent

## Section 4.38 of the *Environmental Planning and Assessment Act 1979*

As delegate of the Minister for Planning and Public Spaces under delegation executed on 9 March 2020, 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



18/12/2020

Anthea Sargeant  
**Executive Director**  
**Key Sites and Regional Assessment**

Sydney

2020

### SCHEDULE 1

<b>Application Number:</b>	SSD-9394
<b>Applicant:</b>	Baiada (Tamworth) Pty Ltd
<b>Consent Authority:</b>	Minister for Planning and Public Spaces
<b>Site:</b>	1154 Gunnedah Road, Westdale Lot 100 on DP1097471 Lot 101 on DP1097471 Lot 102 on DP1097471
<b>Development:</b>	Construction and operation of Baiada Integrated Poultry Processing Facility, including: <ul style="list-style-type: none"><li>• Poultry processing facility, with capacity to process up to 3 million birds a week</li><li>• Protein Recovery Plant, with capacity to render up to 1,680 tonnes of finished product per week</li><li>• Wastewater treatment plant</li><li>• Advanced water treatment plant</li><li>• Road connection to Workshop Lane</li><li>• Earthworks</li><li>• Connection to infrastructure</li></ul>
<b>Preamble:</b>	This instrument applies to the <b>Development</b> which is comprised of the <b>Existing Development</b> and the <b>Project</b> on the land (refer to definitions)

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## DEFINITIONS

<b>Applicant</b>	Baiada (Tamworth) Pty Ltd, or any person carrying out any development to which this consent applies
<b>AWTP</b>	Advanced water treatment plant
<b>BCA</b>	Building Code of Australia
<b>BC Act</b>	<i>Biodiversity Conservation Act 2016</i>
<b>Certifier</b>	A person who is authorised by or under section 6 of the EP&A Act to issue Part 6 certificates
<b>CEMP</b>	Construction Environmental Management Plan
<b>Conditions of this consent</b>	Conditions contained in Schedule 2 of this document
<b>Construction</b>	The demolition and removal of buildings or works, the carrying out of works for the purpose of the development, including bulk earthworks, and erection of buildings and other infrastructure permitted by this consent.
<b>Council</b>	Tamworth Regional Council
<b>Day</b>	The period from 7 am to 6 pm on Monday to Saturday, and 8 am to 6 pm on Sundays and Public Holidays
<b>Demolition</b>	The deconstruction and removal of buildings, sheds and other structures on the site
<b>Department</b>	NSW Department of Planning, Industry and Environment
<b>Development</b>	The Existing Development and the Project
<b>Development layout</b>	The plans at Appendix 1 of this consent
<b>DPI – Water</b>	DPI – Lands, Water and Department of Primary Industries
<b>Earthworks</b>	Bulk earthworks, site levelling, import and compaction of fill material, excavation for installation of drainage and services, to prepare the site for construction
<b>EES</b>	Environment, Energy and Science Group of the Department
<b>EIS</b>	The Environmental Impact Statement titled <i>Oakburn Poultry Processing Plant – Tamworth NSW, prepared by PSA Consulting Australia</i> dated 2 July 2019, submitted with the application for consent for the development, including any additional information provided by the Applicant in support of the application
<b>ENM</b>	Excavated Natural Material
<b>Environment</b>	Includes all aspects of the surroundings of humans, whether affecting any human as an individual or in his or her social groupings
<b>EPA</b>	NSW Environment Protection Authority
<b>EP&amp;A Act</b>	<i>Environmental Planning and Assessment Act 1979</i>
<b>EP&amp;A Regulation</b>	Environmental Planning and Assessment Regulation 2000
<b>Evening</b>	The period from 6 pm to 10 pm
<b>Existing Development</b>	The continuation of the existing protein recovery plant with a processing volume of 530 tonnes of raw material per day and 160 tonnes of finished product per day at 1154 Gunnedah Road, Westdale, as described in the EIS and RTS.
<b>Heritage</b>	Encompasses both Aboriginal and historic heritage including sites that predate European settlement, and a shared history since European settlement
<b>Heritage item</b>	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 Object or Aboriginal Place as defined under the <i>National Parks and Wildlife Act 1974</i> , the World Heritage List, or the National Heritage List or Commonwealth Heritage List under the <i>Environment Protection and Biodiversity Conservation Act 1999</i> (Cth), or anything identified as a heritage item under the conditions of this consent
<b>IBRA</b>	Interim Biogeographic Regionalisation for Australia
<b>Incident</b>	An occurrence or set of circumstances that causes or threatens to cause material harm and which may or may not be or cause a non-compliance Note: “material harm” is defined in this consent

<b>Land</b>	Has the same meaning as the definition of the term in section 1.4 of the EP&A Act
<b>Material harm</b>	Is harm that: <ul style="list-style-type: none"> <li>• involves actual or potential harm to the health or safety of human beings or to the environment that is not trivial, or</li> <li>• results in actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding \$10,000, (such loss includes the reasonable costs and expenses that would be incurred in taking all reasonable and practicable measures to prevent, mitigate or make good harm to the environment)</li> </ul>
<b>Minister</b>	NSW Minister for Planning and Public Spaces (or delegate)
<b>Mitigation</b>	Activities associated with reducing the impacts of the development prior to or during those impacts occurring
<b>Monitoring</b>	Any monitoring required under this consent must be undertaken in accordance with section 9.40 of the EP&A Act
<b>Night</b>	The period from 10pm to 7am on Monday to Saturday, and 10pm to 8am on Sundays and Public Holidays
<b>Non-compliance</b>	An occurrence, set of circumstances or development that is a breach of this consent
<b>OEMP</b>	Operational Environmental Management Plan
<b>Operation</b>	The use of an integrated poultry processing facility, including poultry processing, rendering and wastewater treatment
<b>PC</b>	Principal Certifier in accordance with the EP&A Act
<b>PCT 599</b>	Blakely's Red Gum - Yellow Box grassy tall woodland
<b>Planning Secretary</b>	The Secretary of the Department, or nominee
<b>POEO Act</b>	<i>Protection of the Environment Operations Act 1997</i>
<b>Project</b>	The construction and operation of an integrated poultry processing facility, including poultry processing, wastewater treatment plant, advanced water treatment plant and the increase to capacity of the Existing Development, as described in the EIS and RTS, and as generally depicted in plans in Appendix 1;
<b>Reasonable</b>	Means applying judgement in arriving at a decision, taking into account: mitigation benefits, costs of mitigation versus benefits provided, community views, and the nature and extent of potential improvements.
<b>Registered Aboriginal Parties</b>	Means the Aboriginal persons identified in accordance with the document entitled " <i>Aboriginal cultural heritage consultation requirements for proponents 2010</i> " (DECCW)
<b>Response to submissions</b>	The Applicant's response to issues raised in submissions received in relation to the application for consent for the development under the EP&A Act, titled <i>Baiada Integrated Poultry Processing Facility (SSD-9394) – Response to Submissions</i> , prepared by PSA Consulting Australia dated 3 July 2020 and the <i>Baiada Integrated Poultry Processing Facility (SSD-9394) – Supplementary Response to Submissions</i> prepared by PSA Consulting Australia dated 18 October 2020.
<b>Sensitive receivers</b>	A location where people are likely to work, occupy or reside, including a dwelling, school, hospital, office or public recreational area.
<b>Site</b>	The land defined in Schedule 1.
<b>TfNSW</b>	Transport for New South Wales
<b>VENM</b>	Virgin Excavated Natural Material
<b>Waste</b>	Has the same meaning as the definition of the term in the Dictionary to the POEO Act
<b>WWTP</b>	Wastewater treatment plant
<b>Year</b>	A period of 12 consecutive months

## SCHEDULE 2

### PART A ADMINISTRATIVE CONDITIONS

#### OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT

- A1. In addition to meeting the specific performance measures and criteria in this consent, all reasonable and feasible measures must be implemented to prevent, and if prevention is not reasonable and feasible, minimise, any material harm to the environment that may result from the construction and operation of the development, and any rehabilitation required under this consent.

#### TERMS OF CONSENT

- A2. The development may only be carried out:
- (a) in compliance with the conditions of this consent;
  - (b) in accordance with all written directions of the Planning Secretary;
  - (c) in accordance with the EIS, Response to Submissions and Supplementary Response to Submissions;
  - (d) in accordance with the Development Layout in Appendix 1; and
  - (e) in accordance with the management and mitigation measures in Appendix 3.
- A3. Consistent with the requirements in this consent, the Planning Secretary may make written directions to the Applicant in relation to:
- (a) the content of any strategy, study, system, plan, program, review, audit, notification, report or correspondence submitted under or otherwise made in relation to this consent, including those that are required to be, and have been, approved by the Planning Secretary; and
  - (b) the implementation of any actions or measures contained in any such document referred to in condition A3(a).
- A4. The conditions of this consent and directions of the Planning Secretary prevail to the extent of any inconsistency, ambiguity or conflict between them and a document listed in condition A2(c) or A2(e). In the event of an inconsistency, ambiguity or conflict between any of the documents listed in condition A2(c) and A2(e), the most recent document prevails to the extent of the inconsistency, ambiguity or conflict.

*Note: For the purposes of this condition, there will be an inconsistency between documents if it is not possible to comply with both documents, or in the case of a condition of consent or direction of the Planning Secretary, and a document, if it is not possible to comply with both the condition or direction, and the document.*

#### LIMITS OF CONSENT

##### Lapsing

- 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 that date.

##### Protein Recovery Plant

- A6. The rendering capacity cannot increase from 1,120 tonnes to 1,680 tonnes of finished rendering product per week in the protein recovery plant until such time that all works associated with the project, are complete and operational, to the satisfaction of the Planning Secretary.

##### Poultry Processing Facility

- A7. The development is limited to the following limits within the processing plant:
- (a) processing of up to 3 million birds per week; and
  - (b) holding of 90,000 birds (average over 24 hour period) within the live bird area.
- A8. Exhaust fans on the processing areas must be designed to achieve a minimum exit velocity of 15 milliseconds.
- A9. The final design and operation of the plant must not preclude the ability for air pollution and odour emission controls to be retrofitted.

#### NOTIFICATION OF COMMENCEMENT

- A10. The date of commencement of each of the following phases of the development must be notified to the Department in writing, at least one month before that date, or as otherwise agreed with the Planning Secretary:
- (a) construction;
  - (b) operation; and
  - (c) cessation of operations.

- A11. If the construction or operation of the development is to be staged, the Department must be notified in writing at least one month before the commencement of each stage of the date of commencement and the development to be carried out in that stage, or a timeframe otherwise agreed with the Planning Secretary.

#### **SURRENDER OF EXISTING CONSENTS**

- A12. Within 12 months of the date of determination of this development consent, or within another timeframe agreed by the Planning Secretary, the Applicant must surrender the consents specified in Appendix 3 in accordance with the EP&A Regulation.
- A13. Upon the commencement of development to which this consent applies, and before the surrender of existing development consents or project approvals as required under condition A12, the conditions of this consent prevail to the extent of any inconsistency with the conditions of those consents or approvals.

**Note:** *This requirement does not extend to the surrender of construction and occupation certificates for existing and proposed building works under the former Part 4A of the EP&A Act or Part 6 of the EP&A Act as applies from 1 September 2018. The surrender should not be understood as implying that works legally constructed under a valid consent or approval can no longer be legally maintained or used.*

#### **EVIDENCE OF CONSULTATION**

- A14. Where conditions of this consent require consultation with an identified party, the Applicant must:
- (a) consult with the relevant party prior to submitting the subject document to the Planning Secretary for approval; and
  - (b) provide details of the consultation undertaken including:
    - (i) the outcome of that consultation, matters resolved and unresolved; and
    - (ii) details of any disagreement remaining between the party consulted and the Applicant and how the Applicant has addressed the matters not resolved.

#### **STAGING, COMBINING AND UPDATING STRATEGIES, PLANS OR PROGRAMS**

- A15. With the approval of the Planning Secretary, the Applicant may:
- (a) prepare and submit any strategy, plan or program required by this consent on a staged basis (if a clear description is provided as to the specific stage and scope of the development to which the strategy, plan or program applies, the relationship of the stage to any future stages and the trigger for updating the strategy, plan or program);
  - (b) combine any strategy, plan or program required by this consent (if a clear relationship is demonstrated between the strategies, plans or programs that are proposed to be combined); and
  - (c) update any strategy, plan or program required by this consent (to ensure the strategies, plans and programs required under this consent are updated on a regular basis and incorporate additional measures or amendments to improve the environmental performance of the development).
- A16. If the Planning Secretary agrees, a strategy, plan or program may be staged or updated without consultation being undertaken with all parties required to be consulted in the relevant condition in this consent.
- A17. If approved by the Planning Secretary, updated strategies, plans or programs supersede the previous versions of them and must be implemented in accordance with the condition that requires the strategy, plan or program.

#### **PROTECTION OF PUBLIC INFRASTRUCTURE**

- A18. Before the commencement of construction, the Applicant must:
- (a) consult with the relevant owner and provider of services that are likely to be affected by the development to make suitable arrangements for access to, diversion, protection and support of the affected infrastructure;
  - (b) prepare a dilapidation report identifying the condition of all public infrastructure in the vicinity of the site (including roads, gutters and footpaths); and
  - (c) submit a copy of the dilapidation report to the Planning Secretary and Council.
- A19. Unless the Applicant and the applicable authority agree otherwise, the Applicant must:
- (a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by carrying out the development; and
  - (b) relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the development.

**Note:** *This condition does not apply to any damage to roads caused as a result of general road usage or otherwise addressed by contributions required by A23 of this consent.*

## DEMOLITION

A20. All demolition must be carried out in accordance with *Australian Standard AS 2601-2001 The Demolition of Structures* (Standards Australia, 2001).

## STRUCTURAL ADEQUACY

A21. All new buildings and structures, and any alterations or additions to existing buildings and structures, that are part of the development, must be constructed in accordance with the relevant requirements of the BCA.

*Note:*

- *Under Part 6 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 development.*

## COMPLIANCE

A22. The Applicant must ensure that all of its employees, contractors (and their sub-contractors) are made aware of, and are instructed to comply with, the conditions of this consent relevant to activities they carry out in respect of the development.

## DEVELOPMENT CONTRIBUTIONS

A23. Before the issue of an occupation certificate for any part of the project a levy of 1% of the development cost, as determined by a Registered Quantity Surveyor's Detailed Cost Report, must be paid to Council to cater for the increased demand for community infrastructure resulting from the development, in accordance with Section 4.17 and Section 7.12 of the EP&A Act and the Tamworth Regional Council Section 94A (Indirect) Contributions Plan. 2013

## OPERATION OF PLANT AND EQUIPMENT

A24. All plant and equipment used on site, or to monitor the performance of the development must be:

- (a) maintained in a proper and efficient condition; and
- (b) operated in a proper and efficient manner.

## EXTERNAL WALLS AND CLADDING

A25. The external walls of all buildings including additions to existing buildings must comply with the relevant requirements of the BCA.

A26. Before the issue of:

- (a) any Construction Certificate relating to the construction of external walls (including the installation of finishes and claddings such as synthetic or aluminium composite panels); and
- (b) an Occupation Certificate,

the Applicant must provide the Certifier with documented evidence that the products and systems proposed for use or used in the construction of external walls (including finishes and claddings such as synthetic or aluminium composite panels) comply with the requirements of the BCA.

A27. The Applicant must provide a copy of the documentation given to the Certifier under condition A26 to the Planning Secretary within seven days after the Certifier accepts it.

## UTILITIES AND SERVICES

A28. Before the construction of any utility works associated with the development, the Applicant must obtain relevant approvals from service providers.

A29. Before the issue of a Subdivision Works Certificate or Construction Certificate for any stage of the development, the Applicant (whether or not a constitutional corporation) is to provide evidence, satisfactory to the Certifier, that arrangements have been made for:

- (a) the installation of fibre-ready facilities to the development to enable fibre to be readily connected to any premises that is being or may be constructed on those lots; and
- (b) the provision of fixed-line telecommunications infrastructure in the fibre-ready facilities to the development demonstrated through an agreement with a carrier.

A30. Before the issue of an Occupation Certificate, the Applicant must demonstrate that the carrier has confirmed in writing they are satisfied that the fibre ready facilities are fit for purpose.

## WORKS AS EXECUTED PLANS

A31. Before the issue of the final Occupation Certificate, works-as-executed drawings signed by a registered surveyor demonstrating that the stormwater drainage and finished ground levels have been constructed as approved, must be submitted to the Principal Certifier.

### **APPLICABILITY OF GUIDELINES**

- A32. References in the conditions of this consent to any guideline, protocol, Australian Standard or policy are to such guidelines, protocols, Standards or policies in the form they are in as at the date of this consent.
- A33. However, consistent with the conditions of this consent and without altering any limits or criteria in this consent, the Planning Secretary may, when issuing directions under this consent in respect of ongoing monitoring and management obligations, require compliance with an updated or revised version of such a guideline, protocol, Standard or policy, or a replacement of them.

### **ADVISORY NOTES**

- AN1. All licences, permits, approvals and consents as required by law must be obtained and maintained as required for the development. No condition of this consent removes any obligation to obtain, renew or comply with such licences, permits, approvals and consents.

## PART B SPECIFIC ENVIRONMENTAL CONDITIONS

### NOISE

#### Hours of Work

B1. The Applicant must comply with the hours detailed in Table 1.

**Table 1:** Hours of Work

Activity	Day	Time
Earthworks and construction	Monday – Friday	7 am to 6 pm
	Saturday	8 am to 1 pm
Operation (general)	Monday – Sunday	24 hours

B2. Works outside of the hours identified in condition B1 may be undertaken in the following circumstances:

- (a) works that are inaudible at the nearest sensitive receivers; or
- (b) works agreed to in writing by the Planning Secretary; or
- (c) for the delivery of materials required outside these hours by the NSW Police Force or other authorities for safety reasons; or
- (d) where it is required in an emergency to avoid the loss of lives, property or to prevent environmental harm.

#### Construction Noise Limits

B3. The development must be constructed to achieve the construction noise management levels detailed in *the Interim Construction Noise Guideline* (DECC, 2009) (as may be updated or replaced from time to time). All feasible and reasonable noise mitigation measures must be implemented and any activities that could exceed the construction noise management levels must be identified and managed in accordance with the management and mitigation measures in the Appendix 3.

#### Construction Noise Management Plan

B4. The Applicant must prepare a Construction Noise Management Plan for the development to the satisfaction of the Planning Secretary. The Plan must form part of a CEMP in accordance with condition C2 and must

- (a) be prepared by a suitably qualified and experienced noise expert whose appointment has been endorsed by the Planning Secretary;
- (b) be approved by the Planning Secretary prior to the commencement of construction of the project
- (c) describe procedures for achieving the noise management levels in EPA's *Interim Construction Noise Guideline* (DECC, 2009) (as may be updated or replaced from time to time);
- (d) describe the measures to be implemented to manage high noise generating works such as piling, in close proximity to sensitive receivers;
- (e) include a complaints management system that would be implemented for the duration of the development.

B5. The Applicant must:

- (a) not commence construction of any relevant stage of the project until the Construction Noise Management Plan required by condition B4 is approved by the Planning Secretary; and
- (b) implement the most recent version of the Construction Noise Management Plan approved by the Planning Secretary for the duration of construction.

#### Operational Noise Limits

B6. The Applicant must ensure that noise generated by operation of the development does not exceed the noise limits in Table 2.

**Table 2:** Noise Limits (dB(A))

Locality	Location	Day L <sub>Aeq</sub> (15 minute)	Evening L <sub>Aeq</sub> (15 minute)	Night L <sub>Aeq</sub> (15 minute)	Night L <sub>AFmax</sub>
R1	Girraween	40	35	35	52
R2	Abbeylands	40	35	35	52
R3	The Billabong	40	35	35	52
R4	Airport South	40	35	35	52

**Note:** Noise generated by the development is to be measured in accordance with the relevant procedures and exemptions (including certain meteorological conditions) of the NSW Noise Policy for Industry (EPA, 2017) (as may be updated or replaced from time to time). Refer to the plan in Appendix 3 for the location of residential sensitive receivers.

### **Noise Walls**

B7. The Applicant must construct the noise walls shown on page 32 of the *Revised Noise Impact Assessment – Oakburn Processing Facility & Rendering Plant dated August 2020*, prior to the commencement of operation of the project.

If construction of noise walls is to be staged, the Applicant must submit a noise verification study to the satisfaction of the Planning Secretary to demonstrate the development will comply with the noise limits in condition B6 at all times.

### **AIR QUALITY**

#### **Operational odour impact management**

- B8. The Applicant must ensure the development does not cause or permit the emission of any offensive odour (as defined under the POEO Act) beyond the boundary of the site.
- B9. The site must be maintained in a condition which minimises or prevents the emission of air pollution (including odour and dust) from the site.
- B10. The bird processing buildings must be designed and operated as to contain dust and odour, operating under negative pressure where possible.
- B11. All bird handling and associated cleaning activities are to be carried out so as to contain dust and odour, and where possible contained indoors.

#### **Odour management plan**

- B12. Within 6 months of the date of this consent, the Applicant must prepare an updated Odour Management Plan for the existing development to the satisfaction of the Planning Secretary. The Odour Management Plan must form part of the OEMP required by condition C5. The Odour Management Plan must be prepared by a suitably qualified and experienced person(s) whose appointment has been endorsed by the Planning Secretary and include:
- (a) objectives and targets;
  - (b) an odour risk assessment;
  - (c) proactive and reactive mitigation measures of all significant and potentially significant emissions sources;
  - (d) key performance indicators;
  - (e) monitoring method(s);
  - (f) location, frequency and duration of monitoring;
  - (g) record keeping;
  - (h) response mechanisms and contingency measures;
  - (i) responsibilities; and
  - (j) compliance reporting.
- B13. Prior to commencement of operation of the project, the Applicant must update the Odour Management Plan as required by condition B12 to incorporate the project and its management to the satisfaction of the Planning Secretary. The updated plan must be prepared in accordance with the requirements of condition B12 and must incorporate the following:
- (a) details of emissions from all sources of the Development;
  - (b) description of the air quality monitoring to measure the performance of the Development against this consent and the EPL; and
  - (c) description of any additional measures that would be implemented to ensure the Development complies with this consent and the EPL.
- B14. The Applicant must:
- (a) not commence operation until the Odour Management Plan required by condition B12 is approved by the Planning Secretary; and
  - (b) implement the most recent version of the Odour Management Plan approved by the Planning Secretary for the duration of the development.

#### **Odour audit**

- B15. The Applicant must carry out an Odour Audit of the development no later than six months after the commencement of operation of the development. The audit must:

- (a) be carried out by a suitably qualified, experienced and independent person(s);
- (b) audit the development in full operation;
- (c) include a summary of odour complaints and any actions that were carried out to address the complaints;
- (d) assess the operation against odour impact predictions in the EIS;
- (e) review design and management practices in the development against industry best practice for odour management; and
- (f) include an action plan that identifies and prioritises any odour mitigation measures that may be necessary to reduce odour emissions.

**Note:** *The Odour Audit may be prepared so that it addresses the requirements of this consent and the EPL for the development.*

- B16. Within six months of commissioning of the Odour Audit required by condition B15, or as otherwise agreed by the Planning Secretary, the Applicant must submit a copy of the Odour Audit report to the satisfaction of the Planning Secretary, together with the Applicant's response to any recommendations contained in the Odour Audit report.

#### **Dust Minimisation**

- B17. The Applicant must take all reasonable steps to minimise dust generated during all works authorised by this consent.
- B18. During construction, the Applicant must ensure that:
- (a) exposed surfaces and stockpiles are suppressed by regular watering or alternate suppression methods;
  - (b) all trucks entering or leaving the site with loads have their loads covered;
  - (c) trucks associated with the development do not track dirt onto the public road network;
  - (d) public roads used by these trucks are kept clean; and
  - (e) land stabilisation works are carried out progressively on site to minimise exposed surfaces.

#### **Air Quality Discharges**

- B19. The Applicant must install and operate equipment to ensure that the development complies with all load limits, air quality criteria/air emission limits and air quality monitoring requirements as specified in the EPL applicable to the site.

### **SOILS, WATER QUALITY AND HYDROLOGY**

#### **Imported Soil**

- B20. The Applicant must:
- (a) ensure that only VENM, ENM, or other material approved in writing by EPA is brought onto the site;
  - (b) keep accurate records of the volume and type of fill to be used; and
  - (c) make these records available to the Department upon request.

#### **Erosion and Sediment Control**

- B21. Prior to the commencement of any construction the Applicant must install and maintain suitable erosion and sediment control measures on-site, in accordance with the relevant requirements of the *Managing Urban Stormwater: Soils and Construction - Volume 1: Blue Book* (Landcom, 2004) guideline and the Erosion and Sediment Control Plan included in the CEMP required by condition C2.

#### **Discharge Limits**

- B22. The development must comply with section 120 of the POEO Act, which prohibits the pollution of waters, except as expressly provided for in an EPL.

#### **Stormwater Management System**

- B23. Prior to the commencement of operation of the project, the Applicant must design, install and operate a stormwater management system for the development. The system must:
- (a) be designed by a suitably qualified and experienced person(s);
  - (b) be generally in accordance with the conceptual design in the EIS;
  - (c) mitigate the impacts of stormwater run-off from and within the premises following the completion of construction activities;
  - (d) be consistent with the Stormwater Management Plan for the catchment;
  - (e) be in accordance with applicable Australian Standards;
  - (f) ensure that the system capacity has been designed in accordance with *Australian Rainfall and Runoff* (Engineers Australia, 2016) and *Managing Urban Stormwater: Council Handbook* (EPA, 1997) guidelines.

## Evaporation Ponds

- B24. The evaporation ponds must have liners installed and maintained to achieve a hydraulic conductivity of  $1 \times 10^{-9}$  metres per second or less via a constructed clay liner of at least 1000 mm thickness (or a geosynthetic liner providing equivalent or better protection) or otherwise agreed with the EPA or the Planning Secretary.
- B25. The evaporation ponds must be designed to include, and maintain, a freeboard level of at least 500mm to meet the 7-day rare design rainfall depth for a 1 in 2,000 year-event of 480 mm.
- B26. Prior to the commencement of operation of the project, the Applicant must prepare an Evaporation Pond Management Plan to the satisfaction of the Planning Secretary. The Evaporation Pond Management Plan must form part of the OEMP required by condition C5. The Evaporation Pond Management Plan must:
- be prepared by a suitably qualified and experienced engineer;
  - provide an updated water balance and risk mitigation measures to demonstrate that the design freeboard capacity of the evaporation ponds is restored as soon as practical after significant rainfall events and there is no cumulative storage above the freeboard;
  - identify contingency measures to prevent managed overflows; and
  - describe operational measures to be implemented for salt removal, maintaining liner integrity and maintaining the leak detection system performance.
- B27. Prior to the commencement of operation of the project, the Applicant must submit an Evaporation Ponds Commissioning Report to the Department and EPA that:
- demonstrates the evaporation ponds have been constructed in consultation with a suitably qualified and experienced engineer;
  - demonstrates the liner achieves the specified hydraulic conductivity described in condition B24;
  - addresses the increased risk to groundwater contamination due to high salinity wastewater potentially reacting with the liner; and
  - includes groundwater monitoring requirements to detect potential pond leakage.

## Water Management Plan

- B28. Prior to the commencement of operation of the project, the Applicant must prepare a Water Management Plan to the satisfaction of the Planning Secretary. The Water Management Plan must form part of the OEMP required by condition C5. The Water Management Plan must:
- be prepared by a suitably qualified and experienced person(s) whose appointment has been endorsed by the Planning Secretary;
  - be prepared in consultation with DPI – Water;
  - detail water use, metering, disposal and management on-site;
  - detail the number and location of piezometers on-site;
  - detail the water licence requirements for the development;
  - detail the management of wastewater streams on-site;
  - include an incident response plan with triggers for the National Water Quality Management Strategy (NWQMS) guidelines (ANZECC/ARMCANZ latest issue) should the lagoons be found to be leaking;
  - contain a Groundwater Management Plan, including:
    - the installation of groundwater monitoring bores around the evaporation basins and the existing rendering water treatment lagoon
    - baseline data on groundwater levels and quality;
    - a program to monitor groundwater levels and quality;
    - groundwater impact assessment criteria, including trigger levels for investigating any potentially adverse groundwater impacts; and
    - a protocol for the investigation and mitigation of impacts where the groundwater impact assessment criteria has been exceeded.
- B29. The Applicant must:
- not commence operation of the project until the Water Management Plan required by condition B28 is approved by the Planning Secretary; and
  - implement the most recent version of the Water Management Plan approved by the Planning Secretary for the duration of the development.

## Water Management

- B30. A Compliance Certificate under Section 306 of the *Water Management Act 2000* must be obtained from the Council (as the Local Water Supply Authority) prior to the issue of an Occupation Certificate. All contribution payments, or a formal Agreement with Council for payment of contributions, must be made prior to issue of any Construction Certificate. Council requires the following to be undertaken prior to the issue of a Compliance Certificate.
- B31. Any additional demand for water over the daily limit of 1.6 ML to the site will be subject to an agreement with Council.
- B32. Unless otherwise agreed with the Local Water Supply Authority, a single water service with appropriate metering and backflow prevention device shall be provided to service the development. The existing water service off Gunnedah Road may be utilised if it is adequate.
- B33. The Applicant must engage a hydraulic engineer to determine the fire fighting and other demands and determine an appropriate water service size for the development.
- B34. Works required for water servicing must be undertaken in accordance with Council's Engineering Design Minimum Standards for Subdivisions & Developments.
- B35. Work on live water mains is to be undertaken by Council at full cost to the Applicant.

## WASTE MANAGEMENT

### Sewage

- B36. The existing point of discharge to Council's sewerage system on Gunnedah Road is to be utilised for the discharge of sewage.
- B37. Sewage streams must remain separate from the WWTP/AWTP system at all times.
- B38. Works shall be undertaken in accordance with Council's Engineering Design Minimum Standards for Subdivisions & Developments.
- B39. Work on live sewer mains is to be undertaken by Council at full cost to the Applicant.

### Liquid Trade Waste

- B40. Should any details of trade waste treatment or discharge to Council's sewer differ from the existing Trade Waste Application or Agreement, a Trade Waste Application is to be submitted to Council.
- Note: A Trade Waste Agreement is in place for the existing development on the site*
- B41. The reverse osmosis concentrate is not to be discharged to Council's sewerage system (directly or indirectly).

### Pests, Vermin and Priority Weed Management

- B42. The Applicant must:
- implement suitable measures to manage pests, vermin and declared priority weeds on the site; and
  - inspect the site on a regular basis to ensure that these measures are working effectively, and that pests, vermin or priority weeds are not present on site in sufficient numbers to pose an environmental hazard, or cause the loss of amenity in the surrounding area.

**Note:** For the purposes of this condition, priority weeds are those species subject to an order declared under the Biosecurity Act 1915.

### Statutory Requirements

- B43. All waste materials removed from the site must only be directed to a waste management facility or premises lawfully permitted to accept the materials.
- B44. The Applicant must assess and classify all liquid and non-liquid wastes to be taken off site in accordance with the latest version of EPA's *Waste Classification Guidelines Part 1: Classifying Waste* (EPA, 2014) and dispose of all wastes to a facility that may lawfully accept the waste.
- B45. Waste generated outside the site must not be received at the site for storage, treatment, processing, reprocessing, or disposal.
- B46. The Applicant must retain all sampling and waste classification data for the life of the development in accordance with the requirements of EPA.

## TRAFFIC AND ACCESS

### Construction Traffic Management Plan

- B47. Prior to the commencement of construction, the Applicant must prepare a Construction Traffic Management Plan for the development to the satisfaction of the Planning Secretary. The plan must form part of the CEMP required by condition C2 and must:
- (a) be prepared by a suitably qualified and experienced person(s);
  - (b) be prepared in consultation with TfNSW;
  - (c) detail the measures that are to be implemented to ensure road safety and network efficiency during construction;
  - (d) detail heavy vehicle routes, access and parking arrangements;
  - (e) include a Driver Code of Conduct to:
    - (i) minimise the impacts of earthworks and construction on the local and regional road network;
    - (ii) minimise conflicts with other road users;
    - (iii) minimise road traffic noise; and
    - (iv) ensure truck drivers use specified routes;
  - (f) include a program to monitor the effectiveness of these measures; and
  - (g) if necessary, detail procedures for notifying residents and the community (including local schools), of any potential disruptions to routes.
- B48. The Applicant must:
- (a) not commence construction until the Construction Traffic Management Plan required by condition B47 is approved by the Planning Secretary; and
  - (b) implement the most recent version of the Construction Traffic Management Plan approved by the Planning Secretary for the duration of construction.

### Roadworks and Access

- B49. Prior to the commencement of operation of project, the Applicant must complete the construction of Workshop Lane to the satisfaction of Council. The Applicant must obtain approval for the works under section 138 of the *Roads Act 1993*.
- B50. Prior to the commencement of operation of project, the Applicant must submit design plans to the satisfaction of the relevant roads authority which demonstrate that the accesses to the site are designed to accommodate the turning path of a 26 m B-Double vehicle.

### Parking

- B51. The Applicant must provide sufficient parking facilities on-site, including for heavy vehicles and for site personnel, to ensure that traffic associated with the development does not utilise public and residential streets or public parking facilities.

### Operating Conditions

- B52. The Applicant must ensure:
- (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 version of *AS 2890.1:2004 Parking facilities Off-street car parking* (Standards Australia, 2004) and *AS 2890.2:2002 Parking facilities Off-street commercial vehicle facilities* (Standards Australia, 2002);
  - (b) the swept path of the longest vehicle entering and exiting the site, as well as manoeuvrability through the site, is in accordance with the relevant AUSTROADS guidelines;
  - (c) the development does not result in any vehicles queuing on the public road network;
  - (d) heavy vehicles and bins associated with the development are not parked 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 to be carried out on-site;
  - (g) all trucks entering or leaving the site with loads have their loads covered and do not track dirt onto the public road network; and
  - (h) the proposed turning areas in the car park are kept clear of any obstacles, including parked cars, at all times.

## HAZARDS AND RISK

B53. The Applicant must implement all control and safeguards from the *Preliminary Hazard Analysis*, comprising of the following documents, in a timely and appropriate manner:

- (a) SEPP 33 Preliminary Risk Screening & Hazard Analysis, Proposed Baiada Oakburn Poultry Processing Facility, 1154 Gunnedah Road, Westdale NSW 2340, SSD-9394 (document number 6.10.19171-R02, version -v1.2, dated 18 September 2020, prepared by SLR Consulting); and
- (b) Risk Assessment, 1154 Gunnedah Road, Westdale, NSW 2340 (document number 370593-LoteRA-BaiadaPoultryPlant-RevB, revision B, dated 17 September 2020, prepared by Lote Consulting).

### Pre-construction

B54. The Applicant must prepare a Fire Safety Study for the project construction, other than of preliminary works that are outside the scope of hazard studies and must not commence construction until study recommendations have been considered and, where appropriate, acted upon. The Applicant must submit the study to the Planning Secretary no later than one month prior to commencement of construction of the project, other than preliminary works, or within such further period as the Planning Secretary may agree. The study must cover the relevant aspects of the Department's *Hazardous Industry Planning Advisory Paper No. 2, 'Fire Safety Study Guidelines'* and the New South Wales Government's *Best Practice Guidelines for Contaminated Water Retention and Treatment Systems*, and be prepared in consultation with Fire and Rescue NSW.

### Pre-commissioning

B55. Prior to commissioning, the Applicant must develop and implement the plans and systems set in B53 (a) and (b). The Applicant must submit to the Planning Secretary documentation describing the plans and systems no later than two months prior to the commencement of commissioning of the project, or within such further period as the Secretary may agree.

### Emergency Plan

B56. Prior to commissioning, a comprehensive Emergency Plan and detailed emergency procedures for the development. The Emergency Plan must include consideration of the safety of all people outside of the development who may be at risk from the development. The plan must be prepared in accordance with the Department's *Hazardous Industry Planning Advisory Paper No. 1, 'Emergency Planning'*.

### Safety Management System

B57. Prior to commissioning, a document setting out a comprehensive Safety Management System, covering all on-site operations and associated transport activities involving hazardous materials. The document must clearly specify all safety related procedures, responsibilities and policies along with details of mechanisms for ensuring adherence to the procedures. Records must be kept on-site and must be available for inspection by Planning Secretary upon request. The Safety Management System must be developed in accordance with the Department's *Hazardous Industry Planning Advisory Paper No. 9, 'Safety Management'*.

### Hazard Audit

B58. Twelve months after the commencement of operations of the development and every five years thereafter or at such intervals as the Planning Secretary may agree, the Applicant must carry out a comprehensive Hazard Audit of the development and within one month of each audit submit a report to the satisfaction of the Planning Secretary. The audits must be carried out at the Applicant's expense by a qualified person or team, independent of the development and approved by the Planning Secretary prior to commencement of the audit. Hazard Audits must be carried out in accordance with the Department's *Hazardous Industry Planning Advisory Paper No. 5, 'Hazard Audit'*. The audit must include a review of the site Safety Management System and a review of all entries made in the incident register since the previous audit. The audit report must be accompanied by a program for the implementation of all recommendations made in the audit report. If the Applicant intends to defer the implementation of a recommendation, reasons must be documented.

### Further Requirements

B59. The Applicant must comply with all reasonable requirements of the Planning Secretary in respect of the implementation of any measures arising from the reports submitted in respect of conditions B53 to B58 inclusive, within such time as the Planning Secretary may agree

### Dangerous Goods

B60. The storage of dangerous goods within the development must not exceed the maximum storage quantities listed in Table 3.

**Table 3:** Maximum storage quantities of dangerous goods and combustible materials

Description	Dangerous Goods Class	Packing Group	Maximum Storage Quantity
Liquified natural gas (LNG)	2.1	n/a	240,000 L
Liquified petroleum gas (LPG)	2.1	n/a	480 kg
Nitrogen	2.2	n/a	10,000 L
Liquified oxygen gas (LOX)	2.2 (5.1)	n/a	10,000 L
Carbon dioxide	2.2	n/a	10,000 L
Anhydrous ammonia refrigerant	2.3	n/a	7 tonnes
Ferric sulphate	8	III	15,000 L
Hypochlorite solution	8	III	13,800 L
Sodium hydroxide solution	8	III	5,400 L
Sulfuric acid (35%)	8	II	4,000 L

B61. The Applicant must store and handle all chemicals, fuels and oils in accordance with:

- (a) the requirements of all relevant Australian Standards, including and not limited to *Australian Standards 1894 The storage and handling of non-flammable cryogenic and refrigerated liquids*; and
- (b) the NSW EPA's *Storing and Handling of Liquids: Environmental Protection – Participants Handbook* if the chemicals are liquids.

In the event of an inconsistency between the requirements in (a) and (b), the most stringent requirement shall prevail to the extent of the inconsistency.

#### AIRPORT

B62. The external materials and finishes of the buildings must be non-reflective to the satisfaction of the Planning Secretary, to avoid distraction to air crews.

#### Wildlife monitoring program

B63. Within six months of the date of determination of this development consent, the Applicant must establish a site wide bird life monitoring program, in consultation with Civil Aviation Safety Authority (CASA). The monitoring program is to include:

- (a) details of bird life that may trigger the need for mitigation measures to manage potential interactions with Tamworth Regional Airport. These triggers and measures should be established in consultation with CASA and the Tamworth Regional Airport;
- (b) be prepared by a suitably qualified consultant;
- (c) identify areas of potential bird attraction;
- (d) details of mitigation measures such as bird netting and other deterrents; and
- (e) procedures for the implementation of any mitigation measures.

A copy of the monitoring program is to be provided to the Planning Secretary.

#### ANIMAL WELFARE AND BIOSECURITY

##### Animal Welfare

B64. The Applicant must ensure the development complies with the relevant requirements for the welfare of livestock, particularly health, housing, watering, feeding, handling and transport, including but not limited to those contained within the latest version of:

- (a) *National Animal Welfare Standards for Livestock Processing Establishments 2nd edition* (Meat and Livestock Australia, 2009);
- (b) *Australian Animal Welfare Standards and Guidelines – Land Transport of Livestock* (Animal Health Australia, 2012);
- (c) *National Animal Welfare Standards for the Chicken Meat Industry* (Barnett et al. 2008)
- (d) *NSW DPI Best Practice Management for Meat Chicken Production in NSW – Manual 2* (2012);
- (e) *Model Code of Practice for the Welfare of Animals – Domestic Poultry, 4th Edition* (PISC, 2002);
- (f) any other relevant document that supersedes the above; and
- (g) Management and Mitigation Measures described in Appendix 4 of this consent.

## **Emergency Disposal and Biosecurity**

- B65. Prior to the commencement of operation of the project, the Applicant must prepare an Emergency Disposal and Bio-security Protocol, detailing the procedures for a biosecurity emergency including a mass mortality event, to the satisfaction of the Planning Secretary. The protocol must form part of the OEMP required by condition C5 and must:
- (a) be prepared in consultation with Council, EPA and the Department;
  - (b) be consistent with the relevant AUSTVETPLAN manuals and supporting documents;
  - (c) describe the notification procedures;
  - (d) include a Hazard Analysis and Critical Control Points Plan;
  - (e) detail all transport routes to be used in a mass mortality event;
  - (f) detail any requirements to stage the mass disposal of dead livestock;
  - (g) detail the burial location(s) for the disposal of dead livestock, including plans and drawings;
  - (h) detail the measures to maintain quarantine control;
  - (i) detail measures to prevent ground water contamination; and
  - (j) detail the mass mortality disposal procedures and options.
- B66. The Applicant must:
- (a) not commence operation of the project until the Emergency Disposal and Biosecurity Protocol required by condition B65 is approved by the Planning Secretary; and
  - (b) implement the most recent version of the Emergency Disposal and Biosecurity Protocol approved by the Planning Secretary for the duration of the development.

## **ABORIGINAL HERITAGE**

### **Unexpected Finds Protocol**

- B67. If any item or object of Aboriginal heritage significance is identified on site:
- (a) all work in the immediate vicinity of the suspected Aboriginal item or object must cease immediately;
  - (b) a 10 m wide buffer area around the suspected item or object must be cordoned off; and
  - (c) Heritage NSW must be contacted immediately.
- B68. Work in the immediate vicinity of the Aboriginal item or object may only recommence in accordance with the provisions of Part 6 of the *National Parks and Wildlife Act 1974*.

## **BIODIVERSITY**

- B69. Prior to any clearing or Construction works the Applicant must purchase and retire 5 ecosystem credits of PCT 599 to offset the removal of native vegetation at the site. The ecosystem credits must be retired in accordance with the requirements of the EES Group's Biodiversity Offsets Scheme and the Biodiversity Conservation Act 2016.
- B70. The requirement to retire ecosystem credits (see condition B69) may be satisfied by payment to the Biodiversity Conservation Fund of an amount equivalent to the number and classes of 5 ecosystem credits, as calculated by the EES Group's Biodiversity Offsets Payment Calculator.
- B71. The Applicant must provide the Planning Secretary with evidence that:
- (a) the retirement of ecosystem credits has been completed (see condition B69); or
  - (b) a payment has been made to the Biodiversity Conservation Fund (see condition B70),
- prior to undertaking any clearing of native vegetation, or activities that have the potential to impact upon this native vegetation.

## **VISUAL AMENITY**

### **Landscaping**

- B72. Prior to the commencement of operation of the project, the Applicant must prepare a Landscape Management Plan to manage the revegetation and landscaping works on-site, to the satisfaction of the Planning Secretary. The plan must form part of the OEMP in accordance with conditions C5. The plan must:
- (a) detail the species to be planted on-site;
  - (b) incorporate plant species that form part of PCT 599 and be stock germinated from within the same IBRA region;
  - (c) describe the monitoring and maintenance measures to manage revegetation and landscaping works; and
  - (d) be consistent with the Applicant's Management and Mitigation Measures at Appendix 3.

B73. The Applicant must:

- (a) not commence operation of the project until the Landscape Management Plan is approved by the Planning Secretary.
- (b) must implement the most recent version of the Landscape Management Plan approved by the Planning Secretary; and
- (c) maintain the landscaping and vegetation on the site in accordance with the approved Landscape Management Plan required by condition B72 for the life of the development.

#### **Lighting**

B74. The Applicant must ensure the lighting associated with the development:

- (a) complies with the latest version of AS 4282-1997 - *Control of the obtrusive effects of outdoor lighting* (Standards Australia, 1997); and
- (b) is mounted, screened and directed in such a manner that it does not create a nuisance to surrounding properties or the public road network.

#### **Signage and Fencing**

B75. The Applicant must not install any signage, advertising or fencing, except for signage and advertising that is exempt development, without the written approval of the Planning Secretary. In seeking this approval, the Applicant must:

- (a) submit detailed plans of the proposed signage, advertising or fencing, which have been prepared in consultation with Council; and
- (b) demonstrate that the proposed signage, advertising or fencing is consistent with the relevant requirements in the DCP.

#### **COMMUNITY ENGAGEMENT**

B76. The Applicant must consult with the community regularly throughout the development, including consultation with the nearby sensitive receivers identified on Figure 2: Appendix 2, relevant regulatory authorities, Registered Aboriginal Parties and other interested stakeholders.

## PART C ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING

### ENVIRONMENTAL MANAGEMENT

#### Management Plan Requirements

- C1. Management plans required under this consent must be prepared in accordance with relevant guidelines, and include:
- (a) detailed baseline data;
  - (b) details of:
    - (i) the relevant statutory requirements (including any relevant approval, licence or lease conditions);
    - (ii) any relevant limits or performance measures and 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 to be implemented to comply with the relevant statutory requirements, limits, or performance measures and criteria;
  - (d) a program to monitor and report on the:
    - (i) impacts and environmental performance of the development;
    - (ii) effectiveness of the management measures set out pursuant to paragraph (c) above;
  - (e) a contingency plan to manage any unpredicted impacts and their consequences and to ensure that ongoing impacts reduce to levels below relevant impact assessment criteria as quickly as possible;
  - (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) incident and any non-compliance (specifically including any exceedance of the impact assessment criteria and performance criteria);
    - (ii) complaint;
    - (iii) failure to comply with statutory requirements; and
  - (h) a protocol for periodic review of the plan.

**Note:** *The Planning Secretary may waive some of these requirements if they are unnecessary or unwarranted for particular management plans*

#### CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN

- C2. The Applicant must prepare a Construction Environmental Management Plan (CEMP) in accordance with the requirements of condition C1 and to the satisfaction of the Planning Secretary.
- C3. As part of the CEMP required under condition C2 of this consent, the Applicant must include the following:
- (a) Erosion and Sediment Control Plan;
  - (b) Construction Noise Management Plan (see condition B4);
  - (c) Construction Traffic Management Plan (see condition B47); and
  - (d) Community Consultation and Complaints Handling.
- C4. The Applicant must:
- (a) not commence construction of the development until the CEMP is approved by the Planning Secretary; and
  - (b) carry out the construction of the development in accordance with the CEMP approved by the Planning Secretary and as revised and approved by the Planning Secretary from time to time.

#### OPERATIONAL ENVIRONMENTAL MANAGEMENT PLAN

- C5. Within 9 months of the date of this consent, the Applicant must prepare an Operational Environmental Management Plan (OEMP) for the existing development in accordance with the requirements of condition C1 and to the satisfaction of the Planning Secretary.
- C6. As part of the OEMP required under condition C5 of this consent, the Applicant must include the following:
- (a) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the development;
  - (b) 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
- (c) include the following environmental management plans:
- (i) Evaporation Pond Management Plan (see condition B26);
  - (ii) Water Management Plan (see condition B28);
  - (iii) Emergency disposal and Biosecurity protocol (see condition B65); and
  - (iv) Landscape Management Plan (see condition B72).
- C7. The Applicant must operate the existing development in accordance with the OEMP approved by the Planning Secretary, unless otherwise agreed by the Planning Secretary.
- C8. Prior to commencement of operation of the project, the Applicant must update the OEMP required under condition C5 to incorporate the project and its management to the satisfaction of the Planning Secretary. The updated plan must be prepared in accordance with the requirements of condition C5, and must incorporate the following:
- (a) procedures, roles and responsibilities of key personnel involved in the environmental management of the Development;
  - (b) community consultation requirements for the Development; and
  - (c) updates to the environmental management sub-plans listed under condition C6.
- C9. The Applicant must not commence operation of the project until the updated OEMP as required by condition C6 is approved by the Secretary.
- C10. The Applicant must implement the most recent version of the OEMP approved by the Planning Secretary for the duration of the Development's operation.

#### **REVISION OF STRATEGIES, PLANS AND PROGRAMS**

- C11. Within three months of:
- (a) the submission of an incident report under condition C14;
  - (b) the submission of an Independent Environmental Audit under condition C12;
  - (c) the approval of any modification of the conditions of this consent; or
  - (d) the issue of a direction of the Planning Secretary under condition A2(b) which requires a review,
- C12. the strategies, plans and programs required under this consent must be reviewed, and the Department must be notified in writing that a review is being carried out.
- C13. If necessary to either improve the environmental performance of the development, cater for a modification or comply with a direction, the strategies, plans and programs required under this consent must be revised, to the satisfaction of the Planning Secretary. Where revisions are required, the revised document must be submitted to the Planning Secretary for approval within six weeks of the review.

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

#### **REPORTING AND AUDITING**

##### **Incident Notification, Reporting and Response**

- C14. The Planning Secretary must be notified in writing via the Major Projects website immediately after the Applicant becomes aware of an incident. The notification must identify the development (including the development application number and the name of the development if it has one) and set out the location and nature of the incident. Subsequent notification requirements must be given, and reports submitted in accordance with the requirements set out in Appendix 5.

##### **Non-Compliance Notification**

- C15. The Planning Secretary must be notified in writing to the Major Projects website within seven days after the Applicant becomes aware of any non-compliance.
- C16. A non-compliance notification must identify the development and the application number for it, set out the condition of consent that the development is non-compliant with, the way in which it does not comply and the reasons for the non-compliance (if known) and what actions have been, or will be, undertaken to address the non-compliance.
- C17. A non-compliance which has been notified as an incident does not need to also be notified as a non-compliance.

##### **Compliance Reporting**

- C18. Within twelve months of the date of this consent, and in the same month each subsequent year (or such other timing as agreed by the Planning Secretary), the Applicant must submit a Compliance Report to the Planning Secretary reviewing the environmental performance of the development to the satisfaction of the Planning Secretary.

Secretary. Compliance Reports must be prepared in accordance with the Compliance Reporting Post Approval Requirements (Department 2020) and must also:

- (a) identify any trends in the monitoring data over the life of the development;
- (b) identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies; and
- (c) describe what measures will be implemented over the next year to improve the environmental performance of the development

C19. The Applicant must make each Compliance Report publicly available no later than 60 days after submitting it to the Planning Secretary and notify the Planning Secretary in writing at least 7 days before this is done.

#### Independent Audit

C20. Within twelve months of the date of this consent, and every three years after, unless the Planning Secretary directs otherwise, the Applicant must commission and pay the full cost of an Independent Environmental Audit (Audit) of the development. Audits must:

- (a) be prepared in accordance with the Independent Audit Post Approval Requirements (Department 2020)
- (b) be led and conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Planning Secretary; and
- (c) be submitted to the satisfaction of the Planning Secretary within three months of commissioning the Audit (or within another timeframe agreed by the Planning Secretary).

C21. In accordance with the specific requirements in the Independent Audit Post Approval Requirements (Department 2020), the Applicant must:

- (a) review and respond to each Independent Audit Report prepared under condition C20 **Error! Reference source not found.** of this consent;
- (b) submit the response to the Planning Secretary and any other NSW agency that requests it, together with a timetable for the implementation of the recommendations;
- (c) implement the recommendations to the satisfaction of the Planning Secretary; and
- (d) make each Independent Audit Report and response to it publicly available no later than 60 days after submission to the Planning Secretary and notify the Planning Secretary in writing at least 7 days before this is done.

#### Monitoring and Environmental Audits

C22. Any condition of this consent that requires the carrying out of monitoring or an environmental audit, whether directly or by way of a plan, strategy or program, is taken to be a condition requiring monitoring or an environmental audit under Division 9.4 of Part 9 of the EP&A Act. This includes conditions in respect of incident notification, reporting and response, non-compliance notification, compliance reporting and independent auditing.

**Note:** *For the purposes of this condition, as set out in the EP&A Act, "monitoring" is monitoring of the development to provide data on compliance with the consent or on the environmental impact of the development, and an "environmental audit" is a periodic or particular documented evaluation of the development to provide information on compliance with the consent or the environmental management or impact of the development.*

#### ACCESS TO INFORMATION

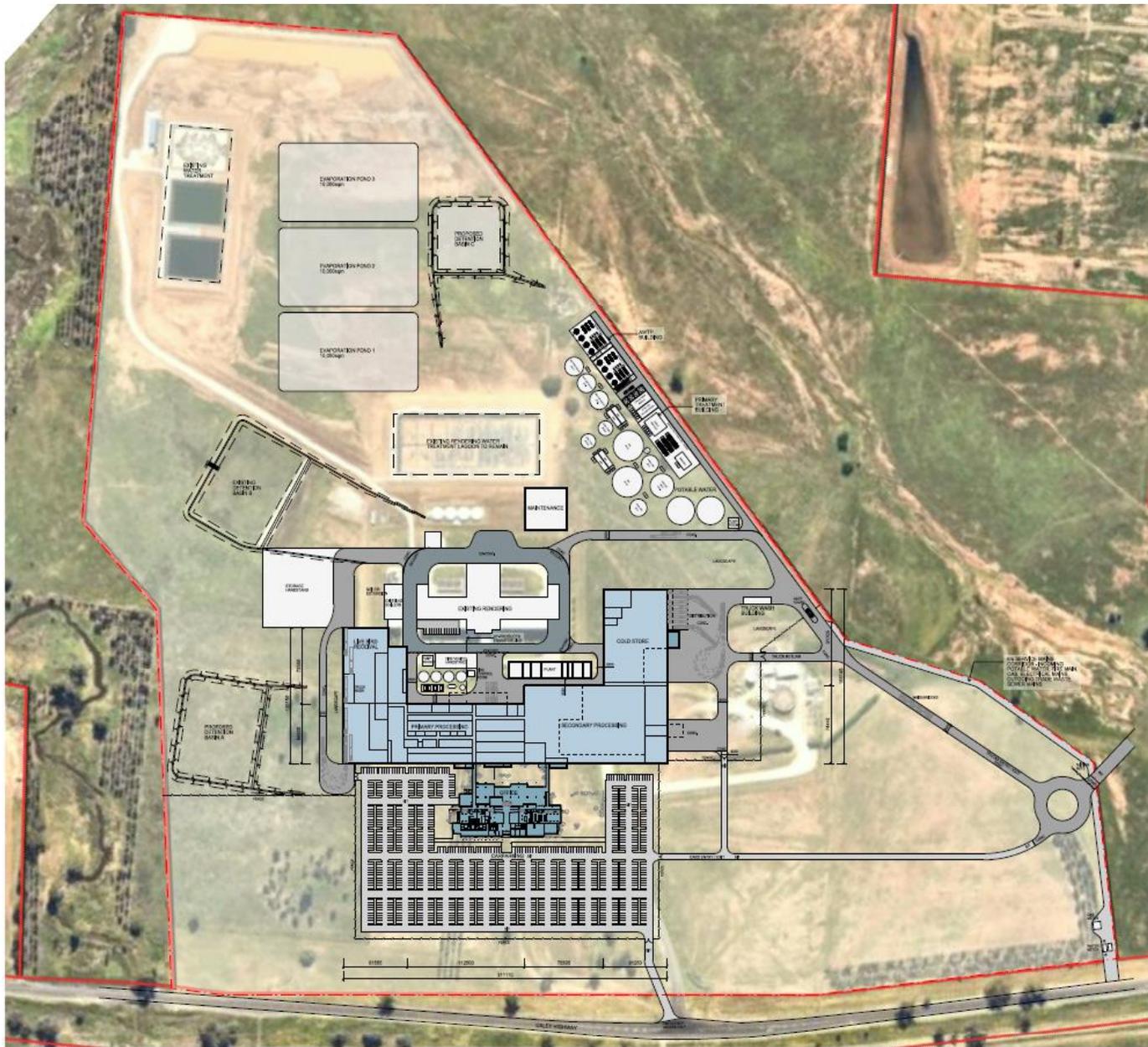
C23. Within six months of the date of this consent and for the life of the development, the Applicant must:

- (a) make the following information and documents (as they are obtained or approved) publicly available on its website:
  - (i) the documents referred to in condition A2 of this consent;
  - (ii) all current statutory approvals for the development;
  - (iii) all approved strategies, plans and programs required under the conditions of this consent;
  - (iv) the proposed staging plans for the development if the construction, operation or decommissioning of the development is to be staged;
  - (v) regular reporting on the environmental performance of the development in accordance with the reporting requirements in any plans or programs approved under the conditions of this consent;
  - (vi) 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;
  - (vii) a summary of the current stage and progress of the development;
  - (viii) contact details to enquire about the development or to make a complaint;
  - (ix) a complaints register, updated monthly;
  - (x) the Compliance Report of the development;

- (xi) audit reports prepared as part of any Independent Audit of the development and the Applicant's response to the recommendations in any audit report;
  - (xii) any other matter required by the Planning Secretary; and
- (b) keep such information up to date, to the satisfaction of the Planning Secretary.

**APPENDIX 1 DEVELOPMENT LAYOUT PLANS**

<b>Job No.</b>	<b>Drawing No.</b>	<b>Rev.</b>	<b>Date</b>	<b>Title</b>
19106	SK10	H	16/10/2020	Site Plan
19106	SK16	B	16/10/2020	Staging Plan
19106	SK11	D	16/10/2020	Ground Floor Plan Processing a Facility
19106	SK12		23/06/2020	Mezzanine Plan Processing Facility
19106	SK14	B	16/06/2020	Sections
19106	SK15	B	15/06/2020	Elevations



**Figure 1: Site Plan**

APPENDIX 2 SENSITIVE RECEIVERS



Figure 2: Sensitive receivers

**APPENDIX 3    EXISTING CONSENTS TO BE SURRENDERED**

<b>Reference</b>	<b>Date of determination</b>	<b>Details of approval</b>
DA53/97	9 February 1998	Poultry Processing Complex to be developed in four stages (as modified)
DA0775/2008	10 September 2009	Wastewater treatment plant and extensions to existing industrial shed.
DA0080/2010	4 July 2009	Construction of new equipment/storage shed
DA0571/2010	12 August 2010	Additions to Rendering Plant (Storage tanks, maintenance shed and boiler room)
DA2016/0551	29 July 2016	Alterations and additions to the existing Oakburn Wastewater Treatment Plant
DA2017/0278	23 January 2017	Entrance Signage
DA2017/0282	13 February 2017	Replacement of biofilter and additional air ducting system to existing wastewater treatment plant
DA2018/0443	20 July 2018	Wastewater Treatment Plant

**APPENDIX 4 APPLICANT'S MANAGEMENT AND MITIGATION MEASURES**

IDENTIFIED IMPACT	MITIGATION MEASURES AND MANAGEMENT MEASURES										
<p align="center"><b>TRAFFIC</b></p>	<ul style="list-style-type: none"> <li>• Staff and processing plant traffic are to be directed to use the proposed driveway connecting to Workshop Lane.</li> <li>• Direct access to the Oxley Highway is to be maintained for visitors to the site and emergency access only.</li> <li>• 820 car parking spaces are to be provided on site with a minimum of 8 spaces be designated for people with a disability.</li> <li>• Car park design and line-marking is to be undertaken in accordance the Australian Standard 2890.1 (2004).</li> <li>• Due to the length of aisles, speed humps be provided in in accordance with AS2890.1 to provide positive speed control.</li> <li>• Detailed design of the car park to incorporate minor amendments to the kerb line near the northern end of the staff car park to ensure fire truck access is available through the car park if required.</li> <li>• The Internal T-intersection between the staff car park access road and the weighbridge access road be designed as a standard priority T-intersection to reflect the dominant traffic flow.</li> </ul>										
<p align="center"><b>AIR QUALITY</b></p>	<ul style="list-style-type: none"> <li>• Filling of the SBR is to be programmed to take place outside of daylight hours where practical.</li> <li>• Implement the Odour Management Plan for the site to prevent or minimise the potential for odour generation through a hierarchy of controls, in the form of, but not limited to, engineered, administration and/or management practices.</li> </ul>										
<p align="center"><b>NOISE</b></p>	<p><b>Noise Mound/Barrier Adjacent to Live Bird Area</b></p> <ul style="list-style-type: none"> <li>• An acoustic mound or barrier are to be erected at the following locations:</li> </ul> <table border="1"> <thead> <tr> <th>Location</th> <th>Height above FGL (mm)</th> </tr> </thead> <tbody> <tr> <td>West side Live Bird Area and Hardstand</td> <td>3000</td> </tr> <tr> <td>North side Rendering Building loop road</td> <td>2100</td> </tr> <tr> <td>North side Cooling towers &amp; associated plant</td> <td>2100</td> </tr> <tr> <td>North side Cold Store distribution dock</td> <td>2400 (above truck FGL)</td> </tr> </tbody> </table> <p><b>General Noise Control Recommendations</b></p> <ul style="list-style-type: none"> <li>• All access roads should be kept in good condition, i.e. no potholes, etc.</li> <li>• Trucks and other machines should not be left idling for extended periods unnecessarily. Machines found to produce excessive noise compared to industry best practice should be removed from the site or stood down until repairs or modifications can be made.</li> <li>• A regular maintenance schedule should be adopted for all mobile and fixed plant items. Items found producing high noise should be stood down until repairs are completed.</li> <li>• A noise monitoring program, during commissioning, or in the early life of the site is recommended. This program will verify our predictions and in the unlikely event that complaints may arise, enable noise control strategies to be implemented, where required.</li> </ul>	Location	Height above FGL (mm)	West side Live Bird Area and Hardstand	3000	North side Rendering Building loop road	2100	North side Cooling towers & associated plant	2100	North side Cold Store distribution dock	2400 (above truck FGL)
Location	Height above FGL (mm)										
West side Live Bird Area and Hardstand	3000										
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North side Cooling towers & associated plant	2100										
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IDENTIFIED IMPACT	MITIGATION MEASURES AND MANAGEMENT MEASURES
	<p><b>Noise Monitoring Program</b></p> <ul style="list-style-type: none"> <li>Noise monitoring should be carried out at the commencement of each process/activity that has the potential to produce excessive noise.</li> </ul> <p><b>Acoustic Barriers/Screening</b></p> <ul style="list-style-type: none"> <li>Place acoustic enclosures or screens directly adjacent to stationary noise sources that are likely to result in unacceptable off-site noise impacts (such as compressors, generators, drill rigs, etc).</li> </ul> <p><b>Consultation/Complaints Handling Procedures</b></p> <ul style="list-style-type: none"> <li>The construction contractor should analyse proposed noise control strategies in consultation with the Acoustic Consultant as part of project pre-planning.</li> </ul> <p><b>Equipment Selection</b></p> <ul style="list-style-type: none"> <li>All combustion engine plant, such as generators, compressors and welders, should be carefully checked to ensure they produce minimal noise, with particular attention to residential grade exhaust silencers and shielding around motors, where necessary.</li> </ul> <p><b>Risk Assessment</b></p> <ul style="list-style-type: none"> <li>A risk assessment should be undertaken for all noisy activities and at the change of each process.</li> </ul>
<p><b>ECOLOGICAL</b></p>	<p>Should any works need to be conducted within the Peel River Tributary, in order to minimise any impact to amphibians, works are to be:</p> <ul style="list-style-type: none"> <li>Undertaken during the winter months when movement of amphibian species is not occurring; or</li> <li>Undertaken during periods of no ephemeral pooling of water in the tributary; or</li> <li>Undertaken after a pre-clearance inspection by a qualified ecologist determines no amphibian presence at that time.</li> </ul> <p><b>Preclearance Surveys:</b> In order to avoid impacts to fauna species during construction, pre-clearance surveys will be conducted in all areas that are required to be cleared.</p> <ul style="list-style-type: none"> <li>Pre-clearing surveys will be undertaken ahead of clearing, to limit fauna injury and mortality and to identify habitat features to be relocated. Pre-clearance surveys will be conducted by suitably qualified ecologists and all fauna found during these surveys will be encouraged to move on or relocated by the ecologists in areas of similar habitat nearby that will not be impacted.</li> </ul> <p><b>Delineation of Clearing Areas:</b></p> <ul style="list-style-type: none"> <li>Areas that require clearance will be flagged and clearly delineated by temporary fencing to ensure that no areas intended for conservation will be inadvertently cleared during the construction process.</li> </ul> <p><b>Weed Management:</b></p> <ul style="list-style-type: none"> <li>Undertake, appropriate weed control activities in accordance with all state, regional and local weed management plans.</li> </ul> <p><b>Pre-clearance Surveys (Structures):</b></p> <ul style="list-style-type: none"> <li>In order to mitigate or avoid impacts to fauna species, (In particular the Eastern Bentwing-bat) during demolition of structures, pre-clearance checks will be conducted of all human made structures proposed to be demolished prior to construction.</li> <li>Pre-clearance surveys will be conducted by suitably qualified ecologists and all fauna found during these surveys will be encouraged to move on</li> </ul>

IDENTIFIED IMPACT	MITIGATION MEASURES AND MANAGEMENT MEASURES
	<p>or relocated by the ecologists in areas of similar habitat nearby that will not be impacted.</p> <p><b>Native vegetation:</b></p> <ul style="list-style-type: none"> <li>• Provide an offset of a total of 5 ecosystem credits for PCT 599.</li> </ul>
<b>CULTURAL HERITAGE</b>	<p><b>Aboriginal Objects Find Procedure:</b> If suspected Aboriginal material has been uncovered as a result of development activities within the Project Area:</p> <ul style="list-style-type: none"> <li>• work in the surrounding area is to stop immediately;</li> <li>• a temporary fence is to be erected around the site, with a buffer zone of at least 10 meters around the known edge of the site;</li> <li>• an appropriately qualified archaeological consultant is to be engaged to identify the material; and</li> <li>• If the material is found to be of Aboriginal origin, the Aboriginal community is to be consulted in a manner as outlined in the OEH guidelines: <i>Aboriginal Cultural Heritage Consultation Requirements for Proponents (2010)</i>.</li> </ul> <p><b>Aboriginal Human Remains:</b> In the unlikely event that Remains are found, all works should halt. Once the site is cordoned off the nearest police station should be contacted in conjunction with the Tamworth LALC and the Heritage NSW – Aboriginal Cultural Heritage Office. If no investigation is sought and the remains are of Aboriginal origin then the Aboriginal community and Heritage NSW – Aboriginal Cultural Heritage Office should be consulted as to how the remains are to be dealt with. Work may resume once all parties are in agreement.</p> <p><b>Notifying the Heritage NSW – Aboriginal Cultural Heritage:</b> If Aboriginal cultural materials are uncovered as a result of development activities within the Project Area, they are to be registered as Sites on the AHIMS, managed by the Heritage NSW – Aboriginal Cultural Heritage.</p>
<b>STORMWATER</b>	<ul style="list-style-type: none"> <li>• Provide all stormwater management treatment actions in accordance with the project Stormwater Management Plan prepared by MPN Consulting Engineers (dated 18 June 2020).</li> <li>• During prior to commencement of construction, prepare and implement a detailed Erosion and Sediment Control Plan to ensure compliance with the <i>Protection of the Environment Operations Act 1997</i>.</li> </ul>
<b>WASTE</b>	<ul style="list-style-type: none"> <li>• Commercial arrangements are to be made with an appropriately licenced facility for the disposal of each of the different types of waste produced at the site prior to the issue of an Occupation Certificate.</li> <li>• Prepare and implement a Site Based Waste Management Plan consistent with Baiada’s Australian Packaging Covenant Action Plan.</li> </ul>
<b>CHEMICAL USE</b>	<ul style="list-style-type: none"> <li>• Chemical handling and storage procedures will be undertaken in accordance with the Applicable Material Safety Data Sheets (MSDS) and all relevant Australian Standards.</li> </ul> <p><b>LNG Storage:</b></p> <ul style="list-style-type: none"> <li>• The hoses for the transfer of LNG shall be inspected monthly and pressure tested annually in accordance with the Australian Dangerous Goods Code.</li> <li>• All equipment shall be inspected and tested in accordance with the Australian Goods Code.</li> <li>• The over pressurisation shut off for the supply will be set at not more than 200 kPa.</li> </ul>

IDENTIFIED IMPACT	MITIGATION MEASURES AND MANAGEMENT MEASURES
<p><b>CONSTRUCTION MANAGEMENT</b></p>	<p>The Construction Management Plan could address potential social impacts, including reducing stress and inconvenience to neighbouring businesses and residents, by</p> <ul style="list-style-type: none"> <li>• Identifying construction vehicle traffic routes that minimise impacts to neighbours, as far as possible;</li> <li>• Providing arrangements for parking of worker and construction vehicles on-site;</li> <li>• Storing all equipment on site;</li> <li>• Identifying management practices to minimise and manage interruptions to traffic flows;</li> <li>• Establishing practices to maintain traffic and pedestrian safety to local residents;</li> <li>• Minimising disruption proposed road closures, temporary traffic routes, loss of pedestrian or cyclist access or reversing manoeuvres;</li> <li>• Providing queueing space onsite for the standing of vehicles;</li> <li>• Providing clear signage to direct construction vehicles; and</li> <li>• Provide signage on site that provides a contact number for residents to direct enquiries and report incidents (e.g. theft or break and enter to the site while unattended), should they occur</li> </ul>
<p><b>ENVIRONMENTAL MANAGEMENT</b></p>	<ul style="list-style-type: none"> <li>• Prepare an implemented a detailed Environmental Management System for the Oakburn Processing Plant for certification in accordance with the AS/NZS/ISO 14001: 2015 Standard.</li> </ul>

## APPENDIX 5 INCIDENT NOTIFICATION AND REPORTING REQUIREMENTS

### WRITTEN INCIDENT NOTIFICATION REQUIREMENTS

1. A written incident notification addressing the requirements set out below must be submitted to the Planning Secretary via the Major Projects website within seven days after the Applicant becomes aware of an incident. Notification is required to be given under this condition even if the Applicant fails to give the notification required under condition C14 or, having given such notification, subsequently forms the view that an incident has not occurred.
2. Written notification of an incident must:
  - a. identify the development and application number;
  - b. provide details of the incident (date, time, location, a brief description of what occurred and why it is classified as an incident);
  - c. identify how the incident was detected;
  - d. identify when the applicant became aware of the incident;
  - e. identify any actual or potential non-compliance with conditions of consent;
  - f. describe what immediate steps were taken in relation to the incident;
  - g. identify further action(s) that will be taken in relation to the incident; and
  - h. identify a project contact for further communication regarding the incident.
3. Within 30 days of the date on which the incident occurred or as otherwise agreed to by the Planning Secretary, the Applicant must provide the Planning Secretary and any relevant public authorities (as determined by the Planning Secretary) with a detailed report on the incident addressing all requirements below, and such further reports as may be requested.
4. The Incident Report must include:
  - a. a summary of the incident;
  - b. outcomes of an incident investigation, including identification of the cause of the incident;
  - c. details of the corrective and preventative actions that have been, or will be, implemented to address the incident and prevent recurrence; and
  - d. details of any communication with other stakeholders regarding the incident.

# APPENDIX D

**EPL 7566**

# Environment Protection Licence

Licence - 7566

## Licence Details

Number:	7566
Anniversary Date:	19-March

## Licensee

BAIADA POULTRY PTY LIMITED

PO BOX 21

PENDLE HILL NSW 2145

## Premises

OAKBURN PROTEIN RECOVERY PLANT

1154 OXLEY HIGHWAY

TAMWORTH NSW 2340

## Scheduled Activity

Chemical storage

Livestock processing activities

## Fee Based Activity

## Scale

General chemicals storage	0-5000 kL storage capacity
Rendering or fat extraction	> 4000 T annual production capacity

## Region

Regional West - Armidale

Ground Floor, NSW Govt Offices, 85 Faulkner Street

ARMIDALE NSW 2350

Phone: (02) 6773 7000

Fax: (02) 6772 2336

PO Box 494

ARMIDALE NSW 2350



# Environment Protection Licence

Licence - 7566

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# Environment Protection Licence

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Licence - 7566

## Information about this licence

### Dictionary

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

### Responsibilities of licensee

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

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

### Variation of licence conditions

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

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

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

### Duration of licence

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

### Licence review

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

### Fees and annual return to be sent to the EPA

For each licence fee period you must pay:

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



# Environment Protection Licence

Licence - 7566

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:

<b>BAIADA POULTRY PTY LIMITED</b>
<b>PO BOX 21</b>
<b>PENDLE HILL NSW 2145</b>

subject to the conditions which follow.

# Environment Protection Licence

Licence - 7566

## 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
Chemical storage	General chemicals storage	0 - 5000 kL storage capacity
Livestock processing activities	Rendering or fat extraction	> 4000 T annual production capacity

### A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
OAKBURN PROTEIN RECOVERY PLANT
1154 OXLEY HIGHWAY
TAMWORTH
NSW 2340
LOT 100 DP 1097471

### A3 Information supplied to the EPA

A3.1 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:

- 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
- the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.

## 2 Discharges to Air and Water and Applications to Land

# Environment Protection Licence

Licence - 7566

## P1 Location of monitoring/discharge points and areas

P1.1 The following points referred to in the table below are identified in this licence for the purposes of monitoring and/or the setting of limits for the emission of pollutants to the air from the point.

<i>Air</i>			
EPA identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
1		Discharge to air	Biofilter marked as 'BIOFILTER 1' on the map titled 'SITE PLAN' (drawing number 01-002) received by the EPA on 8/4/15 (TRIM: DOC15/113473).
2		Discharge to air	Biofilter marked as 'BIOFILTER 2' on the map titled 'SITE PLAN' (drawing number 01-002) received by the EPA on 8/4/15 (TRIM: DOC15/113473).
3		Discharge to air	Boiler stack represented by the northernmost point within the area marked as 'NEW BOILER HOUSE' on the map titled 'SITE PLAN' (drawing number 01-002) received by the EPA on 8/4/15 (TRIM: DOC15/113473).
4		Discharge to air	Boiler stack represented by the middle point within the area marked as 'NEW BOILER HOUSE' on the map titled 'SITE PLAN' (drawing number 01-002) received by the EPA on 8/4/15 (TRIM: DOC15/113473).
5		Discharge to air	Boiler stack represented by the southernmost point within the area marked as 'NEW BOILER HOUSE' on the map titled 'SITE PLAN' (drawing number 01-002) received by the EPA on 8/4/15 (TRIM: DOC15/113473).
6		Discharge to air	Biofilter marked as 'Biofilter (proposed)' on the map titled 'Building & Equipment General Layout' received by the EPA on 23/6/2020 (CM9:DOC20/494250)
7		Discharge to air	Biogas vent marked as 'Biogas vent' on the aerial view received by the EPA on 23/6/2020 (CM9:DOC20/4494857)

P1.2 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.

## 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.

# Environment Protection Licence

Licence - 7566

## L2 Noise limits

L2.1 Noise from the premises must not exceed:

- a) an LA10 (15 minute) noise emission criterion of 5 dB(A) above background level LA (90) dB(A) (7am to 6pm ) Monday to Friday and 7am to 1pm Saturday ; and
- b) an LA10 (15 minute) noise emission criterion of 5 dB(A) above background level LA (90) dB(A) during the evening (6pm to 10pm) Monday to Friday; and
- c) at all other times, an LA10 (15 minutes) noise emission criterion of 5 dB(A) above background level LA (90) dB(A),  
except as expressly provided by this licence.

L2.2 Noise from the premises is to be measured or computed at within one metre of the boundary of any residential premises or any other noise sensitive area to determine compliance with condition L2.1. 5dB(A) must be added to the measured level if the noise is substantially tonal or impulsive in character.

## L3 Potentially offensive odour

L3.1 No condition of this licence identifies a potentially offensive odour for the purposes of section 129 of the Protection of the Environment Operations Act 1997.

Note: Section 129 of the Protection of the Environment Operations Act 1997, provides that the licensee must not cause or permit the emission of any offensive odour from the premises but provides a defence if the emission is identified in the relevant environment protection licence as a potentially offensive odour and the odour was emitted in accordance with the conditions of a licence directed at minimising odour.

## 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 The premises must be maintained in a condition which minimises or prevents the emission of dust from



# Environment Protection Licence

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Licence - 7566

the premises.

## 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 Recording of pollution complaints

M2.1 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.

M2.2 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.

M2.3 The record of a complaint must be kept for at least 4 years after the complaint was made.

M2.4 The record must be produced to any authorised officer of the EPA who asks to see them.

### M3 Telephone complaints line

M3.1 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.

M3.2 The licensee must notify the public of the complaints line telephone number and the fact that it is a

# Environment Protection Licence

Licence - 7566

complaints line so that the impacted community knows how to make a complaint.

M3.3 The preceding two conditions do not apply until 3 months after: the date of the issue of this licence.

## 6 Reporting Conditions

### 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.

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.

R1.4 Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on:

- a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or
- b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.

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

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

R1.7 Within the Annual Return, the Statements of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:

- a) the licence holder; or
- b) by a person approved in writing by the EPA to sign on behalf of the licence holder.



# Environment Protection Licence

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Licence - 7566

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.

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

## R2 Notification of environmental harm

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

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

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.

## 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.

# Environment Protection Licence

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Licence - 7566

## 7 General Conditions

### G1 Copy of licence kept at the premises or plant

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

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

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

# Environment Protection Licence

Licence - 7566

## Dictionary

### General Dictionary

<b>3DGM [in relation to a concentration limit]</b>	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
<b>Act</b>	Means the Protection of the Environment Operations Act 1997
<b>activity</b>	Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997
<b>actual load</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>AM</b>	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> .
<b>AMG</b>	Australian Map Grid
<b>anniversary date</b>	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.
<b>annual return</b>	Is defined in R1.1
<b>Approved Methods Publication</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>assessable pollutants</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>BOD</b>	Means biochemical oxygen demand
<b>CEM</b>	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> .
<b>COD</b>	Means chemical oxygen demand
<b>composite sample</b>	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.
<b>cond.</b>	Means conductivity
<b>environment</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>environment protection legislation</b>	Has the same meaning as in the Protection of the Environment Administration Act 1991
<b>EPA</b>	Means Environment Protection Authority of New South Wales.
<b>fee-based activity classification</b>	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.
<b>general solid waste (non-putrescible)</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997

# Environment Protection Licence

Licence - 7566

<b>flow weighted composite sample</b>	Means a sample whose composites are sized in proportion to the flow at each composites time of collection.
<b>general solid waste (putrescible)</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>grab sample</b>	Means a single sample taken at a point at a single time
<b>hazardous waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>licensee</b>	Means the licence holder described at the front of this licence
<b>load calculation protocol</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>local authority</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>material harm</b>	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997
<b>MBAS</b>	Means methylene blue active substances
<b>Minister</b>	Means the Minister administering the Protection of the Environment Operations Act 1997
<b>mobile plant</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>motor vehicle</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>O&amp;G</b>	Means oil and grease
<b>percentile [in relation to a concentration limit of a sample]</b>	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.
<b>plant</b>	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.
<b>pollution of waters [or water pollution]</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>premises</b>	Means the premises described in condition A2.1
<b>public authority</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>regional office</b>	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence
<b>reporting period</b>	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.
<b>restricted solid waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>scheduled activity</b>	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997
<b>special waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>TM</b>	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> .

# Environment Protection Licence

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Licence - 7566

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

Mr David Dutailis

Environment Protection Authority

(By Delegation)

Date of this edition: 06-December-2000

# Environment Protection Licence

Licence - 7566

## End Notes

- 1 Licence varied by notice 1009246, issued on 02-Jul-2001, which came into effect on 27-Jul-2001.
- 2 Licence varied by notice 1015846, issued on 31-Mar-2003, which came into effect on 25-Apr-2003.
- 3 Licence varied by notice 1039415, issued on 30-Jul-2004, which came into effect on 24-Aug-2004.
- 4 Licence varied by add street number to premises address, issued on 03-May-2005, which came into effect on 03-May-2005.
- 5 Licence varied by notice 1058313, issued on 12-May-2006, which came into effect on 12-May-2006.
- 6 Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>
- 7 Licence varied by notice 1097682, issued on 11-Feb-2009, which came into effect on 11-Feb-2009.
- 8 Licence varied by notice 1119005, issued on 13-Sep-2010, which came into effect on 13-Sep-2010.
- 9 Licence varied by change to Scheduled Activity name, issued on 10-Feb-2011, which came into effect on 10-Feb-2011.
- 10 Licence varied by notice 1514583 issued on 17-Jun-2013
- 11 Licence varied by notice 1529089 issued on 10-Apr-2015
- 12 Licence varied by notice 1547734 issued on 25-Jan-2017
- 13 Licence varied by notice 1551385 issued on 20-Apr-2017
- 14 Licence varied by notice 1565743 issued on 18-Jun-2018
- 15 Licence varied by notice 1596421 issued on 08-Feb-2021

# APPENDIX E

## EPL Annual Return



# Annual Return

BAIADA POULTRY PTY LIMITED

Licence 7566

## A. Statement of Compliance - Licence Details

ALL Licence holders must check that the Licence details in Section A are correct.

If there are changes to any of these details, you must advise Environment Protection Authority (EPA) and apply as soon as possible for a variation to your Licence or for a Licence transfer.

Licence variation and transfer application forms are available on the EPA website at: <http://www.epa.nsw.gov.au/licensing-and-regulation/licensing> or from regional offices of the EPA, or by contacting by telephone 02 9995 5700.

If you are applying to vary or transfer your Licence, you must still complete and submit this Annual Return.

### A1. Licence holder

Licence number : 7566  
Licence holder : BAIADA POULTRY PTY LIMITED  
Trading name (if applicable) :  
ABN : 96 002 925 948  
ACN : 002 925 948  
Reporting period : From: 19-3-2020 To: 18-3-2021

### A2. Premises to which Licence Applies (if applicable)

Common name (if any) : OAKBURN PROTEIN RECOVERY PLANT  
Premises : 1154 OXLEY HIGHWAY TAMWORTH 2340 NSW

### A3. Activities to which Licence Applies

Livestock processing activities  
Chemical storage

### A4. Other Activities (if applicable)

### A5. Fee-Based Activity Classifications

Note that the fee based activity classification is used to calculate the administrative fee.

Fee-based activity	Activity scale	Unit of measure
General chemicals storage	> 0.00 - 5,000.00	kL storage capacity
Rendering or fat extraction	> 4,000.00	T annual production capacity



## A6. Assessable Pollutants (if applicable)

Note that the identification of assessable pollutants is used to calculate the **load-based fee**.  
The following assessable pollutants are identified for the fee-based activity classifications in the licence:

## B. Monitoring and Complaints Summary

### B1. Number of Pollution Complaints

Pollution Complaint Category	Complaints
Air	0
Water	0
Noise	0
Waste	0
Other	0
<b>Total complaints recorded by the licensee during the reporting period</b>	<b>0</b>

### B2. Concentration Monitoring Summary

For each concentration monitoring point identified in your licence, details are displayed below. If concentration monitoring is not required by your licence, **no data** will appear below.

If data was provided from an uploaded file, the file name will be displayed below instead of any data.

**Note** that this does not exclude the need to conduct appropriate concentration monitoring of assessable pollutants as required by load-based licensing (if applicable).

### B3. Volume or Mass Monitoring Summary

For each volume or mass monitoring point identified in your licence, details are displayed below. If volume or mass monitoring is not required by your licence, **no data** will appear below.

If data was provided from an uploaded file, the file name will be displayed below instead of any data.

**Note** that this does not exclude the need to conduct appropriate volume or mass monitoring of assessable pollutants are required by load-based licensing (if applicable).

## C. Statement of Compliance - Licence Conditions

### C1. Compliance with Licence Conditions

Were all conditions of the licence complied with (including monitoring and reporting requirements)?	Yes
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# Annual Return

BAIADA POULTRY PTY LIMITED

Licence 7566

## D. Statement of Compliance - Load Based Fee Calculation

If you are not required to monitor assessable pollutants by your licence, **no data** will appear below.

If assessable pollutants have been identified on your licence, the following worksheets for each assessable pollutant will determine your load based fee for the licence fee period to which this Annual Return relates.

**Loads of assessable pollutants must be calculated using any of the methods provided in EPA's Load Calculation Protocol for the relevant activity.** A Load Calculation Protocol would have been already sent to you with your licence. If you require additional copies, you can download the Protocol from the EPA's website or you can contact us on telephone 02 9995 5700.

You are required to keep all records used to calculate licence fees for four years after the licence fee was paid or became payable, whichever is the later date.

## E. Statement of Compliance - Requirement to Prepare PIRMP

Have you prepared a Pollution Incident Response Management Plan (PIRMP) as required under section 153A of the Protection of the Environment Operations (POEO) Act 1997?	Yes
Is the PIRMP available at the premises?	Yes
Is the PIRMP available in a prominent position on a publicly accessible website?	Yes
Address of the web page where the PIRMP can be accessed ▼	
<a href="https://www.baiada.com.au/our-committment/pollution-management/oakburn">https://www.baiada.com.au/our-committment/pollution-management/oakburn</a>	
Has the PIRMP been tested?	Yes
The PIRMP was last tested on	3-3-2021
Has the PIRMP been updated?	Yes
The PIRMP was last updated on	19-11-2020
Number of times the PIRMP was activated in this reporting period?	0
The PIRMP was activated on	

## F. Statement of Compliance - Requirement to Publish Pollution Monitoring Data

Are there any conditions attached to your licence that require pollution monitoring to be undertaken as required under section 66(6) of the Protection of the Environment Operations (POEO) Act 1997?	No
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## G. Statement of Compliance - Environment Management System and Practices



# Annual Return

BAIADA POULTRY PTY LIMITED

Licence 7566

Do you have an ISO 14001 certified Environmental Management System (EMS) OR any other system that EPA considers is equivalent to the accountability, procedures, documentation and record keeping requirements of an ISO 14001 certified EMS?	Yes
When was the last check (As per ISO 14001) of the EMS completed?	15-1-2020
Were there any non-conformances related to environmental issues identified in the last check of the EMS?	No
If there were non-conformances identified, were these non-conformances rectified?	

## H. Signature and Certification

This Annual Return may only be signed by person(s) with legal authority to sign it as set out in following categories: an Individual, a Company, a Public authority or a Local council.

It is an offence under section 66 of the Protection of the Environment Operations Act 1997 to supply any information in this form that is false or misleading in a material respect, or to certify a statement that is false or misleading in a material respect. There is a maximum penalty of \$250,000 for a corporation and \$120,000 for an individual.

I/We

- declare that the information in the Monitoring and Complaints Summary in Section B of this Annual Return application is correct and not false or misleading in a material respect, and
- certify that the information in the Statement and Compliance in sections A, C, D, E, F, G and H and any other pages attached to Section C is correct and not false or misleading in a material respect.

Signature		Signature	
Name	SIMON CAMILLERI	Name	GEORGE TSEKOURAS
Position	DIRECTOR	Position	30-3-21 DIRECTOR
Date	30 / 03 / 2021	Date	/ /



# Annual Return

**BAIADA POULTRY PTY LIMITED**

**Licence 7566**

**Declaration**

I declare that the information in the Monitoring and Complaints Summary in section B of this Annual Return is correct and not false or misleading in a material respect, and

I certify that the information in the Statement of Compliance in section A,C,D,E,F and G and any pages attached to Section C is correct and not false or misleading in a material respect.

**Declaration**

I declare that the information in the Monitoring and Complaints Summary in section B of this Annual Return is correct and not false or misleading in a material respect, and

I certify that the information in the Statement of Compliance in section A,C,D,E,F and G and any pages attached to Section C is correct and not false or misleading in a material respect.

# APPENDIX F

## Liquid Trade Waste Services Agreement



**LIQUID TRADE WASTE SERVICES AGREEMENT**

**BETWEEN**

**Tamworth Regional Council**

**AND**

**Baiada Poultry Pty Ltd**

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**Oakburn Protein Recovery Plant Tamworth 2019 - 2021**

Executed 7/11/19 : Expiry 7/11/21

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## LIQUID TRADE WASTE SERVICES AGREEMENT

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Made this 15<sup>th</sup> day of October, 2019

### BETWEEN

1. Tamworth Regional Council and more fully described in the Annexure

### AND

2. Baiada Poultry Pty Ltd and more fully described in the Annexure

### RECITALS

- A. The Council is the owner and operator of a sewerage system within the Tamworth Regional Council area.
- B. The Applicant has made application to the Council to discharge liquid trade waste from the Premises into the Council's sewerage system.
- C. The application has been approved by the Council on certain conditions ("the Approval" which is annexed and marked "A"), including the condition that the Council and the Applicant enter into this Agreement.
- D. The Secretary of the NSW Department of Industry, Skills and Regional Development has concurred in the Approval in accordance with clause 28 of the *Local Government (General) Regulation 2005*.has concurred in the Approval in accordance with clause 28 of the *Local Government (General) Regulation 2005*.
- E. The Approval does not operate until this Agreement has been executed by both parties.
- F. The parties enter this Agreement in consideration of the mutual promises contained herein.

### OPERATIVE PART

#### 1. Definitions and Interpretation

*In this Agreement, unless the context otherwise requires:*

"Act" means the *Local Government Act 1993* (NSW).

"Annexure" means the annexure to this Agreement.

"Annual Management Plan" means the annual management plan of the Council, as adopted by the Council from time to time.

"Applicant" means the entity named as such in the Annexure.



“**Approval**” means the approval described in Recital C, a copy of which is attached and marked “A”.

“**Council**” means the council named as such in the Annexure.

“**Liquid Trade Waste Services**” mean the making available by the Council of its sewerage system for connection to the Premises, for the purpose of discharge by the Applicant of its liquid trade waste.

“**Premises**” means the premises described in the Annexure.

**Unless the context otherwise requires:**

- (a) A reference to this Agreement is a reference to this Agreement, including the Annexure, as amended from time to time in accordance with its terms.
- (b) A reference to the discharge of liquid trade waste means the discharge of liquid trade waste by the Applicant from the Premises to the Council’s sewerage system.
- (c) A reference to any legislation is a reference to such legislation as amended from time to time.
- (d) Where the Applicant is comprised of more than one person, each obligation of the Applicant will bind those persons jointly and severally and will be enforceable against them jointly and severally.

**2. Liquid Trade Waste Services**

*The Council will provide the Liquid Trade Waste Services to the Applicant on the terms of this Agreement.*

**3. Additional Conditions for discharge of liquid trade waste**

- 3.1 The Applicant may discharge liquid trade waste to the Council’s sewerage system in accordance with the terms of the Approval and subject to this Agreement.
- 3.2 The Applicant must comply with all applicable Acts, regulations, by laws, proclamations and orders and with any lawful direction or order given by or for the Council or any other competent authority relating to the discharge of liquid trade waste.
- 3.3 The Applicant must not discharge liquid trade waste contrary to this Agreement or the Approval or in any manner which may have an adverse effect on any person or property (including the sewerage system and the ecological system in the waters, land or area receiving sewage treatment works effluent or biosolids), or which may cause the Council to be in breach of any applicable Act, regulation, by law, proclamation or order or of any lawful direction given by or for any competent authority.



- 3.4 The Applicant must at its own cost monitor its discharges in accordance with the requirements set out in the Approval and must maintain records of all such monitoring for inspection by the Council for such period as may be specified in the Approval and/or specified by Council from time to time.
- 3.5 The Council will carry out routine sampling and testing of the waste stream at the Applicant's cost (see clause 5).
- 3.6 Where any flow-metering device is installed, the Applicant must at its own cost cause the device to be calibrated at least annually by a person or company approved by the Council. The Applicant must obtain a calibration certificate annually and provide a copy of the certificate to the Council within one month of receiving it and/or upon request by Council.
- 3.7 The Council shall be entitled to require the Applicant to cease discharging liquid trade waste for any period and in such circumstances, the Applicant must cease discharging such waste for the period specified.
- 3.8 Where the Applicant ceases to discharge waste in the circumstances prescribed in clause 3.7, the Council may, at its discretion, elect to refund part of the annual trade waste fee on a pro rata basis, calculated according to the period of suspension.
- 3.9 If this Agreement is terminated, the Applicant must immediately cease to discharge liquid trade waste.
- 3.10 The Applicant must provide at its own cost, the plant and equipment required to comply with the Approval and must maintain such plant and equipment and any other pipes, equipment or apparatus used for the conveyance, measurement or treatment of the liquid trade waste in a proper, efficient, clean and working order and condition at all times.

#### **4. Duty to Report**

In the event that the Applicant becomes aware that it is or believes that it may be in breach of any term or condition or requirement of the Approval, howsoever arising, it must immediately (within four hours of becoming aware of such circumstances) notify Council's contact person and/or any person holding a management position in Council's water engineering department and shall convey full and complete details to Council & shall allow Council immediate access to the Premises for inspection & testing.

#### **5. Fees and Charges**

- 5.1 In consideration for the provision of the Liquid Trade Waste Services provided by Council to the Applicant, the Applicant agrees to pay the fees and charges as specified in the Council's Annual Management Plan and notified by Council to the Applicant, including fees for sampling and testing by Council in accordance with this Agreement and the Approval.
- 5.2 Fees and charges payable by the Applicant will include both non-residential sewerage charges and liquid trade waste fees and charges.
- 5.3 All monies payable to the Council by the Applicant, must be paid within the time specified in the notice of charge, failing which, interest shall accrue in accordance with Section 566 of the Local Government Act.
- 5.4 The Applicant acknowledges that Council's fees and charges for the trade waste services will vary annually and will be set in its Annual Management Plan. Council will notify the Applicant of the details of such fees and charges annually after the Annual Management Plan has been finalised.

5.5 In accordance with the section 560 of the *Local Government Act*, Council may also levy all water supply, sewerage and liquid trade waste fees and charges on the owner of the property.

## **6. Term**

6.1 This Agreement will commence from the date it is signed on behalf of the Council, and will continue for the term noted in the Approval until the Applicant's Approval is revoked or the Applicant permanently ceases to discharge liquid trade waste pursuant to the Approval or the term of this agreement expires or this Agreement is terminated, whichever is the earlier. Upon such revocation or permanent cessation of the approved activity or the expiry of the term of this Agreement or this Agreement is terminated then this Agreement shall automatically terminate by operation of this clause.

6.2 The Approval does not operate until this Agreement has been executed by both parties.

6.3 Upon the termination of this Agreement or the expiry of the term, the Approval shall lapse.

6.4 Termination of this Agreement is without prejudice to any accrued rights or obligations of either Party.

6.5 Should the Applicant continue to discharge trade waste after the expiration or determination of the term of this Agreement with the consent of Council, other than pursuant to a further trade waste services agreement, then the terms of this Agreement will continue to apply and the Agreement may be terminated by either party upon giving of 21 days written notice to the other party.

6.6 Notwithstanding any term of this Agreement or the Approval, the Council may terminate this liquid trade waste services agreement at any time by notice in writing to the Applicant. If practical, the Council must give reasonable notice of the termination of this Agreement and must also provide an explanation for why the service is terminated.

## **7. No Representation**

7.1 Notwithstanding the Approval, Council does not make any representation or warranty as to the ongoing ability of the Applicant to continue to discharge liquid trade waste to the sewer during the term of this Agreement. Council will use its best endeavours to minimise any interruption to the sewerage service system. Any decision of Council to direct the Applicant to immediately cease discharge of trade waste, shall be made by Council in its absolute & discretion. In exercising this discretion, the Council will act reasonably and in good faith having regard to all factors which it considers relevant. Provided the Council exercises its discretion in good faith, the Council will not be liable to the Applicant for any claim or for any loss or damage due to the disruption of the Applicant's business or any additional costs or loss or expense or damage suffered by it including the cost of disposal of liquid trade waste, in the event that Council exercises its powers to direct the Applicant to cease discharging liquid trade waste to its sewerage system or in the event that the sewerage system is not functioning and/or inoperable.

**8. Powers of the Council**

- 8.1 The Council may enter the Premises at any hour in the daytime or at any hour during which business is in progress or is usually carried on at the Premises for the purpose of conducting any inspection, examination, testing, monitoring or sampling, to determine whether the Applicant is complying with the conditions of this Agreement and the Approval.
- 8.2 The Applicant acknowledges that the Council has statutory powers available to it under the Local Government Act 1993 and other Acts to issue orders and directions to the Applicant in relation to the discharge of liquid trade waste. The Applicant undertakes to comply with each such order or direction that may be notified by the Council to the Applicant within the time specified for compliance in that order or direction.
- 8.3 The Applicant releases the Council from any liability to the Applicant for any loss or damage due to the disruption of the Applicant's business arising out of the exercise of Council's rights pursuant to this Agreement and/or the Approval.
- 8.4 Upon receiving a Notice referred to in clause 3.7 of this Agreement, the Applicant must cease discharging trade waste for the period specified in the Notice.

**9. Powers of the Council upon default by the Applicant**

- 9.1 The Council may by written notice to the Applicant require the Applicant to rectify any breach of this Agreement and/or the Approval within such time as is specified in the Notice and, where appropriate, to cease the discharge of trade waste pending such rectification.
- 9.2 If the Applicant is in breach of this Agreement, the Council may enter the Premises without notice and disconnect the means of discharge of trade waste or take such other measures as may be necessary to prevent the discharge of trade waste.
- 9.3 If the Applicant is in breach of this Agreement, the Council may without notice terminate this Agreement and the Approval for the Applicant to discharge trade waste to Council's sewer.

**10. Information supplied by the Applicant**

- 10.1 The Applicant warrants that all information in its application for approval is true, complete and accurate to the best of its knowledge.
- 10.2 The Applicant must immediately notify the Council in writing of any error or omission in that information or any change to the information of which the Applicant becomes aware.
- 10.3 The Applicant must not provide any false or misleading information to the Council particularly its monitoring records, nor shall it omit to provide all relevant & material information to Council throughout the term of this agreement .
- 10.4 In the event that the Applicant advises Council of an error or omission or Council becomes aware that any information provided was false or misleading, Council reserves the right to terminate this Agreement & Approval and/or to vary the terms and conditions of the Approval provided that in taking any such action, that it acts reasonably and in good faith having regard to factors it considers relevant.



## **11. Liability and Indemnity**

- 11.1 The Applicant indemnifies the Council from and against any claims, losses, penalties, fines or expense (including legal costs on a solicitor and client basis) which the Council pays, suffers, incurs or is liable for as a result of:
- (a) any unlawful, negligent, reckless or deliberately wrongful act or omission of the Applicant or its personnel or agents in connection with the discharge of liquid trade waste, including (without limitation) such acts or omissions which cause damage to property, personal injury or death; and
  - (b) a breach of this Agreement by the Applicant.
- 11.2 The Applicant's liability to indemnify the Council shall be reduced proportionally to the extent that any unlawful, negligent, reckless or deliberately wrongful act or omission of the Council caused or contributed to the liability or loss
- 11.3 Where Council requires the Applicant to cease to discharge liquid trade wastes in accordance with this Agreement for any reason, the Applicant agrees that Council will not be liable to the Applicant for any loss or damage nor will it be entitled to make any claim for any loss or damage expense or liability suffered by it including disruption to its business and/or additional costs in disposing of trade waste and the Applicant releases the Council absolutely from any such claim, liability or cost absolutely.

## **12. Insurance**

- 12.1 The Applicant must effect and maintain for the term of this Agreement a public risk policy of insurance for the minimum sum specified in the Annexure and must, upon request by the Council, produce evidence of such insurance to the Council. Such policy must cover the Applicant for any claim or loss or damage expense arising out of its discharge of liquid trade waste to Council's sewer.

## **13. Bond**

- 13.1 The Applicant must pay to the Council a bond in the sum specified in the Annexure.
- 13.2 The Council may at any time and without prior notice to the Applicant have recourse to the bond for the recovery of any sum due and owing by the Applicant to the Council which has not been paid on the due date.
- 13.3 Where the Applicant fails to cease discharging trade waste as directed by Council, the Council may forfeit the bond or part of it and keep the bond or the part so forfeited.
- 13.4 The Council must return the bond to the Applicant, less any amount deducted by the Council under this clause, upon termination of this Agreement.

## **14. No Assignment**

The Applicant may not assign or otherwise transfer its rights and/or obligations under this Agreement.

## **15. Notices**

- 15.1 A notice under this Agreement must be:
- (a) in writing, directed to the representative of the other party as specified in the Annexure; and

- b) forwarded to the address, facsimile number or the email address of that representative as specified in the Annexure or the address last notified by the intended recipient to the sender.

15.2 A notice under this Agreement will be deemed to be served:

- (a) in the case of delivery in person - when delivered to the recipient's address for service and a signature received as evidence of delivery.
- (b) in the case of delivery by post - within three business days of posting.
- (c) in the case of delivery by facsimile – at the time of dispatch if the sender receives a transmission report which confirms that the facsimile was sent in its entirety to the facsimile number of the recipient.
- (d) in the case of delivery by email, on receipt of confirmation by the recipient that the recipient has received the email.

15.3 Notwithstanding the preceding clause 15.2, if delivery or receipt of a communication is on a day which is not a business day in the place to which the communication is sent or is later than 5 pm (local time in that place) it will be deemed to have been duly given or made at 9 am (local time at that place) on the next business day in that place.

## 16. Variation

16.1 If the Applicant's Approval to discharge liquid trade waste from the Premises is varied, this Agreement shall be deemed to be varied in accordance with the variation made to that approval or to the fees, by operation of this clause.

16.2 In addition to automatic variation under clause 16.1, this Agreement may be varied by written agreement of the parties, provided that a variation to this Agreement that is inconsistent with:

- (a) the Approval, including rights granted under, and conditions attached to, the Approval;
- (b) any applicable legislation; or
- (c) Council's Annual Management Plan in respect of applicable fees and charges,

shall have no force or effect.

## 17. Severability

If any part of this Agreement is prohibited, void, voidable, illegal or unenforceable, then that part is severed from this Agreement but without affecting the continued operation, so far as possible, of the remainder of this Agreement.

## 18. Applicable Law

18.1 This Agreement is governed by, and must be construed in accordance with, the laws in force in the State of New South Wales.

18.2 Each party submits to the exclusive jurisdiction of the courts exercising jurisdiction in the State of New South Wales and the courts of appeal there from.

## 19. Rights Cumulative

The rights and remedies provided under this Agreement are in addition to, and not exclusive of, any other rights or remedies provided by law.



Signed for and on behalf of

Tamworth Regional Council by

Paul Bennett

Print Name

General Manager

Position

Signature

Date

In the presence of

Print name

Signature

Signed for and on the behalf of

Baiada Poultry Pty Ltd by

(Who warrants he/she has full authority  
to execute this agreement on behalf of

Baiada Poultry Pty Ltd)

SIMON CAMILLERI

Print name

MANAGING DIRECTOR

Position

Signature

Date

In the presence of

DENISE FARRELL

Print name

Signature

## **ANNEXURE**

### **A. THE COUNCIL**

1. FULL NAME OF COUNCIL: **TAMWORTH REGIONAL COUNCIL**
2. ABN: **52 631 074 450**
3. ADDRESS: **437 Peel Street Tamworth NSW 2340**
4. TELEPHONE **(02) 6755 4555**
5. EMERGENCY CONTACT:
  - 1) Liquid Trade Waste Officer **0400 489 890**
  - 2) Headworks Engineer **0400 965 604**
  - 3) Manager Water & Waste Operations **0428 297 896**

### **B. THE APPLICANT**

1. FULL NAME OF APPLICANT: **Baiada Poultry Pty Ltd**
2. ABN: **96 002 925 948**
3. BUSINESS OR TRADING NAME: **Baiada Poultry Pty Ltd**
4. ADDRESS: **PO Box 21 PENDLE HILL NSW 2145**
5. TELEPHONE: **(02) 9842 1000**
6. EMERGENCY CONTACT:
  - 1) Baiada National Environment and Sustainability Manager **0418 118 045**
  - 2) Oakburn Plant Manager **0428 118 150**
  - 3) Oakburn Administration & Compliance **0438 118 353**

### **C. THE PREMISES**

1. LOT & DP NUMBER: **Lot 100 DP: 1097471**
2. LOCATION **Gunnedah Road Tamworth NSW**
3. DESCRIPTION: **Baiada Oakburn Protein Recovery Plant**
4. NATURE OF BUSINESS: **Protein Recovery Plant for Poultry By-Products**

**D. NOTICES**

Applicant's Representative: **Grant White**

Postal address: **PO Box 21 PENDLE HILL NSW 2145**

Email: **grant\_white@baiada.com.au**

Council's Representative: **Daniel Coe**

Postal address: **PO Box 555 Tamworth NSW 2340**

Email address: **d.coe@tamworth.nsw.gov.au**

**E. PUBLIC LIABILITY INSURANCE**

Minimum cover: **\$20,000,000**

**F. BOND**

**\$ Nil**

**SCHEDULE OF CONDITIONS**

- 1) The Applicant must comply with all applicable Acts, regulations, by laws, proclamations and orders and with any lawful direction or orders given by or for the Council or any other competent authority.

***(Reason: Requirement to comply with all applicable government legislation)***

- 2) The work that will be carried out under the General Conditions of Approval shall be implemented and operated in compliance with the Work Health & Safety Act 2011 and Work Health & Safety Regulation 2011 and Plumbing Code of Australia, Australian Standards AS3500, Part 2, Sanitary Plumbing & Drainage and Council requirements

***(Reason: Government requirement for compliance with applicable standards and legislation)***

- 3) The liquid trade waste approval will commence from the date a liquid trade waste agreement is executed by Council.

***(Reason: Requirement for legal considerations)***

- 4) **Term of the Approval:**

Commencement date: From the day the Liquid Trade Waste Services Agreement is executed by Council

Duration: Two years

This approval has a duration period as specified above except where the approval is terminated by the Council or the applicant. Conditions may however be varied during this period.

The term of the approval should be sufficient for the discharger to prove the capability of the new wastewater treatment plant to deliver consistently compliant waste water to Councils sewer.

***(Reason: Pursuant to section 103 of the Local Government Act)***

- 5) **Hours during which discharge is permitted:**

*24hrs per day 7 days per week*

***(Reason: Department of Industry and Council requirement to ensure acceptance capacity of the sewerage system and for auditing purposes)***

- 6) The maximum daily discharge rate shall not exceed 450 kL/d.

***(Reason: Requirement pursuant to Clause 32 of the Local Government (General) Regulation 2005)***

- 7) The maximum instantaneous discharge rate shall not exceed 7L/s.

***(Reason: Requirement pursuant to Clause 32 of the Local Government (General) Regulation 2005)***

All correspondence should be addressed to the General Manager:

Telephone: 6767 5555

PO Box 555 (DX 6125)

trc@tamworth.nsw.gov.au

Facsimile: 6767 5499

Tamworth NSW 2340

www.tamworth.nsw.gov.au

- 8) The pH of the liquid trade waste shall be maintained within the range of 7.0 to 9.0 at all times.

***(Reason: Extremes of pH can adversely affect biological treatment processes and may cause the release of toxic gases in sewer. Low pH causes corrosion of sewer structures)***

- 9) The temperature of the liquid trade waste shall not exceed 38°C at any time.

***(Reason: Department of Industry and Council requirement for protection of the sewerage system and safety of workers)***

- 10) Detergents and cleaning products used shall be biodegradable and low in phosphate

***(Reason: Protection of the environment and to ensure treatability of the waste)***

- 11) The composition of the liquid trade waste shall comply with that approved. A new application shall be made if the quantity and/or quality of the liquid trade waste are to be varied.

***(Reason: Requirement pursuant to Clause 32 of the Local Government (General) Regulation 2005)***

- 12) The pre-treatment equipment on the premises for the treatment of the liquid trade waste is to be kept and maintained in an efficient condition to the satisfaction of the Council and must not be modified without the approval in writing of the Council.

***(Reason: Department of Industry and Council requirement to ensure compliance with the conditions of approval).***

- 13) An inspection point suitable for taking representative samples shall be provided immediately prior to the point where the liquid trade waste leaves the premises and enters the sewerage system.

***(Reason: Department of Industry and Council requirement to permit sampling & compliance auditing of liquid trade waste)***

- 14) If, in the opinion of the council, the liquid trade waste being discharged does not comply with the conditions contained herewith or is adversely affecting the performance of the sewage treatment plant, the sewerage system, or the ecological system in the waters, land or area receiving sewage treatment plant effluent, the company shall forthwith, on receipt of notice in writing from Council to this effect, take remedial action by modifying the characteristics of the liquid trade waste, reducing the amount of the liquid trade waste or ceasing to discharge the liquid trade waste as directed by notice from council.

***(Reason: Department of Industry and Council requirement for compliance with the conditions of approval, protection of the sewerage system and the environment)***

- 15) Except as already provided for by the rest of the conditions contained in this letter, the following substances shall not be included in the liquid trade waste:
- \* organochlorine weedicides, fungicides, pesticides, herbicides and substances of a similar nature and/or wastes arising from the preparation of these substances;
  - \* organophosphorus pesticides and/or waste arising from the preparation of these substances;
  - \* any substances liable to produce noxious or poisonous vapours in the sewerage system;
  - \* organic solvents and mineral oil;
  - \* any flammable or explosive substances;
  - \* discharges from 'Bulk Fuel Depots';
  - \* chromate from cooling towers;
  - \* natural or synthetic resins, plastic monomers, synthetic adhesives, rubber and plastic emulsions;
  - \* roof, rain, surface, seepage or ground water, unless specifically permitted (clause 137A of the Local Government (General) Regulation 2005)
  - \* solid matter;
  - \* any substance assessed as not suitable to be discharged to the sewerage system;
  - \* waste liquids that contain pollutants at concentrations which inhibit the sewage treatment process - refer *Australian Sewerage Quality Management Guideline, July 2012, WSA*; and
  - \* any other substances listed in a relevant regulation.

***(Reason: Statutory provision in Local Government Act Section 638 and Department of Industry and Council requirement for protection of the sewerage system, safety of workers and the environment)***

- 16) All liquid trade waste pre-treatment systems and any substance which could adversely affect the sewerage system, the environment or safety of people must be contained in bunded areas so that any leaks, spillages, and/or overflows cannot drain by gravity to the sewerage and/or stormwater systems. Wastewater collected within the bunded area shall not be directly discharged into the sewerage and/or stormwater systems by automated or mechanical means. Only leaks, spillages and overflows from a bunded pre-treatment equipment area may be pumped back to the head of the pre-treatment system.

***(Reason: Department of Industry and Council requirement for protection of the sewerage system and safety of workers and pursuant to Section 89 (3a) of the Local Government Act 1993 for protection of the environment)***

- 17) Spills and leaks should be cleaned up using dry cleaning methods.

***(Reason: Department of Industry and Council requirement for protection & prevention of overloading of the sewerage system, safety of workers and pursuant to Section 89 (3a) of the Local Government Act 1993 for protection of the environment)***

- 18) Measures shall be taken to prevent the contamination and ingress of stormwater into the sewerage system. Areas likely to become contaminated with stormwater should be bunded and roofed over. The requirement for roofing is not applicable to the open bunded area housing the condenser.

***(Reason: Department of Industry and Council requirement to prevent overflows and overloading of the sewerage system)***

- 19) The concentration of total oil and grease shall not exceed 100 mg/L at any time.

***(Reason: Department of Industry and Council requirement to prevent sewer blockages)***

- 20) All liquid trade waste shall pass through the on-site waste water treatment system as required prior to discharge to the sewerage system.

***(Reason: Department of Industry and Council requirement to limit loading on the sewerage system and pre-treatment system, if installed)***

- 21) In relation to cooling towers and boilers, the use of products containing chromate is not permitted.

***(Reason: Department of Industry and Council requirement to protect the sewerage system and the environment)***

- 22) The pH of the liquid trade waste shall be maintained within the range of 7.0 to 9.0 at all times. The pH of the liquid trade waste shall be checked and corrected, if necessary, before discharge to the sewerage system. The pH shall be recorded and records shall be kept.

***(Reason: Department of Industry and Council requirement to protect the sewerage system and worker health and safety)***

- 23) Chemical and oil storage containers shall be contained in a roofed and bunded area with either the bund having the capacity to retain 110% of the largest container or other acceptable means of containment that prevents flow to the sewerage system/environment in case of accident, leakage or spills.

***(Reason: Department of Industry and Council requirement to protect the sewerage system and worker health and safety)***

- 24) Any amendments to the current contingency plan and a due diligence program are to be submitted to Council for records.

***(Reason: Department of Industry and Council requirement to ensure that adequate contingency measures are in place to address potentially hazardous situation)***

- 25) A suitable method of restricting the flow rate to the figure stated in condition 7 shall be provided by the applicant.

***(Reason: Department of Industry and Council requirement to prevent overflows & overloading of the sewerage system).***

- 26) A magnetic flow meter shall be installed to measure the total liquid trade waste discharge from the premises

***(Reason: Requirement for due diligence, compliance auditing, monitoring and sampling purposes)***

- 27) The BOD<sub>5</sub> concentration shall not exceed 300 mg/L at any time.

***(Reason: Department of Industry and Council requirement to limit loading on the sewerage system)***

28) The suspended solids concentration shall not exceed 300 mg/L at any time.

***(Reason: Department of Industry and Council requirement to limit loading on the sewerage system)***

29) The Chemical Oxygen Demand (COD) shall not exceed 600mg/L if the BOD concentration is less than 150mg/L, otherwise the COD shall not exceed the BOD concentration by more than 3 times

***(Reason: Department of Industry and Council requirement to prevent the discharge of non-biodegradable waste and to ensure treatability of the proposed liquid trade waste)***

30) The concentration of Total Dissolved Solids shall not exceed 1000 mg/L.

***(Reason: Requirement for effluent management options (reduces the opportunity for reuse) and protection of the receiving aquatic environment)***

31) The concentration of Ammonia (as N) shall not exceed 50 mg/L at any time.

***(Reason: Requirement for protection of the sewerage system and worker health & safety)***

32) The concentration of Total Kjeldahl Nitrogen (TKN) shall not exceed 100 mg/L at any time.

***(Reason: Requirement for protection of the sewerage system and the environment)***

33) The concentration of the following substances shall not exceed:

Total Phosphorous as (P)	20mg/L
Sulphide	1 mg/L
Sulphate (as SO <sub>4</sub> )	500mg/L

***(Reason: Requirement for protection of the sewerage system and worker health & safety)***

34) Representative samples of the effluent shall be collected once per week and tested with respect to;

<i>pH</i>	<i>Total Suspended Solids</i>	<i>Total Oil &amp; Grease</i>
<i>BOD5</i>	<i>Total Dissolved Solids</i>	<i>Total Nitrogen</i>
<i>COD</i>	<i>Ammonia as Nitrogen</i>	<i>Sulphide*</i>
<i>Sulphate</i>	<i>Total Kjeldahl Nitrogen</i>	<i>Total Phosphorus (as P)</i>

*\*Sulphide testing will be conducted at Councils discretion*

***(Reason: Requirement pursuant to Section 89 (3a) of the Local Government Act 1993 and Council requirement for protection of the environment, worker health & safety and to ensure treatability of the waste)***

- 35) The sample analysis tests shall be carried out only by laboratories that hold National Association of Testing Authorities (NATA) registration for the class of test(s) or specific test(s) specified in trade waste approval or a laboratory acceptable to NSW Office of Water. Tests shall be carried out by using analytical methods indicated in National Wastewater Source Management Guideline, July 2008, WSSA. The results of the chemical analysis shall be forwarded to the Council for review as soon as available from the laboratory. The analysis records are to be retained by the discharger for the specified period of 5 years.

***(Reason: Department of Industry and Council requirement to ensure the integrity of any sampling analysis results are not compromised and due diligence concerns are satisfied)***

- 36) Any trackable sludge resulting from treatment of the waste shall be removed from the premises by a licensed contractor.

***(Reason: Department of Industry and Council requirement to protect the sewerage system and Office of Environment & Heritage requirement for waste disposal)***

- 37) Data shall be kept detailing the following items:
- Daily volume discharged;
  - pH reading;
  - Whether odour problems occurred and contingency measures taken;
  - periodical sample analysis results, when conducted;
  - Pre-treatment process monitoring check sheets, to include pH, Temperature, Dissolved Oxygen and air pressure at critical points
  - Other checks as required by Council, equipment manufacturer or chemical supplier.
  - Date of pH probe cleaning, calibration of control units and other maintenance work.
  - the data is to be made available to a Council or Department of Industry officer upon request.
  - Sludge removal - description of waste, date of removal & volume removed
  - Details of the removal contractor and waste destination.

***(Reason: Department of Industry and the Council's requirement to protect the sewerage system, environment and health & safety of workers)***

- 38) Performance monitoring of each pre-treatment process is to be undertaken and recorded as per design specifications and/or council requirements

***(Reason; To ensure the effective working of the pre-treatment systems)***

- 39) A suitable alarm system shall be installed and maintained where applicable on pre-treatment equipment to ensure timely fault notification and correction.

***(Reason: To ensure effective working of the pre-treatment systems and allow effective monitoring and control of the system)***

- 40) All staff operating the pre-treatment system are to be competently trained in operating procedures

***(Reason: Council requirement to ensure operational staff can effectively manage the pre-treatment system)***

# APPENDIX G

## Odour Management Plan



**Baiada**

## Standard Operating Procedure

### Oakburn - Odour Management Plan

CONTROLLED

Doc No: REN-SOP-205-OAK

Issue No: 4

Issue Date: 30/07/2019

**1. Purpose**

To ensure that possible odour emitting sources and site operation activities are managed in a manner that will minimise the impact at receivers.

**2. Scope**

All site processing activities that generate air emissions.

**3. Objectives**

To manage and where possible, minimise odour generated from site operation activities that will impact at receivers.

**4. Responsibilities**

The Site Manager is responsible for supplying suitable resources, coordinating, facilitating and implementing this procedure.

The Production Manager/Supervisors are responsible for implementing and complying with this procedure in their relevant work areas.

All Site Staff are responsible for complying with this procedure in their relevant work areas.

The Site Service Providers and Contractors are responsible for providing a service in line with this procedure in their relevant work areas.

**5. References / Records**

REF NO.	DOCUMENT TITLE	DOCUMENT NO.
1	Environment and Sustainability Policy	BAI-POL-011-NAT
2	All relevant Development Approvals and Associated EIS and SEE	
3	Protection of Environment Act 1997	
4	Environment Protection Licence 7566	
5	Oakburn EMS Hub	LOCATED ON OAKBURN SERVER
6	Environmental Incidents and Complaints	EMS-F-007-NAT EMS-STD-009-NAT

**6. Definitions**

**Dissolved Air Flotation Unit (DAF):** A system that chemically treats waste water to remove excess organic matter/solids, oil and grease, and correct pH.

**Bio-Filter:** Is a pollution control technique where living material is used to process air pollutants.

**SBR:** Sequencing Batch Reactor: A process where activated sludge is used to reduce organic matter within the effluent

**WWTP:** Waste water Treatment plant.

Prepared By:	Sherilee Stewart	Oakburn Admin and Compliance	Date: 18/10/2018
Checked By:	Ravikumar Samynathan	Oakburn Admin and Compliance	Date: 30/07/2019
Authorised By	Paul Grima	Manager	Date: 30/07/2019
Template No:	BAI-TMP-002-NAT	Issue No: 7	Issue Date: 31/08/2018



**Baiada**

## Standard Operating Procedure

### **Oakburn - Odour Management Plan**

CONTROLLED

Doc No: REN-SOP-205-OAK

Issue No: 4

Issue Date: 30/07/2019

#### **7. Procedure**

##### **7.1. Management of Fumes From Diesel**

Diesel fumes are generated from on-site trucks. Contract drivers and customer supplied transport companies are expected to keep their vehicles regularly serviced. Any increase in emissions would be immediately noticeable and can be promptly addressed. The driver of visiting vehicles and contract drivers are verbally notified where diesel fumes are noted to be excessive. Written notification may be applicable in certain circumstances. This also applies to contract drivers.

##### **7.2. Management of Odours from Offal/Feather/Blood/Dead Birds Receival**

All Raw Product is brought to site in a sealed truck, and tipped into raw material bins which are then hydraulically closed and sealed. Air is drawn from the raw material bins and ducted to the bio-filters.

In the unusual event that raw product is spilt outside of the raw materials receival area the spill is to be attended to immediately by following the National Spill Response procedure and an Incident Report completed.

Material for processing must be received in a fresh state as this will assist the quality of product as well as reducing risk for odours to occur. The condition of the product received is documented. For any reason the processing plant is aware of an issue affecting the freshness of the product to be delivered, they must contact Oakburn Site Manager to discuss options of accepting material or disposing to landfill.

In the event of a breakdown or issue which causes the plant to cease production, product will be transported to an alternate rendering facility. Landfill is also an option which would require notification to Tamworth Regional Council.

Where conditions have caused a large number of mortalities at the farms, every effort is made to communicate this to Oakburn and ensure that such material arrives as fresh as possible at the site.

##### **7.3. Management of Odours/Air pollution from Finished Product Deliveries**

This is not considered to be a high risk area for odour release. Finished product (Meal) is stored in sealed bins inside the facility and tallow is stored in sealed external bunded tanks at the rear of the facility.

All meal loading is performed inside the enclosed Dry Area Load out bays and any spillage will be captured for reprocess, disposal or within the grates in the area leading to the liquid trade waste system. Trucks will be correctly secured before leaving the load out area.

Load out doors are kept closed at all times when the area is not being utilised.

##### **7.4. Management of Odours from Processing**

All rendering odours are ducted directly through to the Bio-Filters, via direct point source

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## Standard Operating Procedure

### Oakburn - Odour Management Plan

extraction on the equipment.

Steam from the process plant machinery is directed to the condensers / evaporators. The non-condensable gases are ducted to the Bio-Filters. The condensate is directed to the wet wells.

All doors are to be kept closed during processing. Drains should be kept covered within the processing area.

Rubber matting is to be placed over all liquid drainage areas and wet wells outside the plant to further prevent stray odours from escaping.

Breakdowns have the potential to exacerbate raw material decomposition and cause odour. Any such event which has the potential to cause odour impacts MUST be communicated to Environmental Management and/or Senior Management.

With forward notice and planning Contingencies from section 8.2 can be initiated. In the event of a breakdown causing raw material to be captured within the raw material bins, a waste contractor such as Transpacific can be contacted to remove and dispose of decomposed material.

Any incident which causes an odour issue should be reported as per the Environmental Incidents & Complaints Handling & Recording System

#### 7.5. Management of the Bio-Filters

Non condensable gases from the evaporation system are ducted into one of two open-bed up-flow designed Bio-Filters, with Bio-Filter No.1 servicing the high temperature side and Bio-Filter No.2 servicing the low temperature side of the facility. A 3<sup>rd</sup> Biofilter has been added to the WWTP to service all tanks and the processing room at the WWTP.

Both processing Bio-Filters are identical in size and construction, which have been designed for airflows of 30,000m<sup>3</sup>/hr. Each Bio-Filter has a media area of 160m<sup>2</sup> giving a bed residence time of 38 seconds. The WWTP Biofilter is slightly smaller in area and has only a single bay. Residence time was designed to be similar.

The airstream is humidified prior to bio-filtration using an in duct ultrasonic spray system. The sprays are checked and cleaned in accordance with the manufactures requirements. There are 4 nozzles on each duct which require air pressure. The sprays are located where the duct exits the plant to maximize the contact time with the air stream. This contact time is equivalent to raising the relative humidity (RH) of the air from 20% to 100%. Pressure readings are to be monitored as this is an indication of when the media needs replacing due to decomposition.

Processing Bio-Filters have three cells, each capable of being isolated for maintenance or medium replacement when required. WWTP biofilter can be maintained during down times in the system. A dripper system is used to moisten the media. The system is on a timer which is pre-determined by the Bio-Filter manufacturer, typically 2-3 times per day for 20 minutes. Bio-filter leachate water is gravity fed into the West Wells for treating through the Waste Water treatment system.

Prepared By:	Sherilee Stewart	Oakburn Admin and Compliance	Date: 18/10/2018
Checked By:	Ravikumar Samynathan	Oakburn Admin and Compliance	Date: 30/07/2019
Authorised By	Paul Grima	Manager	Date: 30/07/2019
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**Baiada**

## Standard Operating Procedure

### **Oakburn - Odour Management Plan**

CONTROLLED

Doc No: REN-SOP-205-OAK

Issue No: 4

Issue Date: 30/07/2019

Bio-Filters are monitored and checks documented daily.

#### **7.6. Management of Odour and the Waste Water Treatment System**

Refer to Management of Liquid Waste and Contingencies and task instruction for the Operation of the WWTP for more detailed information.

All tanks (Wet Wells, Balance, Sludge, Anoxic, Condinsate & Discharge) associated with the holding and transferring of waste water are contained (other than the SBR) and alarmed. SBR checks for quality and odour are documented on the DAF Monitoring form, although the SBR is not considered to pose a threat of air pollution. The weekly site audit also checks and records any issues with odour.

The DAF and SBR sludge is belted to a 10 metre bin at the back of the WWTP for regular transporting to landfill by a Contractor. The integrity of these bins are checked through the Weekly Site Audit with any issues to be reported to and acted upon immediately by the Waste transport contractor.

#### **7.7. Management of Odours from Waste**

All waste, (apart from that generated from the WWTP plant) is stored indoors. Washing and sanitising the general waste bins is only done inside the plant and run off is captured by the trade waste system

#### **7.8. Management of Boiler Emissions**

The boilers are natural gas fired and should not present any problems with regards to emissions to atmosphere.

If at any time smoke is observed coming from the boiler stack, then contact must be made immediately with a reputable boiler engineer and the source of the problem identified and rectified.

Senior Management must also be notified in order that the situation be assessed in relation to the need to inform NSW EPA. If a problem occurs, boilers are shut down immediately.

The site has 3 boilers on site as a contingency measure. Complaints/Incidents will be reported as per Environmental Incidents and Complaints Handling and Recording System

#### **7.9. Odours from stormwater system**

Swales and the retention basin are checked during the weekly site audit for pooling, or stagnant water and any odours recorded. Any odour observed will be reported immediately in accordance with Environmental Incidents and Complaints Handling and Recording System.

#### **7.10. Gas tanks**

Three 80,000 litre capacity LNG tanks are stored on site and blended with natural gas from the mains for use in the boilers. LNG is dosed onsite with an odour additive prior to

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## Standard Operating Procedure

# Oakburn - Odour Management Plan

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Doc No: REN-SOP-205-OAK

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use for identification of any leaks. Any issues with the tanks or the system are to be reported directly to Elgas.

### 7.11. Management of Odour Complaints

Complaints/Incidents will be reported as per the Environmental Incidents and Complaints Handling system. Forms and Standards as referenced in the references and records are available on "ELO" our Document control Management system. Completed records are located in the Incidents and Complaints Register within the Oakburn EMS Hub. There is a hyperlink on the register for the completed incident report form.

### 8. Monitoring

- Weekly site environmental audit and entered into the Oakburn EMS Hub.
- Daily Bio-Filter Monitoring checks

### 9. Corrective Actions

Where odour is detected on site to be abnormal. It should be reported to the Site Manager who is responsible for ensuring checks are performed to identify odour producing areas of the site and report / consult with Senior Management, consult site Emergency Procedure Manual/PIRMP.

Where equipment or facilities are identified as not complying with this standard, consultation with management may be required to ensure compliance.

### 10. Verification

- Weekly site audits.
- Bi-monthly management reviews.
- Six monthly internal/external audits

### 11. Appendices

	Appendix No	Title	No. of Pages
<b>Am me nd me nt History</b>	1	NIL	
	2		

Updated: July 2019 to include requirements relating to Environmental Incidents and Complaints from the 2019 Independent Environmental Audit.

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# APPENDIX H

## Management of Solid Waste



**Baiada**

## Standard Operating Procedure

### Oakburn - Management of Solid Waste

CONTROLLED

Doc No: REN-SOP-207-OAK

Issue No: 3

Issue Date: 25/07/2019

**1. Purpose**

To ensure that all solid waste generated from activities on the site are managed and disposed of in a manner that will not endanger the environment and where possible, seeks to recycle and reuse material.

**2. Scope**

All solid waste materials generated through site activities.

**3. Objectives**

To manage and dispose of solid waste in a manner that will not endanger the environment. To reduce or eliminate solid waste lines where possible, through segregating and recycling.

**4. Responsibilities**

The Site Manager is responsible for supplying suitable resources, coordinating, facilitating and implementing this procedure.

The Supervisors are responsible for implementing and complying with this procedure in their relevant work areas.

All Site Staff are responsible for complying with this procedure in their relevant work areas.

The site Waste Disposal Company is responsible for providing a service in line with this procedure.

**5. References / Records**

REF NO.	DOCUMENT TITLE	DOCUMENT NO.
1	Environment and Sustainability Policy	BAI-POL-011-NAT
2	All Relevant Development Approvals and Associated EIS and SEE	
3	Protection of Environment Operations Act 1997	
4	Environment Protection Licence 7566	
5	<b>Oakburn EMS Hub</b> Waste Landfill and Recycling – Volumes and Tracking Waste Classification - Oakburn	LOCATED ON OAKBURN SERVER
6	Waste Classification Guidelines: Part 1 Classifying Waste.	

**6. Definitions**

**General Waste:** Unwanted solid material left over from the production process that is not recyclable. Some examples are hair nets and gloves.

**Dissolved Air Flotation Unit (DAF):** A system that chemically treats waste water to

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## Standard Operating Procedure

### Oakburn - Management of Solid Waste

remove excess organic matter/solids and oil and grease.

**Putrescible Waste:** Unwanted material left over from the production process which can decompose. Some examples are offal and feather.

**Rendering Plant:** a factory or plant that renders and processes livestock wastes, offal, blood and feather into useable protein materials

**Commingle Recycle:** Single-stream recycling where all materials that can be recycled are added together in one bin.

#### 7. Procedure

##### 7.1. Classification of Waste

The classification of Oakburn waste has been performed referencing the EPA issued Waste Classification Guidelines: Part 1 Classification of Waste. The different waste types are listed, tracked and managed through the Waste Classification Tab – OAKBURN EMS Hub.

Wastes are classified as Special, Liquid, Hazardous, Restricted Solid Waste, General Solid Waste (putrescible) and general Solid Waste (non-putrescible)

Waste Classification Oakburn Rendering Plant outlines the types of waste and by-products generated on this site, the class of waste, whether it is recyclable, Waste transporter and destination, tracking requirements, destination and other additional information as required. Some additional information is listed below.

##### 7.2. General Waste

The main types of general waste on site are, but not limited to:

- Discarded/used production PPE equipment
- Amenities waste (paper towels, food waste, cigarette butts, etc.)
- Maintenance waste that cannot be recycled

##### Disposal of General Waste

General waste is collected on site within the skip bins provided by Ron Jones Haulage. It is transported to the Forest Hill landfill by Ron Jones. The waste storage area at the site will be kept in a clean and tidy manner and no unauthorised wastes will be disposed of into these containers. Quantities of General waste disposed to landfill are recorded in the EMS Hub located on the Oakburn server.

##### 7.3. Putrescible Waste

The main types of putrescible waste on site are, but not limited to:

- Offal
- Feather
- Blood
- Whole birds
- Non-edible product (product not fit for human consumption e.g. bones and heads)

##### Disposal of putrescible waste (Offal and Non-edible Product)

Disposal of putrescible waste which cannot be rendered or has been rejected from the process due to contamination will be transported to the Forrest Hill Landfill by Ron Jones Haulage. Quantities of General waste disposed to landfill are recorded in the EMS Hub located on the

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### **Oakburn - Management of Solid Waste**

Oakburn server.

#### **7.4. Waste Packaging Materials**

Oakburn rendering site does not use packaging materials, and although incoming goods do have some packaging, it is minimal. These recyclable packaging materials are collected and stored on site and removed by Challenge recycling. Other non-recycling material is disposed of into the waste bins to landfill.

#### **7.5. Disposal of Used Chemical Containers**

Empty chemical containers are stored appropriately on site and then returned to the supplier or recycled. The containers are triple rinsed where required and lids attached.

#### **7.6. Disposal of Maintenance / Electricians Waste**

- Scrap metal is stored on site and sent to a metal recycling site as required.
- Oily rags are placed in the general waste skip when used.
- Used or waste oils are stored on site and generally used for lubrication purposes on other pieces of equipment.
- A waste oil drum appropriately labelled and banded is stored in the maintenance workshop.
- Light globes and fluorescent tubes are recycled through an approved waste handler. All lights are retained on site and sent to the processing plant or Tamworth Regional Council Recycling facility to be included in the light recycling.

#### **7.7. Recycling**

- A small amount of cardboard is generated at the rendering site. Cardboard is stored in the recycling bin and collected fortnightly by Challenge Recycling Services
- Amenities and office recycling which includes milk cartons and aluminium drink cans are stored in the comingled receptacle and collected fortnightly by Challenge Recycling Services
- Non-returnable timber pallets are recycled on site (used for storage if items)

#### **7.8. Management of Waste Bins Located Outside the Factory**

Waste bins are kept closed at all times to prevent rain entry and to prevent the contents from escaping due to wind. Monitoring of the waste bins for odour and the bin integrity is conducted weekly during the EMS audit, with any issues noted raised to the bin supplier. The bins are cleaned after tipping by washing with minimal water inside the plant. The water from this process is contained within the trade waste system. Any leaking bins are to be reported to the waste transport supplier immediately for repair.

#### **7.9. Management of Obsolete material on site**

Obsolete machinery is stored in the metal storage area on site. However larger obsolete machinery is either sent for metal recycling or sent to the Processing Plant for secure storage.

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#### 7.10. Sludge Disposal

Pressed sludge from the WWTP DAF process and the SBR is collected in a 10 meter hook bin and transported to the Forrest Hill Landfill by Ron Jones Haulage.

#### 8. Monitoring

- Daily informal visual checks of waste bins – ensuring they are not overfull and not leaking.
- Weekly site environmental audit
- Weekly Landfill volumes
- All information is entered into the Oakburn EMS Hub.

Weekly Landfill volumes and graphs tracking volumes against set targets are located in the Oakburn - EMS Hub located on the OAKBURN server. Additional detail is also located in the Annual Site KPI Report which is hyperlinked on the Landfill and Recycling Tab.

#### 9. Corrective Actions

Where it is identified as not complying with this standard, staff are to be notified of the requirements and immediate corrective action is to take place to ensure compliance. Any individual who continues to be non-compliant or has repeated non-compliance to this standard shall report to the Site Manager where disciplinary action may be taken.

Where equipment or facilities are identified as not complying with this standard, consultation with management may be required to ensure compliance. Where a potential threat to stormwater, trade waste or the environment is identified, the Site Manager is to be informed immediately, so that appropriate measures can be taken ie notify Senior Management, consult site Emergency Procedure Manual/PIRMP.

Where a service provider or contractor is identified as not complying with this standard, they are to be notified of the requirements through a Supplier Non Conformance and corrective action is to take place to ensure compliance.

#### 10. Verification

- Weekly site audits.
- Bi-monthly management reviews.
- Six monthly internal/external audits

#### 11. Appendices

Appendix No	Title	No. of Pages
1	Procedure for the disposal or offal and DAF/SBR Sludge to TRC Landfill	1
2	Advisory Fax of Landfill requirements to Council	1

Prepared By:	Sherilee Stewart	Oakburn Admin and Compliance	Date: 18/10/2018
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#### APPENDIX 1

##### PROCEDURE FOR THE DISPOSAL OF OFFAL AND DAF SLUDGE TO TAMWORTH LANDFILL SITE

1. Tamworth City Council requires that all dead animals be contained within plastic, upon receipt at the Forest Road landfill site.
2. Tamworth City Council will not accept offensively odorous waste.
3. All major deliveries to landfill are to be accepted by telephone, contact Tamworth City Council, **02 67613687 or main office number 1300 733 625**
4. Normal daily pickups by Baiada contractor to landfill, who will co-ordinate delivery with the landfill site, contact Council's staff on 02 67613 687. A Fax must be sent to Tamworth Landfill Site (if requested) notifying of intent to dump offal products. Four hours' notice must be given to the Landfill site of dumping requirements.

#### APPENDIX 2

Baiada Poultry Pty. Limited  
 Oakburn Protein Recovery Plant  
 1154 Gunnedah Road,  
 P.O. Box W484,  
 Tamworth,  
 N.S.W 2340  
 Ph: 02 67607802  
 Fax: 02 67607803



## Fax

**To:** Waste Depot **From:** Paul Grima  
**Fax:** 67612053 **Pages:** 1  
**Phone:** 67613687 **Date:**  
**Re:** Waste Delivery **CC:** Peter Resch (67554294)

Urgent  For Review  Please Comment  Please Reply  Please Recycle

Please be advised that Baiada Oakburn intends to deliver one load of \_\_\_\_\_ approximately \_\_\_\_\_ tonne to the Forest road landfill site today at approximately \_\_\_\_\_.

Ron Jones transport (0412 666689) will be transporting, if there are any difficulties, please call.

Thanking you for your cooperation.

Paul Grima  
 Oakburn Rendering  
 Ph: 6760 7802

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# Oakburn - Management of Solid Waste

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# APPENDIX I

## Management of Liquid Wastes and Contingency Plan



**Baiada**

## Standard Operating Procedure

# OAKBURN - Management of Liquid Waste and Contingency Plan

### 1. Purpose

To manage liquid waste on site in such a manner that the environment is protected from harm, and promote recycling and reuse where possible. To ensure site has contingency to ensure continuing conformance to legislation and key stakeholder requirements.

### 2. Scope

All liquid waste generated from site processing activities

### 3. Objectives

To manage and dispose of liquid waste in a manner that will not endanger the environment. To reduce or eliminate liquid waste lines where possible, through segregating and recycling of liquid waste

### 4. Responsibilities

The Site Manager is responsible for supplying suitable resources, coordinating, facilitating and implementing this procedure.

The Supervisors are responsible for implementing and complying with this procedure in their relevant work areas.

All Site Staff are responsible for complying with this procedure in their relevant work areas.

The Site Service Providers are responsible for providing a service in line with this procedure.

### 5. References / Records

REF NO.	DOCUMENT TITLE	DOCUMENT NO.
1	Environment and Sustainability Policy	BAI-POL-011-NAT
2	All relevant Development Approvals and Associated EIS and SEE	
3	Protection of Environment Act 1997	
4	Environment Protection Licence 7566	
5	<b>Oakburn EMS Hub</b> Waste Water Quality – testing results KPI's for Waste Water Volumes and Total discharge KPI's for Solid waste Volumes and Total disposal	

### 6. Definitions

**Dissolved Air Flotation Unit (DAF):** A system that chemically treats waste water to remove excess organic matter/solids and oil and grease.

**Sludge:** Is produced from the treatment of wastewater on site.

Prepared By:	Sherilee Stewart	Oakburn Admin and Compliance	Date: 18/10/2018
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## Standard Operating Procedure

# OAKBURN - Management of Liquid Waste and Contingency Plan

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Doc No: REN-SOP-204-OAK

Issue No: 7

Issue Date: 23/12/2019

**Waste Water:** Water generated following condensing from the rendering process along with wash down water.

**Waste Water Treatment Plant (WWTP):** Where waste water is treated through a chemical and biological process.

**CAL:** Covered Anaerobic Lagoon, biological Anerobic system for the primary treatment of waste water. Used to collect gases produced from this process for Energy or gas production.

## 7. Procedure

### 7.1 Disposal of waste oils

As part of scheduled maintenance work, oils are periodically replaced in machinery which requires lubrication. The waste oil is captured and placed in a bunded container for collection. This oil will be removed from site by a licenced transported. This is the responsibility of the Maintenance Manager. A fully completed Waste Tracking Docket will be provided by the waste disposal company on volumes of waste oil collected and destination. Filed as required.

The site also uses several systems of oil filtration which remove contaminants from the oils and puts back into the system, maximising use of the oil and maximising the longevity of the equipment.

### 7.2 Waste Water Management

The basic flow of the wastewater system consists of several collection treatment processes:

- Water is collected from all processing areas and moves to WET WELLS 1,2 and 3 or a combination of the above.
- Water then moves from WET Well 3 to Balance tank Balance tank water is then transferred to CAL
- Water is also collected from the Low Temp offal processing to the CONDENSATE tank. Condensate water is used to feed the SBR as part of its normal cycle. Condensate water can also be fed to the CAL if required.
- CAL – Raw Effluent is pumped from Balance tank to the CAL. CAL is used for initial treatment of the waste water.
- SBR – After initial processing in CAL water moves to the SBR for aerobic secondary processing.
- Clear Wells – outflow from the SBR proceeds to the clear well for final settling prior to discharge to Council Sewer, under the sites Trade waste Agreement
- A DAF – remains in operable condition at the site in case of requirement. It ceased being used in general operation 20.12.19.

The waste water system is monitored daily by operators through use of a WWTP checklist.

Additional detail of these collections and processing is listed below.

#### 7.2.1 General use Water

Washdown Water is generated when cleaning of the plant or delivery vehicles is undertaken. Cleaning is undertaken throughout the day or when spills etc. have occurred within the plant necessitating clean up. These liquids are all captured by the trade waste drains, whilst larger pieces are trapped in the drain covers for removal. This water progresses to the Balance tank and is then treated through the system.

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### 7.2.2 Condensate

A secondary water source from the low temperature processing side of the factory transfers condensate water generated as water is driven off the cooked material, to the Condensate Tank at the WWTP. This water is fed directly to the SBR and is a source of nutrients to the biological system.

### 7.2.3 Other Processing

Waste water from the rendering processes on the High Temperature side of the plant is transferred to the Balance tank at the WWTP via trade waste drains around the site.

### 7.2.4 Bio-filter

Leachate water from the two processing plant Bio-filters is gravity fed from sumps directly into the sites Wet Wells. Bio-filter 1 feeds into WW2. Bio-filter 2 feeds into WW3. This water is then pumped with other site waste water to the Balance Tank for treatment through the DAF.

Water from the WWTP plant Biofilter is also sent to the Balance tank for processing through the system.

### 7.2.5 Chemicals

Other than chemicals used within the process of treating waste water and wash down water with chemical added for cleaning, there should be very little chemical treatment through the DAF & SBR System. Once mixed with the waste water these amounts should not impact the quality of the discharge water.

Containers such as IBCs are rinsed within the intake area. Any run off is then captured by the intake area drains.

Blowdown water from the boilers will contain minimal chemical and a small amount of sediment, this is captured and treated by the waste water system via site drains.

Bait stations are placed in a way that the pesticide contained within the unit will not escape even during a rain event. Herbicides used in the maintenance of the gardens and surrounds are strictly controlled and documented and should not enter the waste water system.

## 7.3 Waste Water Treatment Plant Equipment (incl Contingency Planning)

### 7.3.1 Wet Wells (Including Rotary Screen)

The waste water from high temp processing is collected in Wet Well 1 at the rear of the building on the High temperature side of the plant. This Wet Well has a capacity of approximately 27,000 litres and is equipped with a 2 pump system with a high level alarm. If the water level reaches a high level an alarm will be triggered

From Wet Well 1 the waste water is transferred to the waste water rotary screening system which is located in the raw material intake area. This screen removes the gross solids, usually small amounts of feathers and pieces of meat small enough to pass through the floor screens. The electric motor for this screen only serves to make the barrel screen rotate. The unit will function without the barrel rotating for a period of about 4 hours and this can be prolonged with regular manual washing by

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## Standard Operating Procedure

# OAKBURN - Management of Liquid Waste and Contingency Plan

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staff.

After screening, the water is transferred to Wet Well 2, located next to Wet Well 1, which has a capacity of approximately 9,400 litres and is equipped with a 2 pump system with a high level alarm. If the water level reaches the high level an alarm will be triggered

A High level alarm on any Wet Well will cease pumping water to the wet well and alarm through visual and audible means in the Control Room. The alarm is activated to prevent inadvertent spills

If a wet well pump were to fail, it would be replaced with an emergency standby held on site, a stock of the most common parts are also held on site. The pump could also be replaced as the majority of the pumps used within the site are interchangeable and transferred to give service until a replacement pump arrives. The alarms on the wet wells are tested by maintenance on a monthly basis and this is tracked through MEX. All waste water is then transferred to wet-well 3 with a capacity of 9,400 litres before transfer to the 350kl litre balance tank.

All pumps are interchangeable, and there is always a backup unit on site.

### 7.3.2 Balance Tank

The balance tank holds 350kl and is alarmed with both audible alarms and direct to security alarms for high priority alarms if not corrected within 30 minutes. Unactioned alarms will cease operation of the plant and therefore additional water production until situation is corrected.

The balance tank helps to cool the production water before processing through the DAF and allow the water to mix and be of even quality for processing. The pump for this unit is interchangeable with other pumps on site, there is always a replacement available on site. Construction and integrity of tanks is monitored 3 monthly via the MEX Preventative Maintenance system

### 7.3.3 DAF Operations

***DAF remains as standby system in case of detected poor water quality at the head of the system or emergency breakdown. It ceased general operation as at 20<sup>th</sup> Dec 2019.***

Refer to Monitoring and Operation of Waste Water Treatment Plant Task Instruction. A flocculating agent is added and the dissolved air aids flotation of fats and solids (Floc) which floats to the surface and is removed via a chain scraper system to a hopper at the end of the unit and is collected into the sludge waste concrete tank outside the WWTP building.

The scraper is powered by a conventional small electric motor. Replacements are readily available ex stock. Scrapers can be fabricated quickly from insertion rubber kept in stock. Chain spares are available on site.

The treated wastewater from the DAF flows into a sump in the treatment room floor, this effluent is transferred to the SBR Feed Tank prior to addition to the SBR (biological

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secondary treatment system).

Production staff are assigned a checklist (DAF Monitoring Form) to monitor the DAF operations over all shifts while the WWTP plant is operating to ensure performance is optimal.

All Pumps and mixing units within the system have parts and/or spare pumps held on site. If there is a failure they would be replaced immediately.

If the treated water is found to be unacceptable quality after the DAF system, water can be recycled back to the balance tanks and switched back over when water quality is acceptable.

The parameters to be monitored are:

- Visual cleanliness of water
- Volume of water discharged on a daily basis.
- pH in and out of the DAF
- Aeration pressure
- Equipment Checks
- Polymer dosing
- Chemical dosing

Refer to a set of complete Operational and Maintenance Manuals for more detail DAF operation.

### 7.3.4 SBR Feed Tank

***SBR Feed tank is linked to the operation of the DAF and remains as standby system in case of detected poor water quality at the head of the system or emergency breakdown. It ceased general operation as at 20<sup>th</sup> Dec 2019.***

Holds water cleaned through the DAF prior to addition to the SBR. The feed tank allows additional water to be processed as additions can only be made to the SBR during the aeration phase.

### 7.3.5 Condensate Tank

The condensate tank holds water generated by the low temp soft offal side of the process where water is condensed off that has low Suspended solids but high BOD and is used to Feed the SBR to ensure it obtains sufficient nutrients for secondary treatment of the waste water.

If any issues are experienced with the Condensate transfer, water can be diverted to the Balance tank. Water will also divert automatically to Balance tank if Condensate tank reaches high level.

### 7.3.6 SBR and Aeration

The site commenced operation of a 5 ML SBR during December 2019. In the SBR, water goes through an aeration – settling – discharge cycle. On the discharge cycle the water is sent to one of two 5ML Clear wells.

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# OAKBURN - Management of Liquid Waste and Contingency Plan

New SBR is aerated through the use of submerged aerator systems that have been designed with excess a capacity. The Aerators is comprised of 20 beds of 8 aerators which can be isolated if required. The aerators are powered through the use of 3 blowers which have common spares. The system is capable of running with 2 Blowers until repairs are completed.

A generator can be hired for the running of blowers in case of major power failure to the system.

The old SBR system is still operational while the new SBR is being commissioned. After this time it will be left in operatable condition should it be required for emergency use.

Key Spares for aerators, blowers and pumps will be held on site.

### 7.3.7 Clear Wells

After processing through the SBR water moves to either of the clear Wells. Water exits the clear wells and is transferred to the discharge tank.

Two Clear wells are available where only one is required for normal use. The clear wells will normally be cycled between. Bird netting has been installed on the clear wells to prevent bird attraction to the area due to concerns from nearby airport.

The second allows for contingency of the overall system and allows water to be pumped from the SBR in case of Emergency repairs.

### 7.3.8 Discharge to Sewer

The water being discharged from the SBR is sent to a 100 KI discharge tank ready to be pumped to the Tamworth Regional Council water treatment facility.

Discharge is monitored and spare pumps are kept on site.

The sewer pipeline runs to the sewer connection point at the truck stop on the Oxley Highway. The pipeline is driven weekly to detect any leaks and this check is documented

### 7.3.9 Rupture of External Pipework

The external pipe work at Oakburn is generally protected against impact, and could only rupture due to failure. External site audits should detect any problems with the external pipe work and under Condition 47 of DA53/97 – Modification 3 (2009) all facilities at the site including effluent pipelines and drains, stormwater and diversion drains, pumps, sumps and bund walls shall be inspected on a weekly basis and after any significant rainfall event (“post heavy rain” should be documented on the site audit sheet when this occurs). Maintenance work must be carried out immediately if any facility is not operating to its design capacity. All such incidents need to be documented on the EMS Incident and Complaints Action Sheet

### 7.3.10 Extreme Events

Contingency has been built into the system to allow for handling of minor breakdown and maintenance.

Notification to Tamworth Regional Council would be made if any adverse waste water is discharged inadvertently; however, this is unlikely to occur with controls that are in place.

Prepared By:	Sherilee Stewart	Oakburn Admin and Compliance	Date: 18/10/2018
Checked By:	Grant White	National Environment & Sustainability Manager	Date: 23/12/2019
Authorised By	Paul Grima	Manager	Date: 23/12/2019
Template No:	BAI-TMP-002-NAT	Issue No: 7	Issue Date: 31/08/2018



**Baiada**

## Standard Operating Procedure

# **OAKBURN - Management of Liquid Waste and Contingency Plan**

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In an event causing environmental harm or threatening in excess of a \$10,000 clean up, the PIRMP (Pollution Incident Response Management Plan) should be enacted. The decision to enact the PIRMP would be made by Senior Management.

If a general power failure occurs then all processing will cease at the processing plant. Generators can be used to power parts of the system to ensure operation of critical systems. As discussed above generators can also be used on the WWTP through the Control boards linked to this area.

Localized power failures would be initiated by circuit problems within the system. Remediation of these would be undertaken by contacting an electrician.

### **7.4 Quality Testing**

Weekly effluent samples are tested by Tamworth Regional Council’s Laboratory. Copies of analysis results are filed on site. Results are stored on the Oakburn EMS Hub.

### **7.5 Other Liquid Wastes**

At times various wet wells and pits require cleaning due to build-up of non-desirable materials. This type of pump out will be conducted by a licenced liquid waste contractor and disposed of appropriately. A liquid waste docket is retained from each pump out and includes the transporters name, volume, type of waste and destination. All waste tracking dockets are retained on site in accordance with the EMS National Records Standard

## **8 Monitoring**

- Weekly site environmental audit.
- Review and/or trending of waste water analysis results. These results are tracked and stored in the OAKBURN – EMS Hub.
- Records kept of volumes of sludge removed from the Oakburn site. – These volumes are tracked and stored in the OAKBURN – EMS Hub
- Records kept of volumes of daily discharge to Tamworth Council’s sewage system – These volumes are tracked and reported in the OAKBURN – EMS Hub.

All details are entered into the Oakburn EMS Hub weekly. The OAKBURN EMS Hub is located on the Oakburn Server.

## **9 Corrective Actions**

Where it is identified as not complying with this standard, staff are to be notified of the requirements and immediate corrective action is to take place to ensure compliance.

Any individual who continues to be non-compliant or has repeated non-compliance to this standard shall report to the Site Manager where disciplinary action may be taken.

Where equipment or facilities are identified as not complying with this standard, consultation with management may be required to ensure compliance.

Where Waste water analysis is identified outside of trigger values and/or are not complying with this standard, consultation with management may be required to ensure compliance.

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Repeat testing or further actions may be required to ensure levels remain acceptable and limit the risk to the environment.

Where a potential threat to stormwater, trade waste or the environment is identified, the Site Manager is to be informed immediately, so that appropriate measures can be taken ie Emergency Procedure Manual / PIRMP. The National environmental incidents handling and reporting procedure is to be followed.

Where a service provider or contractor is identified as not complying with this standard, they are to be notified of the requirements and corrective action is to take place to ensure compliance.

### 10 Verification

Weekly site audits  
DAF Monitoring Form  
Waste Water analysis  
Sludge Analysis  
Bi-monthly management reviews  
Six monthly internal/external audits

### 11 Appendices

	Appendix No	Title	No. of Pages
MM	1	SBR – Impact of No Aeration 1	
EN			
DM	2		
EN			

### T HISTORY

**Updated July 19** – to refine information required as part of the Independent Environmental Audit 2019. Also to comment on WWTP Upgrades.

**NEXT UPDATE REQUIRED** – SEPT 2019 for WWTP Upgrades which will significantly affect content of this operating procedure.

**UPDATED** - 21.12.19 for commencement of operation of Upgrades to WWTP.

Prepared By:	Sherilee Stewart	Oakburn Admin and Compliance	Date: 18/10/2018
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## Standard Operating Procedure

**Baiada**

# OAKBURN - Management of Liquid Waste and Contingency Plan

### APPENDIX 1

#### Impact of No Aeration at Baiada SBR

Hours of Nil Aeration	Consequence	Recovery from recommencement of Aeration
0 – 6 hrs	Significant increase: <ul style="list-style-type: none"> <li>• BOD to 90 mg/L</li> <li>• NH<sub>4</sub>-N to 80 mg/L</li> </ul> In the discharge tank	The BOD removal will resume within 6 hrs commencement of full aeration and will reduce back to < 10 mg/L.  The NH <sub>4</sub> -N removal will take <b>12</b> hours to reduce back to <50 mg/L
6 – 12 hrs	Significant increase in: <ul style="list-style-type: none"> <li>• BOD to 180 mg/L</li> <li>• NH<sub>4</sub>-N to 160 mg/L</li> </ul> In discharge.  The colour of the SBR mixed liquor turns to black and results in poor sludge settling leading to high SS	The BOD removal will resume within 9 hrs commencement of full aeration to reduce back to < 10 mg/L.  The NH <sub>4</sub> -N removal will take <b>24</b> hours to reduce back to <50 mg/L followed with a peak NO <sub>x</sub> to 80 mg/L  The recovery on NO <sub>x</sub> takes for another two days
12 – 24 hrs	Significant increase in: <ul style="list-style-type: none"> <li>• BOD to 280 mg/L</li> <li>• NH<sub>4</sub>-N to 220 mg/L</li> </ul> In discharge.  It creates a septic odour and results in poor sludge settling leading to high SS.	The BOD removal will resume within 12 hrs commencement of full aeration to reduce back to < 10 mg/L.  The NH <sub>4</sub> -N removal will take <b>48</b> hours to reduce back to <50 mg/L followed with a high NO <sub>x</sub> to 160 mg/L.  The recovery on NO <sub>x</sub> takes for another six days
24 – 48 hrs	Significant increase in: <ul style="list-style-type: none"> <li>• BOD to 450 mg/L</li> <li>• NH<sub>4</sub>-N to 450 mg/L</li> </ul> In discharge.  It creates a very strong septic odour and results of very poor sludge settling via high SS > 200 mg/L	The BOD remove will resume quickly within 12 hrs commencement of full aeration to reduce back to < 10 mg/L.  The NH <sub>4</sub> -N may take <b>72</b> hours to reduce back to <50 mg/L if the nitrifiers survived.  It may need to re-seed biomass and take a month to reduce TN if it's nitrifiers were killed.

**Glossary:**

- NH<sub>4</sub>** - Ammonia
- N** - Nitrogen
- BOD** - Biological Oxygen Demand
- SBR** - Sequencing Batch Reactor
- Nitrifiers** - Microbes responsible for the consumption and conversion of Ammonia
- NO<sub>x</sub>** - Oxidised Nitrogen – produced in breakdown step in conversion of Ammonia

If the performance of the sewerage treatment works is depleted and may affect the sewerage system, or the ecological system in an area receiving the effluent, then remedial action **MUST** be taken by improving waste quality, reducing amount of waste or ceasing discharge. Refer to Notification to Council of Waste Water Issues Task Instruction.

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# **OAKBURN - Management of Liquid Waste and Contingency Plan**

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# APPENDIX J

## Stormwater Management Plan

# STORMWATER MANAGEMENT PLAN

## OAKBURN PROCESSING PLANT



mpn consulting

Prepared By:

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Level 5

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**REVISION STATUS**

MPN Reference No: 7679  
 Client: Baiada Poultry Pty Ltd  
 Site Address: Oxley Highway, Oakburn, New South Wales  
 Report Title: Stormwater Management Report

**DOCUMENT CONTROL**

Version	Date	Author	Reviewer	Approved
Draft	31/07/2018	Matthew Hendle	Lachlan Stephenson	Lachlan Stephenson
Issue A	22/01/2019	Matthew Hendle	Lachlan Stephenson	Lachlan Stephenson
Issue B	3 June 2019	Matthew Hendle	Lachlan Stephenson	

## EXECUTIVE SUMMARY

This report has been commissioned by Baiada Poultry Pty Ltd for the Development Application for the proposed extension to the Oakburn Processing Plant at Oxley Highway, Oakburn.

This report addresses the following Engineering aspects of the proposed development:

- Topography
- Flooding
- Stormwater quality management
- Stormwater quantity management
- Erosion and sediment control

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## 1 PURPOSE

This Stormwater Management Plan has been prepared to support the Development Application for the proposed extension to the Oakburn Processing Plant.

## 2 INTRODUCTION

### 2.1 Project Description

Stage 1 of the development, which was recently completed, included the construction of a new protein recovery plant to replace the old plant, which was destroyed by fire.

The current proposal includes the construction of a new processing plant to the South of the Stage 1 building along with new car parking, loading docks, access roads and a wastewater treatment plant.

The proposed development is depicted on the architectural plans prepared by Baiada Poultry Pty Ltd attached in Appendix 1, with excerpt below.

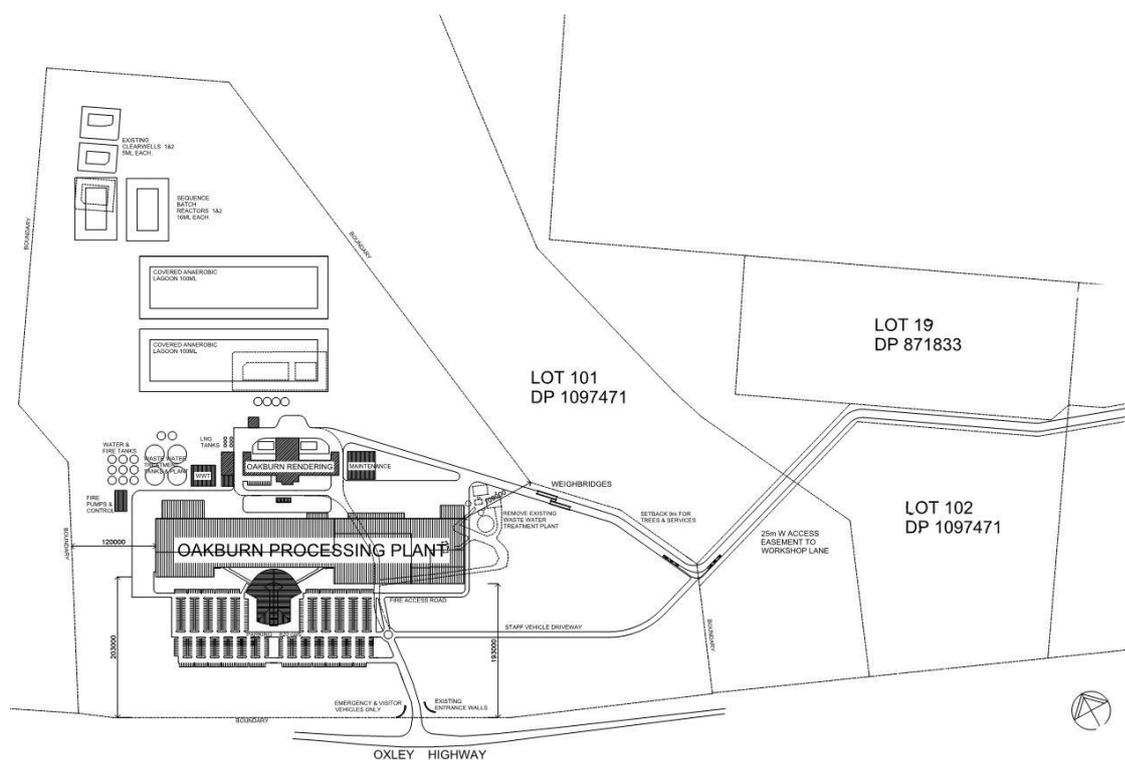


Figure 1 – Proposed Development

## 3 SITE CHARACTERISTICS

### 3.1 Site Location

The site is located at Oxley Highway, Oakburn on land described as Lot 100 on DP 1097471.

The site is bounded by Oxley Highway to the South-West, Boltons Creek to the North-West and undeveloped rural land to the North and East.



Figure 2 – Site Location

### **3.2 Topography and Existing Site Drainage**

The site currently contains a protein recovery plant and a series of smaller buildings and a wastewater treatment plant which was constructed as part of Stage 1 of the development.

The site generally falls away from the centre of the site's South Western boundary to the West towards Boltons Creek and to the North and East towards an existing overland flow path.

Stormwater runoff from the site discharges as overland sheet flow across the West, North and East boundaries of the site.

There is an existing detention basin which was constructed as part of Stage 1 to treat and detain the stormwater runoff from the development.

No external catchments appear to flow through the site.

## **4 SITE DATA**

Site data has been obtained from the following sources of information:

- As constructed plans
- New South Wales Environmental Protection Authority (EPA)
- Tamworth Regional Council
- Satellite imagery
- Relevant reports
- Discussions with relevant authorities
- DBYD
- Survey plans

## 5 STORMWATER

### 5.1 Flooding

Current flood mapping in the area indicates the site is not subject to flooding from any sources.

### 5.2 Site Based Stormwater Management Plan

The aim of the Stormwater Management Plan outlined below is to:

- Prevent or minimise adverse social or environmental impacts from stormwater runoff originating from the proposed development.
- Achieve acceptable levels of stormwater runoff quality and quantity.

The Stormwater Management Plan aims to identify Stormwater Quantity and Quality Best Management Practice for the site and demonstrate that water quantity and quality impacts will be minimised in receiving waters.

The Stormwater Management Plan outlines the site in two sections, the operational phase and the construction phase. The operational phase addresses treatment of contaminated runoff from the developed site by natural methods before discharging into receiving waters whilst the construction phase of the Stormwater Management Plan addresses erosion and sediment control to prevent contamination of water sources by stormwater runoff during construction of the site.

### 5.3 Operational Phase

#### 5.3.1 Proposed Site Drainage

The site has been split into two main sub-catchments – a West and East catchment, identified as Catchments A and B, respectively. There are also three other sub-catchments including the undeveloped land and access roads in the Eastern half of the site, the undeveloped land on the Southern side of the site and the clearwells and sequence batch reactors, identified as Catchments C, D and E, respectively. The catchment locations and extents are shown on MPN Plans 7679-SKC.01-SKC.03 attached in Appendix 2, with excerpt below.

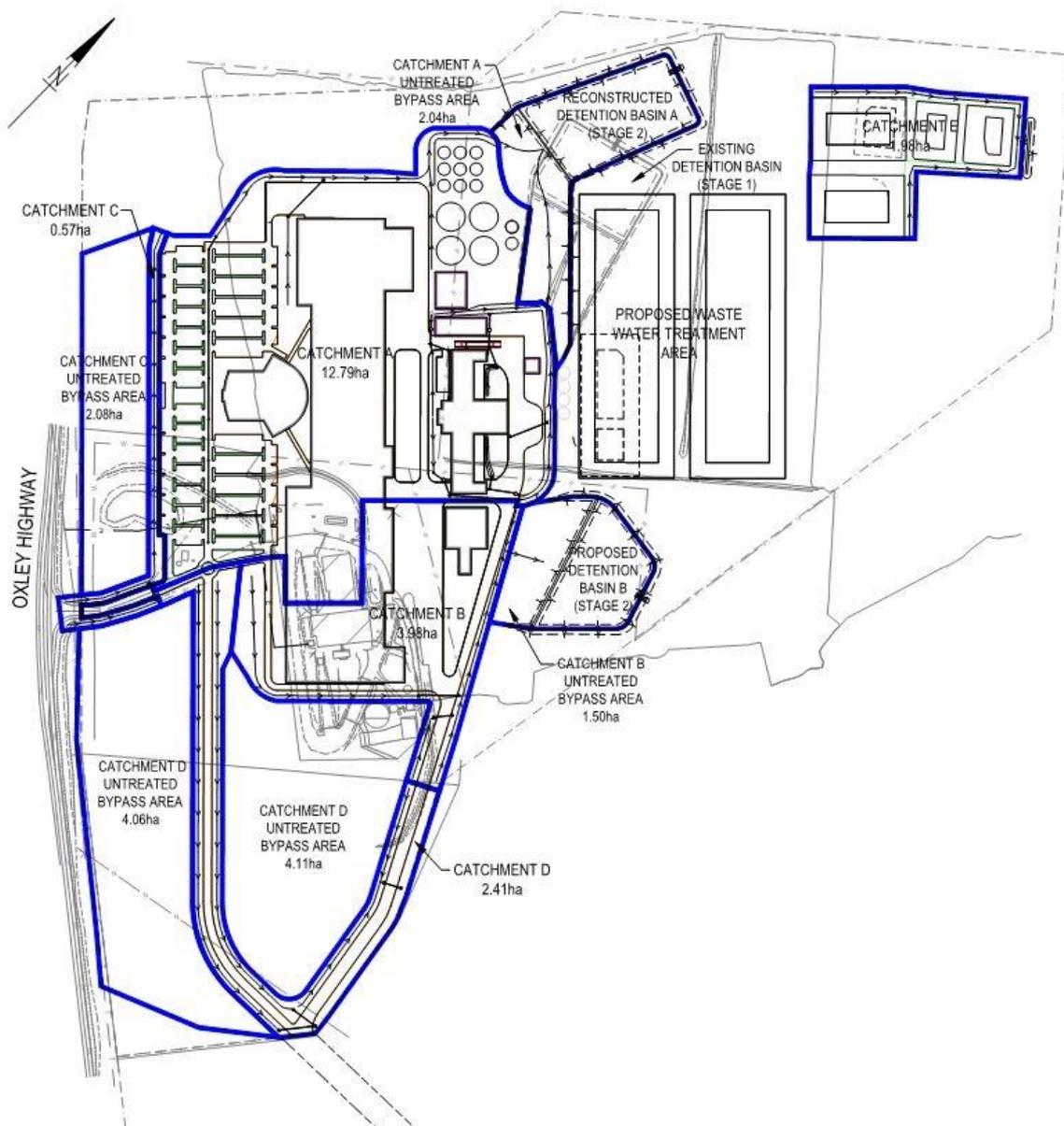


Figure 3 – Proposed Site Catchments

Stormwater runoff from each of the main sub-catchments will be collected and conveyed in a new internal stormwater pit, pipe and open channel network, prior to discharge to two separate treatment/detention basins. Stormwater will discharge from the basins via overland flow across the site boundaries as per existing condition. Litter baskets will also be fitted to the new field inlet pits to capture gross pollutants.

The existing detention basin constructed as part of the previous stage of the development will be removed and reconstructed to the North West of its current position (Basin A). The Eastern basin (Basin B) will be located near the centre of the Eastern boundary of the site.

Stormwater runoff from each of the other sub-catchments will be collected in grassed swales prior to discharge across the site boundaries via overland flow as per existing condition.

The proposed site stormwater infrastructure is shown on MPN Plans 7679-SKC.01-SKC.03 attached in Appendix 3.

### 5.3.2 Stormwater Quantity Management Strategy

For the management of stormwater quantity for the proposed development, a DRAINs computer model was used to calculate the stormwater runoff quantity for the existing and post-development conditions.

In order to limit the site stormwater discharge, stormwater runoff from Catchments A and B will be detained in two separate above ground basins. The basins will be over-sized to cater for the areas which will bypass detention (Catchments C, D and E). The location and configuration of the two basins are shown on MPN Plans 7679-SKC.01-SKC.03 attached in Appendix 3. The properties of the basins are listed in Table 1 below.

Parameter	Detention Basin A	Detention Basin B
Storage (incl. Freeboard)	7,770m <sup>3</sup>	2,500m <sup>3</sup>
Outlet (V-Notch Weir)	2.60m Width @ RL 380.10 1.15m High	2.26m Width @ RL 383.19 1.13m High
Invert Level	RL 378.80	RL 382.15
Q100 Water Level	RL 379.79	RL 382.98
Top of Bund (min)	RL 380.10	RL 383.28
Freeboard	0.31m	0.30m

Table 1 – Detention Basin Properties

Runoff flows for the Annual Recurrence Intervals from 5 to 100 years and durations of 5 minutes to 2 hours were calculated to ensure that peak runoff flows from the proposed development would not exceed peak runoff flows from the existing site. The most critical stormwater events for the site's catchment are compared in Table 2 below.

ARI	Existing Discharge From Site (m <sup>3</sup> /sec)	Proposed Discharge From Site (m <sup>3</sup> /sec)
5	2.32	2.11
10	3.13	2.64
20	4.19	3.37
50	5.50	4.20
100	6.64	5.01

Table 2 – Existing and Proposed Peak Flows with Detention

### 5.3.3 Stormwater Quality Management Strategy

In order to reduce overall post-development pollutant loads and concentrations being discharged from the site, treatment solutions have been provided to remove hydrocarbons, suspended solids and nutrients prior to being discharged from site.

### 5.3.3.1 Potential Pollutants Generated

The pollutants that could be potentially generated as a result of the development use are as follows:

- Litter
- Sediment
- Nutrients (Nitrogen and Phosphorous)
- Hydrocarbons (oils and grease)
- Surfactants
- Pathogens/Faecal Coliforms (bacteria and viruses)

The MUSIC computer modelling program developed by the Co-operative Research Centre for Catchment Hydrology was used to predict the performance of the proposed stormwater treatment train.

At this stage the pollutants modelled in MUSIC are Total Suspended Solids (TSS), Total Phosphorous (TP) and Total Nitrogen (TN).

### 5.3.3.2 Rainfall

The rainfall data used in the model was based on the Bureau of Meteorology data from rainfall station 55054 Tamworth Airport. The model was run from 16 August 1958 to 31 December 1992. The modelling time step was 6 minutes.

### 5.3.3.3 Rainfall Runoff Properties

The rainfall runoff properties listed in Table 3 below were adopted for the MUSIC modelling undertaken for the development.

PARAMETER	VALUE		
	Roof	Road	Ground Level
Rainfall Threshold (mm)	0.3	1.5	1.5
Soil Storage Capacity (mm)	100	100	100
Initial Storage (% of capacity)	25	25	25
Field Capacity (mm)	87	87	87
Infiltration Capacity Co-efficient a	250	250	250
Infiltration Capacity Co-efficient b	1.3	1.3	1.3
Initial Depth (mm)	10	10	10
Daily Recharge Rate (%)	60	60	60
Daily Base Flow Rate (%)	45	45	45
Deep Seepage (%)	0	0	0

Table 3 - MUSIC Rainfall Runoff Parameters

#### 5.3.3.4 Pollutant Export Parameters

The adopted Pollutant Export Parameters for each source node type are presented in Table 4 below.

Runoff pollutant concentrations are generated stochastically from the defined mean and standard deviation.

		Log10 TSS (mg/L)		Log10 TP (mg/L)		Log10 TN (mg/L)	
		Base Flow	Storm Flow	Base Flow	Storm Flow	Base Flow	Storm Flow
Roof	Mean	0	1.30	0	-0.89	0	0.30
	Std. Dev.	0	0.32	0	0.25	0	0.19
Roads	Mean	0	2.43	0	-0.30	0	0.34
	Std. Dev.	0	0.32	0	0.25	0	0.19
Ground Level	Mean	1.20	3.00	-0.85	-0.30	0.11	0.34
	Std. Dev.	0.17	0.32	0.19	0.25	0.12	0.19

Table 4 – Pollutant Export Parameters

#### 5.3.3.5 Water Quality Objectives

In the absence of specific Water Quality Objectives from Tamworth Regional Council, the industry standard pollutant reduction targets listed in Table 5 below have been adopted.

WATER QUALITY OBJECTIVES				
Total Suspended Solids (TSS) % Reduction	Total Nitrogen (TN) % Reduction	Total Phosphorous (TP) % Reduction	Litter/ Gross Pollutants % Reduction	Oils/ Grease
85	45	65	90	No visible films or odours

Table 5 – Water Quality Objectives

#### 5.3.3.6 Treatment Plan

In order to achieve the pollutant load reduction targets for the development, it is proposed to use mechanical and natural treatment methods to treat the runoff prior to discharge from the site.

Stormwater runoff from Catchments A and B will be treated by GPTs prior to discharging via swales to the detention basins.

Stormwater runoff from catchments C, D and E will be treated by swales.

The treatment plan for the site is depicted on MPN Plans 7679-SKC.01-SKC.03, attached in Appendix 3, with MUSIC excerpt shown below.

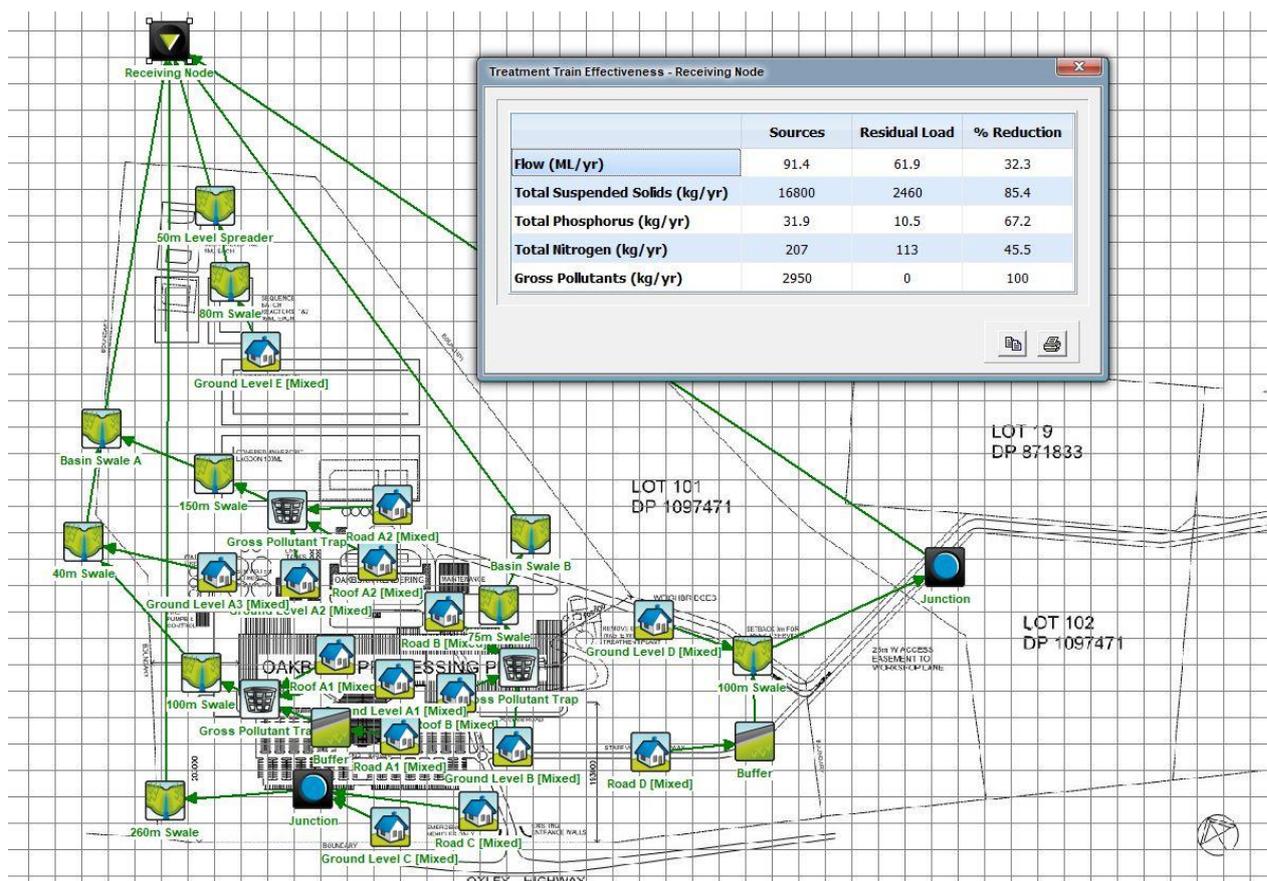


Figure 4 – Treatment Plan

5.3.3.7 MUSIC Results

The resulting percentage-based load reductions at the site outlet is shown in Table 6 below, together with the Water Quality Objectives for the receiving waters.

	Sources	Residual Load	% Reduction	Target %
Total Suspended Solids (kg/yr)	16,800	2,460	85.4	85
Total Phosphorous (kg/yr)	31.9	10.5	67.2	65
Total Nitrogen (kg/yr)	207	113	45.5	45
Gross Pollutants (kg/yr)	2,950	0	100	90

Table 6 – Percentage Based Load Reduction Results

5.3.3.8 POD Pollutant Reduction

5.3.3.8.1 Litter

Rubbish bins will be located within the development buildings and car parks for use by staff and visitors. As a result of this and with the installation of the GPTs and swales, levels of litter exiting the site via stormwater are expected to be negligible.

5.3.3.8.2 Sediment

The TSS outflow is identified in Table 6 above. As can be seen the pollutant load reduction achieves the Water Quality Objectives. The TSS level is therefore considered acceptable.

#### 5.3.3.8.3 Nitrogen and Phosphorous

The TN and TP loads are identified in the above Table 6. As can be seen the TN and TP loads leaving the site achieve the Water Quality Objectives. Significant reductions in Nitrogen and Phosphorous have been achieved. The Nitrogen and Phosphorous residual loads are therefore considered acceptable.

#### 5.3.3.8.4 Hydrocarbons

Hydrocarbons will be digested and processed by soil microorganisms within the swales and attachment to vegetation where biological breakdown of the hydrocarbons can occur. Hydrocarbons will also be captured within the GPTs.

#### 5.3.3.8.5 Surfactants

If car or truck washing occurs on site it will be within a bunded area where surfactants will be captured and treated prior to discharging into the stormwater network.

#### 5.3.3.8.6 Heavy Metals

Heavy metals in stormwater runoff generally become attached to fine sediment. The swales will remove the majority of this fine sediment. The removal of the fine sediment should effectively remove most of the heavy metals in the runoff.

#### 5.3.3.8.7 Pathogen/ Faecal Coliforms

Domestic animals within the development will be under the control of their owners at all times and the owners will be expected to clean up after them.

### 5.3.3.9 Proposed Stormwater Quality Treatment Devices

#### 5.3.3.9.1 Locations

The location of the proposed stormwater quality treatment devices is shown on MPN Plans 7679-SKC.01-SKC.03, attached in Appendix 3.

#### 5.3.3.9.2 Device and Size

The device type and sizes are shown on MPN Plan 7679-SKC.01-SKC.03, attached in Appendix 3.

## 5.3.4 Construction Phase (Sediment and Erosion Control)

### 5.3.4.1 Intent of Erosion and Sediment Control Management Plan

To prevent stormwater contamination (of watercourses) and the release of contaminated stormwater and wastewater by ensuring compliance with the Protection of the Environment Operations Act 1997.

### 5.3.4.2 Implementation Strategy

Establish control measures and best practice approaches to prevent stormwater contamination and minimise the risk and adverse effects of erosion and sedimentation. All Erosion and Sediment Control measures must be designed, constructed and maintained in a manner that is commensurate with the site's erosion risk.

### 5.3.4.3 Erosion and Sediment Control Measures

- Obtain a license or approval to operate activities that are classed as environmental relevant activities (i.e. they have the potential to cause environmental harm).
- Implement and maintain appropriate control measures to prevent sediment laden wastewater and other potential pollutants such as oil, paint and wet concrete from entering the stormwater system via stormwater drains and gullies. The control measures which must be considered to be adopted are:

- Limitation of site access during construction to minimise disruption to traffic. Install a temporary construction entry/ exit sediment trap at all site accesses to minimise mud and sediment from the site being tracked onto public road, particularly during wet weather or when the site is muddy.
- Install and maintain appropriate sediment fences around construction areas.
- Divert clean stormwater runoff, using catch drains, around construction areas to existing or new stormwater drainage system.
- Install sandbags and other pollution containment devices around stormwater drains and any other locations where required to prevent sediment entering the trunk stormwater system.
- Cover open earth/ soil areas progressively (with concrete slabs and pavements or mulch) to minimise areas of bare earth/ soil.
- Any stockpiles of excavated soil and demolition/ construction waste must be located where risk of erosion and sedimentation is minimal, and must be protected from wind and water erosion.
- Implement and maintain appropriate control measures such as catch drains and sediment fences to prevent ponding of stormwater or discharge of stormwater from the site to adjacent properties.
- Provision of spill/ pollution control equipment that is readily accessible to clean up spills and leaks.
- Ensure spill/ pollution control measures are available and maintained in working condition.
- Sediment contained by the sediment control devices such as sandbags, sediment fences and containment bunds must be frequently removed and placed in a controlled area.
- Implement an inspection schedule for any spill or leaks of any potential polluting areas or activities.

#### 5.3.4.4 Erosion and Sediment Control Management Goals

- Licenses, approvals, permits and inspection reports are in order.
- Sediment or pollution control devices such as sandbags, sediment fences and containment bunds are in place, maintained and effective.
- Spill/ pollution control equipment is readily accessible at designated locations.
- No accumulated sediment is contained by the sediment control devices such as hay bales, sediment fences and containment bunds.
- No sediment exceeding a depth of 300mm in the pollution control devices (e.g. silt trap).

#### 5.3.4.5 Erosion and Sediment Control Implementation Program

- Licenses, permits or approvals for each environmentally relevant activity must be obtained prior to the commencement of the particular activity.
- Appropriate control measures such as sediment fences, temporary construction entry/ exit sediment traps, pollution containment devices (e.g. sandbags), stormwater diversion and administrative controls must be installed and established prior to commencement of the earthworks and construction activities.
- Pollution control devices such as spill control equipment must be inspected on a regular basis (at least weekly).
- Other sediment and pollution control equipment such as containment bunds, hay bales and sediment fences must be inspected on a regular basis (at least daily).
- Inspection for any leaks, spills or potential contaminating activity must be performed on a regular basis (at least daily).

- Remove accumulated sediment or other contaminants from sediment/ pollution control devices on a regular basis.
- All erosion and sediment control measures must be inspected within 24 hours of expected rain and within 18 hours of a rainfall event.

#### 5.3.4.6 Responsible Person or Organisation

The contractor shall be responsible for the implementation and maintenance of the Erosion and Sediment Control Measures.

#### 5.3.4.7 Reporting/ Review

Records such as licenses, approvals, permits and inspection reports must be reviewed on a regular basis (e.g. at least monthly) to ensure that legal compliance is met, complaints are reviewed and systems are working to prevent contamination.

#### 5.3.4.8 Corrective Actions

- Perform clean-up of any spills immediately.
- Any mud or sediment which is tracked onto public roads is to be immediately removed using dry clean-up methods (i.e. shovel and broom).
- Remove or relocate any stockpiles of waste where there is a reasonable risk of erosion and sedimentation.
- Replace or repair sediment or pollution control devices if they are not maintained in good working condition.

## 6 CONCLUSION

This Stormwater Management Plan demonstrates that under the proposed concept plan, stormwater quality and quantity treatment is achievable to the levels required by Tamworth Regional Council and Industry Best Management Practice.

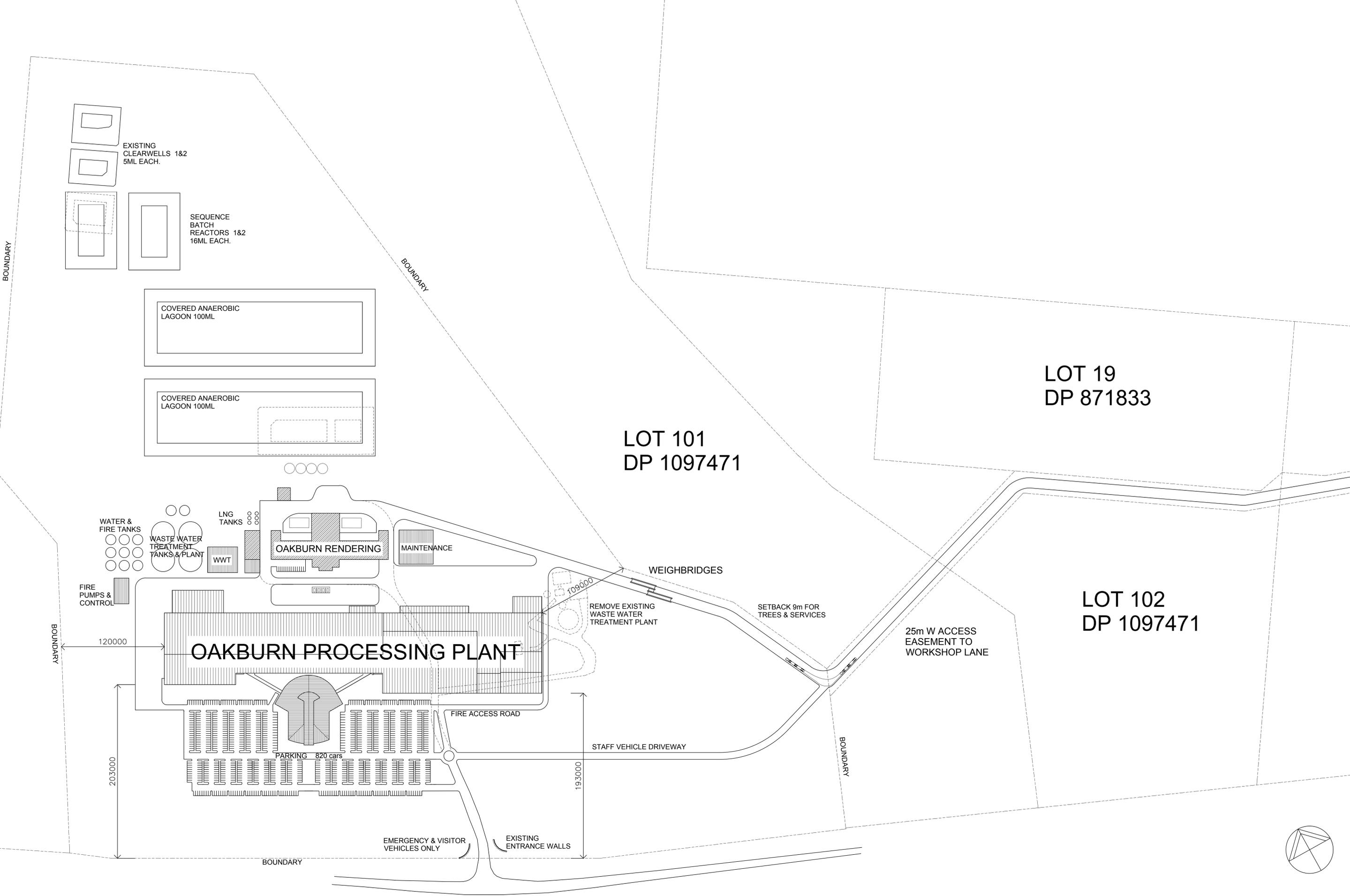
## 7 LIMITATIONS OF REPORT

MPN have prepared this report for the proposed extension to the Oakburn Processing Plant in accordance with MPN's proposal to Baiada Poultry Pty Ltd. This report is provided for the exclusive use of Baiada Poultry Pty Ltd for this specific project and its requirements. It should not be used or relied upon by a third party and MPN accept no responsibility for the use of this report by any party other than Baiada Poultry Pty Ltd.

3 June 2019

**mpn** consulting

**Appendix 1  
Architectural Plans**

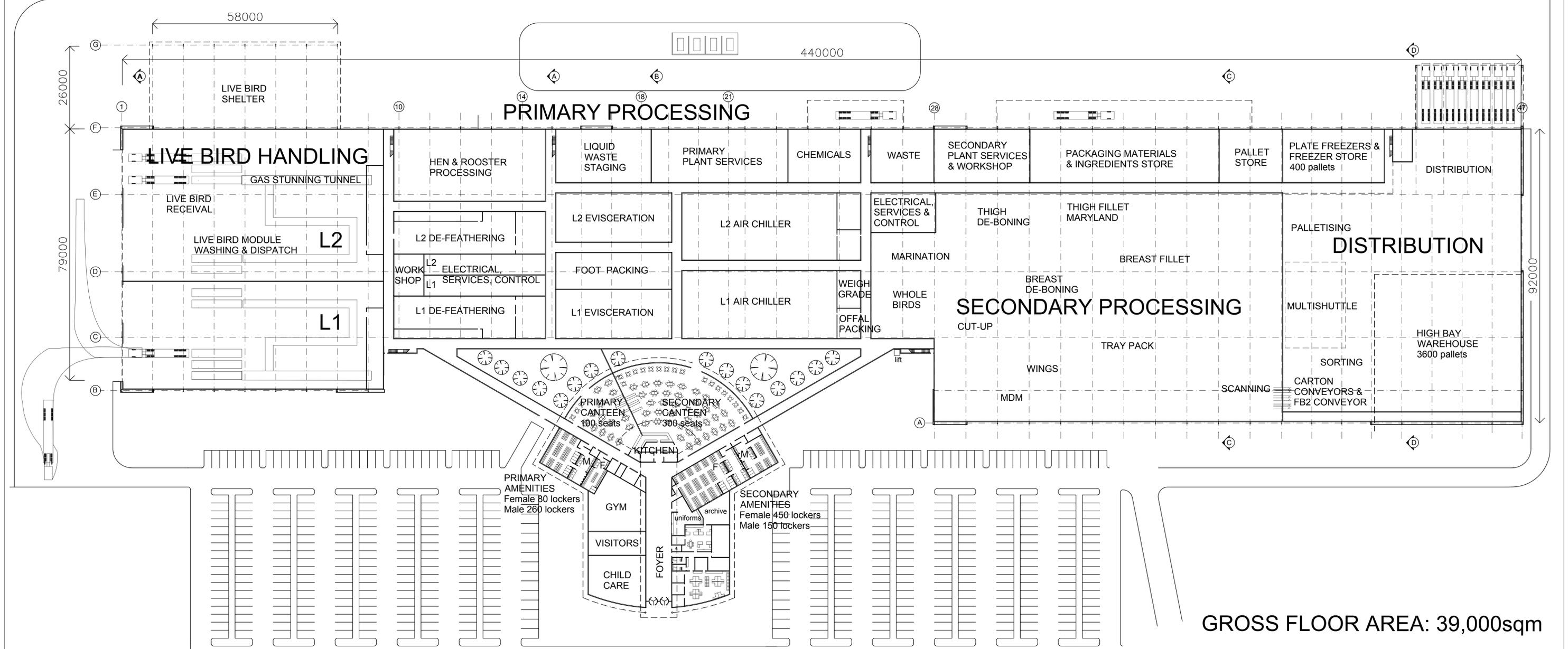
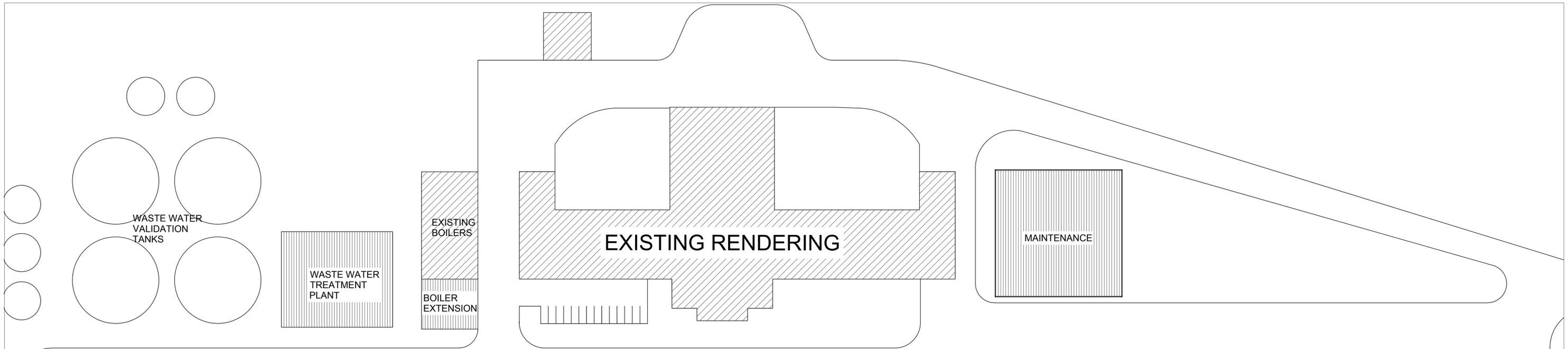


**OAKBURN PROCESSING PLANT  
SITE PLAN - Lot 100 DP1097471**

SCALE: 1:4000 @ A3

0m 100m

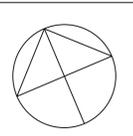
181218 OPP\_3.0\_Site Plan



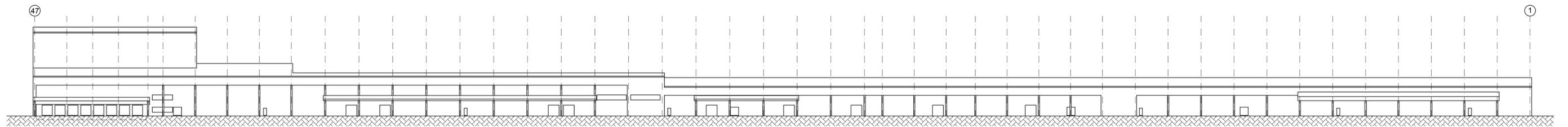
GROSS FLOOR AREA: 39,000sqm



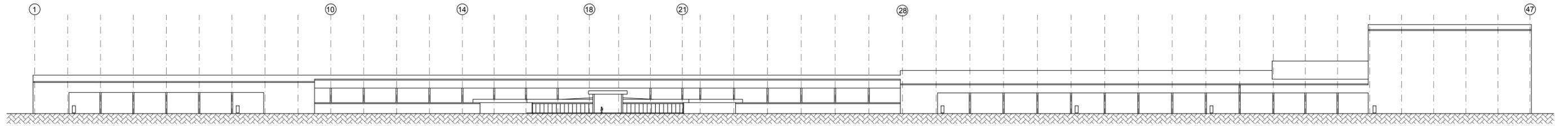
**BAIADA POULTRY**  
**OAKBURN PROCESSING PLANT**  
**PROCESSING FLOOR PLAN**



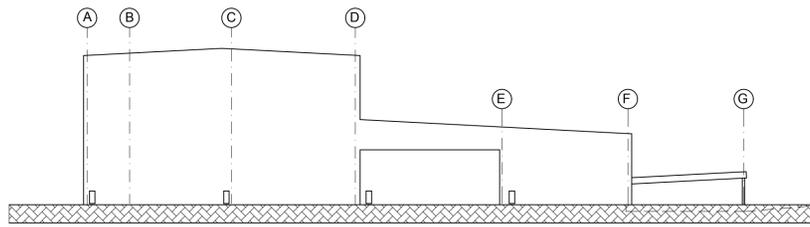
0m 25m  
 SCALE 1:600 A1  
 181218\_OPP 3.0\_DWGS



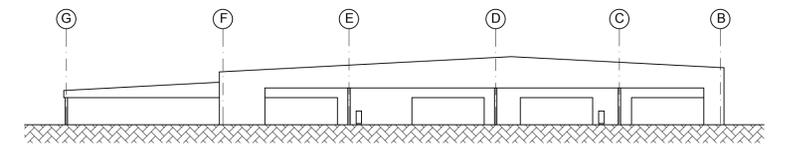
**NORTH ELEVATION** SCALE: 1:600 @ A1



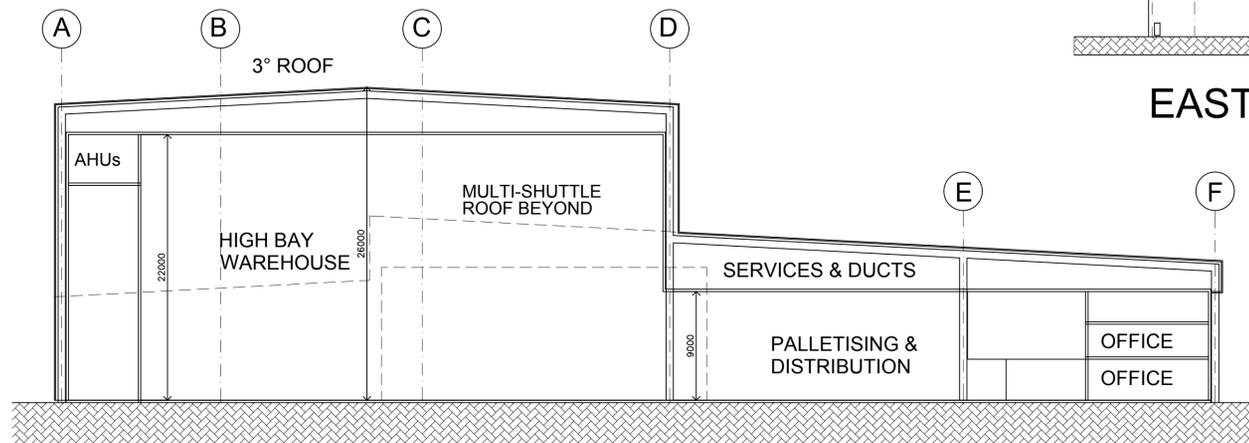
**SOUTH ELEVATION** SCALE: 1:600 @ A1



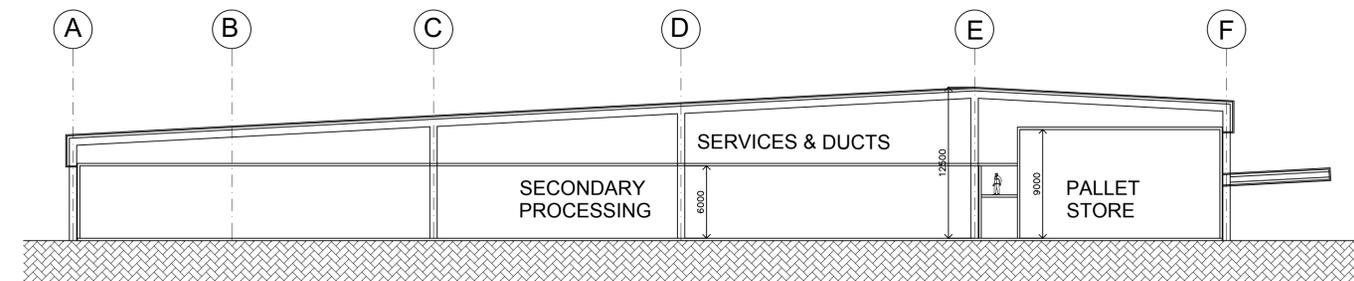
**EAST ELEVATION** SCALE: 1:600 @ A1



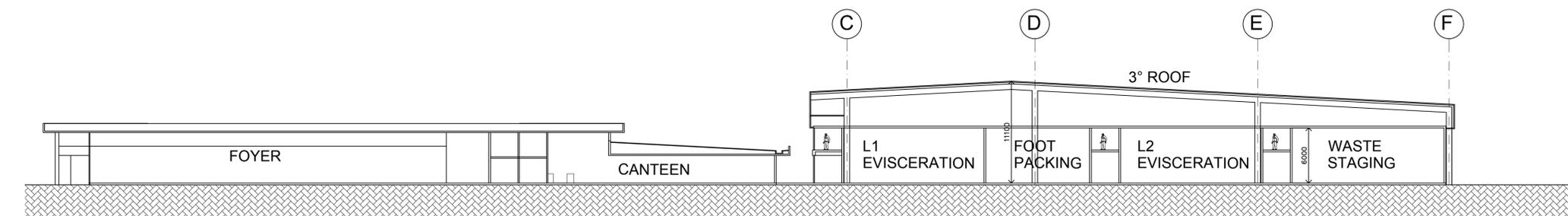
**WEST ELEVATION** SCALE: 1:600 @ A1



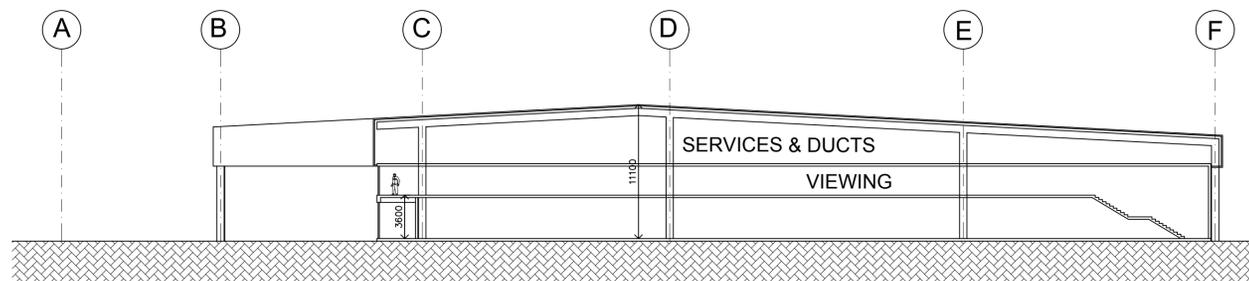
**SECTION D** SCALE: 1:300 @ A1



**SECTION C** SCALE: 1:300 @ A1



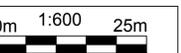
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**SECTION A** SCALE: 1:300 @ A1



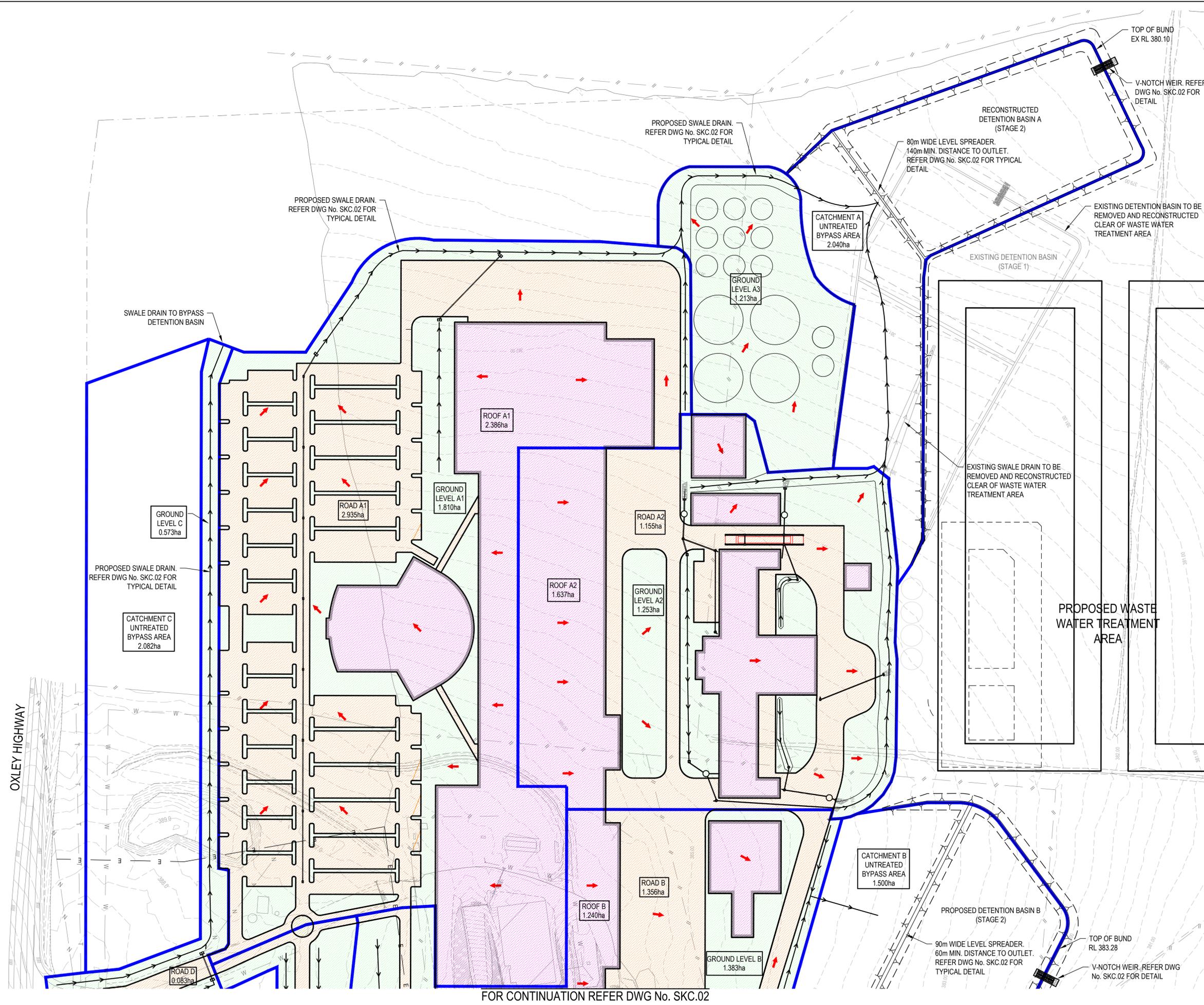
**BAIADA POULTRY  
OAKBURN PROCESSING PLANT  
SECTIONS & ELEVATIONS**



SCALE AS NOTED

181218\_OPP 3.0\_DWGS



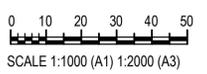


**LEGEND**

- PROPOSED BUILDING
- PROPOSED CONCRETE
- PROPOSED BARRIER KERB
- PROPOSED KERB AND CHANNEL
- PROPOSED STORM WATER MAIN
- PROPOSED TOP OF BATTER
- PROPOSED TOE OF BATTER
- PROPOSED CATCHMENT BOUNDARY
- PROPOSED SWALE DRAIN
- PROPOSED FLOW DIRECTION
- PROPOSED ROOF AREA
- PROPOSED HARDSTAND AREA
- PROPOSED GROUND LEVEL AREA

FOR CONTINUATION REFER DWG No. SKC.03

**NOTE:**  
LITTER BASKETS TO BE FITTED TO FIELD INLETS LOCATED IN THE CAR PARK AREAS.



ISSUE	DATE	AMENDMENT	BY	APP
D	03.06.19	ISSUE FOR APPROVAL	KC	MH
C	29.04.19	ISSUE FOR APPROVAL	KC	MH
B	22.01.19	ISSUE FOR APPROVAL	KC	MH
A	31.07.18	ISSUE FOR APPROVAL	ND	MH

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 P: 61 7 3335 4555  
 F: 61 7 3371 3196  
 E: solutions@mpnc.net.au

CLIENT: **PSA CONSULTING AUSTRALIA**

**OAKBURN PROTEIN RECOVERY PLANT**

Oxley Highway  
TAMWORTH, NSW, 2340

**STORMWATER CATCHMENT PLAN  
STAGE 2 - SHEET 1**

DESIGN: ND	DRAWN: ND	SCALE: AS SHOWN
CHKD:	APPRD:	DATE:

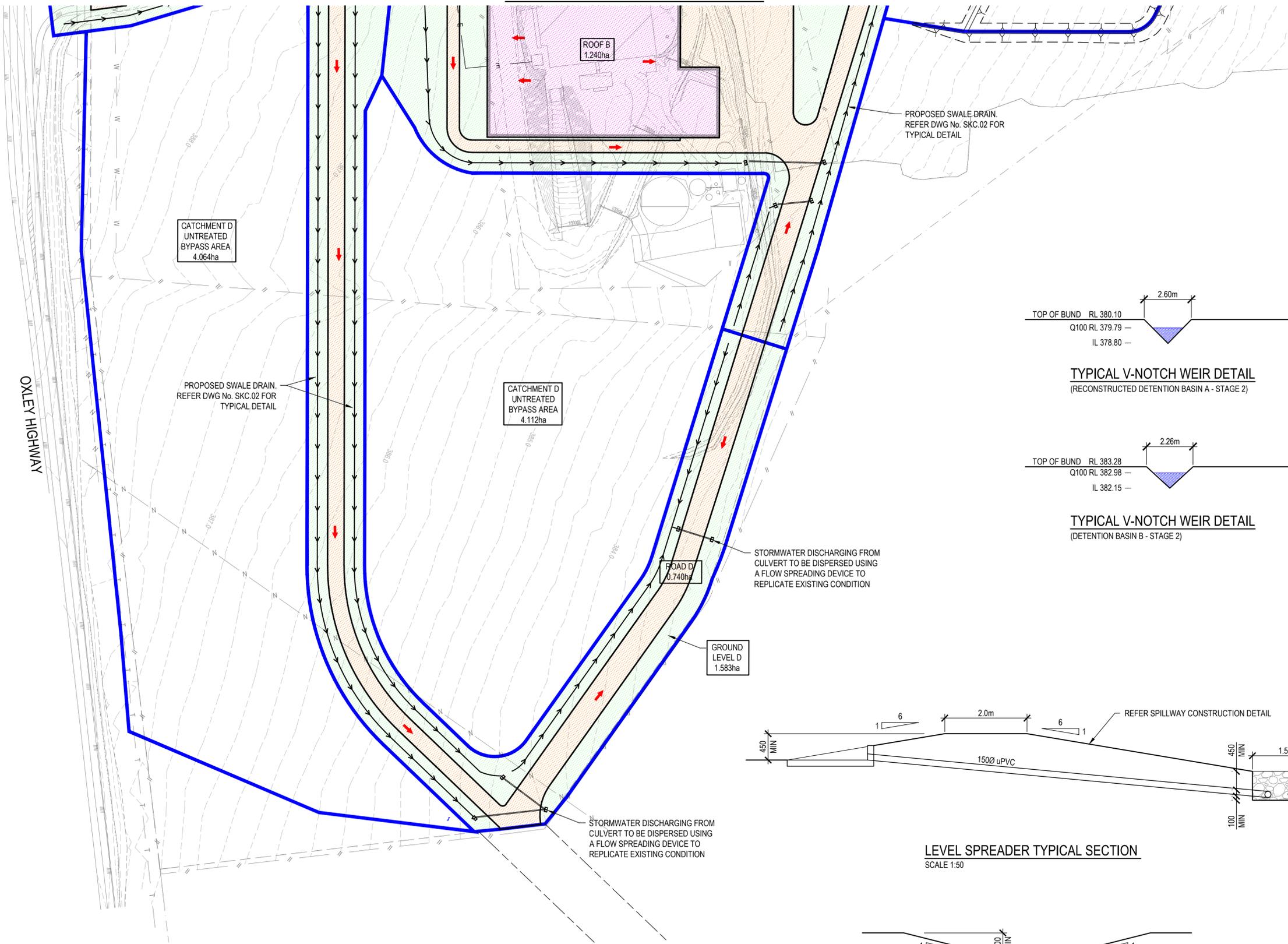
mpn JOB	DRAWING No.	REV
<b>7679</b>	<b>SKC.01</b>	<b>D</b>

**FOR APPROVAL**

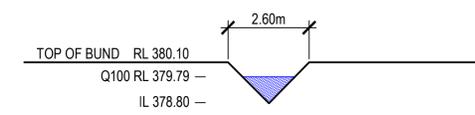
**NOT FOR CONSTRUCTION**

FOR CONTINUATION REFER DWG No. SKC.02

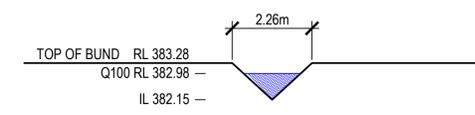
FOR CONTINUATION REFER DWG No. SKC.01



LEGEND	
PROPOSED BUILDING	[Symbol]
PROPOSED CONCRETE	[Symbol]
PROPOSED BARRIER KERB	[Symbol]
PROPOSED KERB AND CHANNEL	[Symbol]
PROPOSED STORM WATER MAIN	[Symbol]
PROPOSED TOP OF BATTER	[Symbol]
PROPOSED TOE OF BATTER	[Symbol]
PROPOSED CATCHMENT BOUNDARY	[Symbol]
PROPOSED SWALE DRAIN	[Symbol]
PROPOSED FLOW DIRECTION	[Symbol]
PROPOSED ROOF AREA	[Symbol]
PROPOSED HARDSTAND AREA	[Symbol]
PROPOSED GROUND LEVEL AREA	[Symbol]

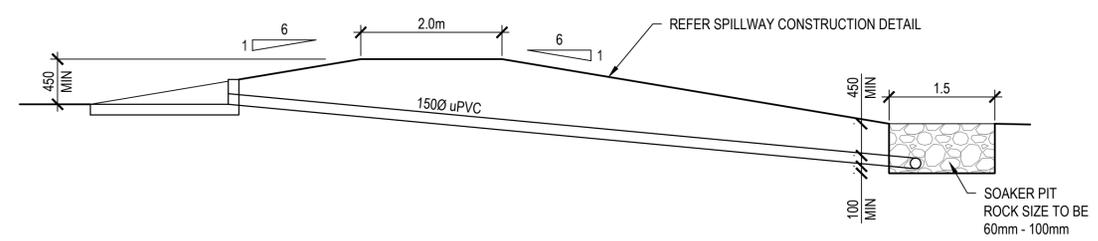
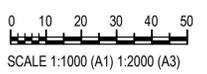


TYPICAL V-NOTCH WEIR DETAIL  
(RECONSTRUCTED DETENTION BASIN A - STAGE 2)

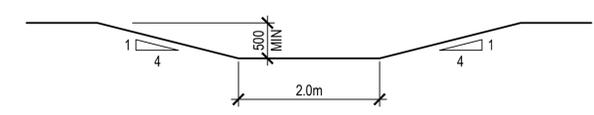


TYPICAL V-NOTCH WEIR DETAIL  
(DETENTION BASIN B - STAGE 2)

NOTE:  
LITTER BASKETS TO BE FITTED  
TO FIELD INLETS LOCATED IN  
THE CAR PARK AREAS.



LEVEL SPREADER TYPICAL SECTION  
SCALE 1:50



SWALE DRAIN TYPICAL SECTION  
SCALE 1:50

ISSUE	DATE	AMENDMENT	BY	APP
D	03.06.19	ISSUE FOR APPROVAL	KC	MH
C	29.04.19	ISSUE FOR APPROVAL	KC	MH
B	22.01.19	ISSUE FOR APPROVAL	KC	MH
A	31.07.18	ISSUE FOR APPROVAL	ND	MH

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 F: 61 7 3371 3196  
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CLIENT: **PSA CONSULTING AUSTRALIA**

**OAKBURN PROTEIN RECOVERY PLANT**

OXLEY HIGHWAY  
TAMWORTH, NSW, 2340

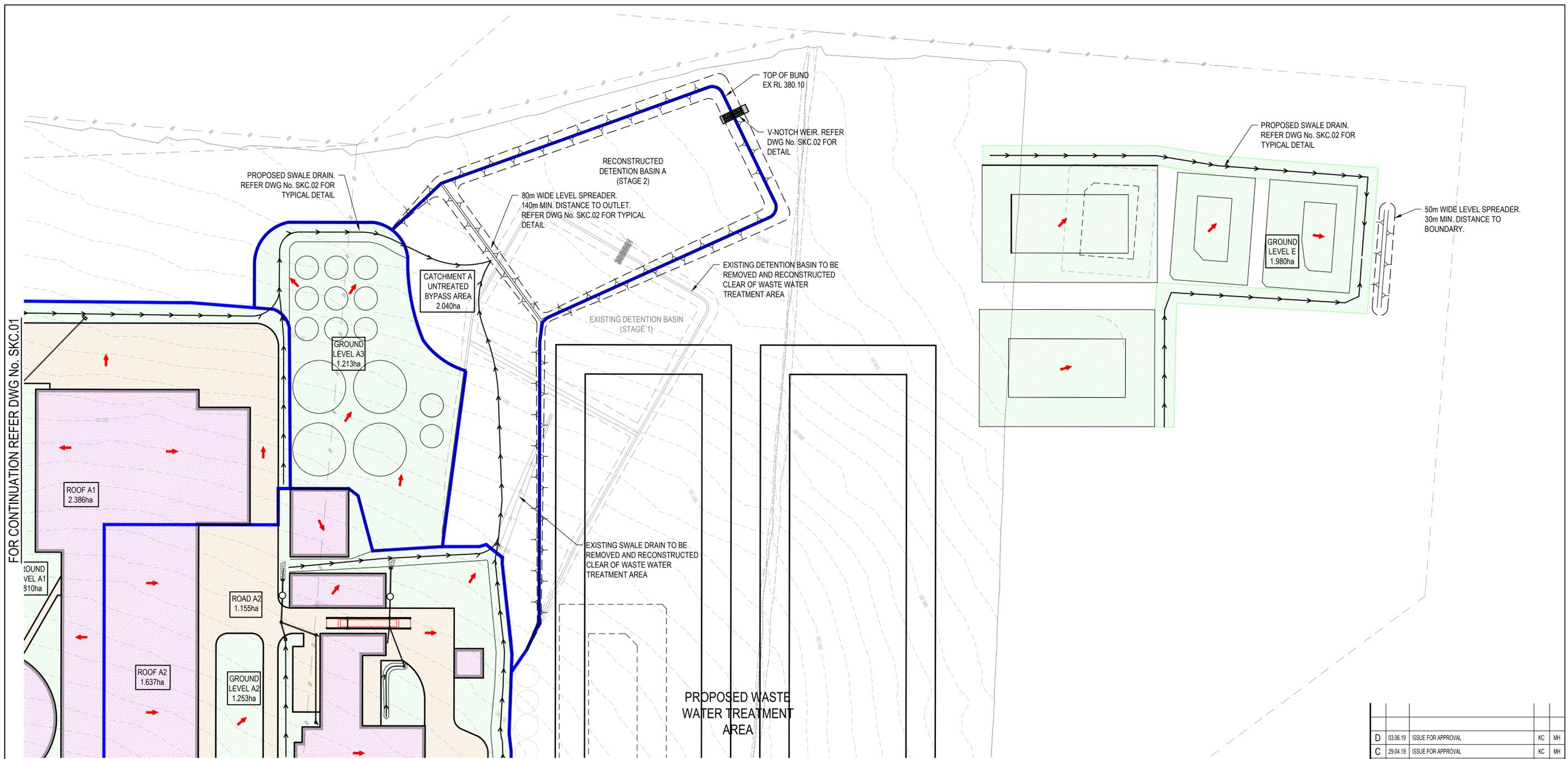
**STORMWATER CATCHMENT PLAN  
STAGE 2 - SHEET 2**

DESIGN: ND	DRAWN: ND	SCALE: AS SHOWN
CHKD:	APPRD:	DATE:

mpn JOB	DRAWING No.	REV
<b>7679</b>	<b>SKC.02</b>	<b>D</b>

**FOR APPROVAL**

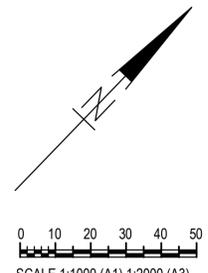
NOT FOR CONSTRUCTION



FOR CONTINUATION REFER DWG No. SKC.01

**LEGEND**

PROPOSED BUILDING	
PROPOSED CONCRETE	
PROPOSED BARRIER KERB	
PROPOSED KERB AND CHANNEL	
PROPOSED STORM WATER MAIN	
PROPOSED TOP OF BATTER	
PROPOSED TOE OF BATTER	
PROPOSED CATCHMENT BOUNDARY	
PROPOSED SWALE DRAIN	
PROPOSED FLOW DIRECTION	
PROPOSED ROOF AREA	
PROPOSED HARDSTAND AREA	
PROPOSED GROUND LEVEL AREA	



**NOTE:**  
LITTER BASKETS TO BE FITTED TO FIELD INLETS LOCATED IN THE CAR PARK AREAS.

ISSUE	DATE	AMENDMENT	BY	APP
D	03.06.19	ISSUE FOR APPROVAL	KC	MH
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CLIENT:

**OAKBURN PROTEIN RECOVERY PLANT**

Oxley Highway  
TAMWORTH, NSW, 2340

**STORMWATER CATCHMENT PLAN  
STAGE 2 - SHEET 3**

DESIGN: ND	DRAWN: ND	SCALES: AS SHOWN
CHKD:	APPRD:	DATE:

mpn JOB	DRAWING No.	REV
<b>7679</b>	<b>SKC.03</b>	<b>D</b>

**FOR APPROVAL**

**NOT FOR CONSTRUCTION**

# APPENDIX K

## Water and Energy Efficiency Program



**Baiada**

## Standard Operating Procedure

### **Oakburn - Water and Energy Efficiency Program**

**1. Purpose**

To manage water and Energy use on site in such a manner that the environment is protected from harm, and promote water and energy minimisation and reuse where possible.

**2. Scope**

All water and energy used from site processing activities

**3. Objectives**

To minimise water and energy use for the site. For the site to be as Energy and Water efficient as possible.

**4. Responsibilities**

The Site Manager is responsible for supplying suitable resources, coordinating, facilitating and implementing this procedure.

The Supervisors are responsible for implementing and complying with this procedure in their relevant work areas.

All Site Staff are responsible for complying with this procedure in their relevant work areas. The Site Service Providers are responsible for providing a service in line with this procedure.

**5. References / Records**

REF NO.	DOCUMENT TITLE	DOCUMENT NO.
1	Environment and Sustainability Policy	BAI-POL-011-NAT
2	Protection of Environment Operations Act 1997	
3	Environmental Protection Licence 7566	
4	All relevant Development Approvals and Associated EIS and SEE	
5	Oakburn EMS Hub KPI Data	LOCATED ON THE OAKBURN SERVER
6	Oakburn KPI's Current Financial year	LOCATED ON THE OAKBURN SERVER
7	Annual KPI Monitoring Reports	LOCATED ON THE OAKBURN SERVER

**6. Definitions**

Nil

Prepared By:	Sherilee Stewart	Oakburn Admin and Compliance	Date: 18/10/2018
Checked By:	Ravikumar Samynathan	Oakburn Admin and Compliance	Date: 30/07/2019
Authorised By	Paul Grima	Manager	Date: 30/07/2019
Template No:	BAI-TMP-002-NAT	Issue No: 7	Issue Date: 31/08/2018



**Baiada**

## Standard Operating Procedure

# Oakburn - Water and Energy Efficiency Program

CONTROLLED

Doc No: REN-SOP-206-OAK

Issue No: 4

Issue Date: 30/07/2019

### 7. Procedure

#### 7.1. Weekly Tracking of Energy Use

Energy use for the week shall be tracked for both forms of gas used on the site, LNG and Reticulated Natural Gas and also Electricity used. This will involve weekly readings of the Gas Tanks / Natural Gas Meter and Electricity Metering.

Tracking of the weekly usage of these Energy Forms will be recorded against the Tonnes of Raw Material Received. This information is tracked, graphed and monitored against a standard amount.

#### 7.2. Weekly Tracking of Water Use

Water use for the week shall be tracked for both the High Temperature and Low Temperature Sides of the processing Area by taking High Temp and Low Temp Meter readings weekly and also the main water line weekly

Tracking of the weekly usage of each water streams will be recorded against the Tonnes of Raw Material Received. This information is tracked, graphed and monitored against a Annual Target.

#### 7.3. Management of Water and Energy Efficiency Programs

Water and Energy Efficiency Site improvements will be managed through the Site Environmental Management Plans. EMP's will be reviewed bi-monthly and new items added as required based on risk assessments performed for the site.

#### 7.4. Current Site Energy Efficiency Programs

Auditing procedures have indicated that methods used in the new plant design have substantially improved the energy efficiency of the new plant compared to the old plant

- Energy Efficient Lighting
- VSD installed on large motor's
- Energy efficient motors where possible.
- Use of Low Temperature processing methods on Offal Line.

#### 7.5. Future Projects

The site is currently reviewing options for improved Gas and Energy Efficiency through initially optimisation of existing equipment then better use of waste heat generated by the site. This will be in progress over the next 12-18 months.

### 8. Monitoring

Weekly stocktake shall be performed and the tracking of Weekly Energy (Gas and Electricity) and Water use shall be performed on the Site KPI Spreadsheet (Located on the Oakburn Server). This information is to be monitored as part of the Management Review Meetings and weekly Management Reporting.

An Annual KPI report is written to confirm performance against Annual targets and areas where improvements can be made. Targets are reviewed annually for Gas, Water and Electricity Usages.

Prepared By:	Sherilee Stewart	Oakburn Admin and Compliance	Date: 18/10/2018
Checked By:	Ravikumar Samynathan	Oakburn Admin and Compliance	Date: 30/07/2019
Authorised By	Paul Grima	Manager	Date: 30/07/2019
Template No:	BAI-TMP-002-NAT	Issue No: 7	Issue Date: 31/08/2018



**Baiada**

## Standard Operating Procedure

# Oakburn - Water and Energy Efficiency Program

CONTROLLED

Doc No: REN-SOP-206-OAK

Issue No: 4

Issue Date: 30/07/2019

### 9. Corrective Actions

Graphs are to be reviewed on a weekly basis and where results are found to be substantially different from previous weeks corrective actions should be taken. This will involve review of the area where the change has occurred and checking equipment and processes that may have affected the result. Maintenance or replacement of equipment or processes may be necessary.

KPI targets are reviewed annually and changes are modified as appropriate after the review.

### 10. Verification

Graphs are reviewed weekly and corrective actions taken as appropriate.

### 11. Appendices

AM ME ND ME NT HI	Appendix No	Title	No. of Pages
	1	Nil	
	2		

#### STORY

**Updated July 2019** – Updated to add in location of KPI storage information as required from IEA 2019.

Prepared By:	Sherilee Stewart	Oakburn Admin and Compliance	Date: 18/10/2018
Checked By:	Ravikumar Samynathan	Oakburn Admin and Compliance	Date: 30/07/2019
Authorised By	Paul Grima	Manager	Date: 30/07/2019
Template No:	BAI-TMP-002-NAT	Issue No: 7	Issue Date: 31/08/2018

# APPENDIX L

## Wastewater Discharge Data

WATER USAGE OAKBURN DISCHARGE WATER FLOWS					WATER USAGE OAKBURN DISCHARGE WATER FLOWS				
Week No.	Day	Date	Meter In	Discharge To Sewer	Week No.	Day	Date	Meter In	Discharge To Sewer
<b>38</b>	Mon	16-Mar	454,976	691	<b>43</b>	Mon	20-Apr	469,664	579
	Tue	17-Mar	455,102	126		Tue	21-Apr	469,818	154
	Wed	18-Mar	455,565	463		Wed	22-Apr	470,255	437
	Thu	19-Mar	456,101	536		Thu	23-Apr	470,693	438
	Fri	20-Mar	456,550	449		Fri	24-Apr	471,213	520
	Sat	21-Mar	457,120	570		Sat	25-Apr	471,566	353
	Sun	22-Mar	457,660	450		Sun	26-Apr	471,710	144
<b>Total flows for the week</b>			<b>3,045</b>		<b>Total flows for the week</b>			<b>2,625</b>	
<b>39</b>	Mon	23-Mar	458,365	705	<b>44</b>	Mon	27-Apr	471,915	205
	Tue	24-Mar	458,628	263		Tue	28-Apr	472,017	102
	Wed	25-Mar	459,158	530		Wed	29-Apr	472,310	293
	Thu	26-Mar	459,625	467		Thu	30-Apr	472,772	462
	Fri	27-Mar	460,155	530		Fri	01-May	473,177	405
	Sat	28-Mar	460,663	508		Sat	02-May	473,418	241
	Sun	29-Mar	461,250	587		Sun	03-May	473,499	81
<b>Total flows for the week</b>			<b>3,920</b>		<b>Total flows for the week</b>			<b>1,789</b>	
<b>40</b>	Mon	30-Mar	461,704	454	<b>45</b>	Mon	04-May	473,702	203
	Tue	31-Mar	461,976	272		Tue	05-May	473,788	86
	Wed	01-Apr	462,488	512		Wed	06-May	473,943	155
	Thu	02-Apr	463,070	582		Thu	07-May	474,172	229
	Fri	03-Apr	463,696	626		Fri	08-May	474,495	323
	Sat	04-Apr	464,225	529		Sat	09-May	474,872	377
	Sun	05-Apr	464,675	450		Sun	10-May	474,960	88
<b>Total flows for the week</b>			<b>3,215</b>		<b>Total flows for the week</b>			<b>1,461</b>	
<b>41</b>	Mon	06-Apr	465,222	547	<b>46</b>	Mon	11-May	474,960	0
	Tue	07-Apr	465,278	56		Tue	12-May	475,312	352
	Wed	08-Apr	465,700	422		Wed	13-May	475,489	177
	Thu	09-Apr	465,959	259		Thu	14-May	475,695	206
	Fri	10-Apr	466,312	353		Fri	15-May	475,940	245
	Sat	11-Apr	466,396	84		Sat	16-May	476,332	392
	Sun	12-Apr	466,550	154		Sun	17-May	476,459	127
<b>Total flows for the week</b>			<b>2,085</b>		<b>Total flows for the week</b>			<b>1,499</b>	
<b>42</b>	Mon	13-Apr	467,002	452	<b>47</b>	Mon	18-May	476,459	0
	Tue	14-Apr	467,047	45		Tue	19-May	476,714	255
	Wed	15-Apr	467,543	496		Wed	20-May	476,918	204
	Thu	16-Apr	467,893	350		Thu	21-May	477,129	211
	Fri	17-Apr	468,400	507		Fri	22-May	477,347	218
	Sat	18-Apr	468,904	504		Sat	23-May	477,628	281
	Sun	19-Apr	469,085	181		Sun	24-May	477,720	92
<b>Total flows for the week</b>			<b>2,535</b>		<b>Total flows for the week</b>			<b>1,261</b>	

<b>48</b>	Mon	25-May	477,720	0	<b>1</b>	Mon	29-Jun	483,271	317
	Tue	26-May	478,030	310		Tue	30-Jun	483,429	158
	Wed	27-May	478,152	122		Wed	01-Jul	483,626	197
	Thu	28-May	478,405	253		Thu	02-Jul	483,846	220
	Fri	29-May	478,610	205		Fri	03-Jul	484,106	260
	Sat	30-May	478,809	199		Sat	04-Jul	484,416	310
	Sun	31-May	478,899	90		Sun	05-Jul	484,438	22
	<b>Total flows for the week</b>					<b>1,179</b>	<b>Total flows for the week</b>		
<b>49</b>	Mon	01-Jun	479,101	202	<b>2</b>	Mon	06-Jul	484,878	440
	Tue	02-Jun	479,222	121		Tue	07-Jul	485,111	233
	Wed	03-Jun	479,341	119		Wed	08-Jul	485,363	252
	Thu	04-Jun	479,513	172		Thu	09-Jul	485,626	263
	Fri	05-Jun	479,625	112		Fri	10-Jul	485,826	200
	Sat	06-Jun	479,825	200		Sat	11-Jul	486,100	274
	Sun	07-Jun	479,859	34		Sun	12-Jul	486,350	250
	<b>Total flows for the week</b>					<b>960</b>	<b>Total flows for the week</b>		
<b>50</b>	Mon	08-Jun	479,859	0	<b>3</b>	Mon	13-Jul	486,676	326
	Tue	09-Jun	480,131	272		Tue	14-Jul	486,879	203
	Wed	10-Jun	480,260	129		Wed	15-Jul	487,098	219
	Thu	11-Jun	480,401	141		Thu	16-Jul	487,328	230
	Fri	12-Jun	480,531	130		Fri	17-Jul	487,544	216
	Sat	13-Jun	480,700	169		Sat	18-Jul	487,776	232
	Sun	14-Jun	480,730	30		Sun	19-Jul	487,805	29
	<b>Total flows for the week</b>					<b>871</b>	<b>Total flows for the week</b>		
<b>51</b>	Mon	15-Jun	480,994	264	<b>4</b>	Mon	20-Jul	488,070	265
	Tue	16-Jun	481,109	115		Tue	21-Jul	488,217	147
	Wed	17-Jun	481,270	161		Wed	22-Jul	488,364	147
	Thu	18-Jun	481,435	165		Thu	23-Jul	488,578	214
	Fri	19-Jun	481,613	178		Fri	24-Jul	488,792	214
	Sat	20-Jun	481,831	218		Sat	25-Jul	488,926	134
	Sun	21-Jun	481,846	15		Sun	26-Jul	488,945	19
	<b>Total flows for the week</b>					<b>1,116</b>	<b>Total flows for the week</b>		
<b>52</b>	Mon	22-Jun	482,059	213	<b>5</b>	Mon	27-Jul	489,379	434
	Tue	23-Jun	482,167	108		Tue	28-Jul	489,585	206
	Wed	24-Jun	482,310	143		Wed	29-Jul	489,899	314
	Thu	25-Jun	482,489	179		Thu	30-Jul	489,963	64
	Fri	26-Jun	482,686	197		Fri	31-Jul	490,180	217
	Sat	27-Jun	482,940	254		Sat	01-Aug	490,408	228
	Sun	28-Jun	482,954	14		Sun	02-Aug	490,432	24
	<b>Total flows for the week</b>					<b>1,108</b>	<b>Total flows for the week</b>		

<b>6</b>	Mon	03-Aug	490,762	330	<b>11</b>	Mon	07-Sep	498,492	413
	Tue	04-Aug	490,958	196		Tue	08-Sep	498,676	184
	Wed	05-Aug	491,182	224		Wed	09-Sep	498,938	262
	Thu	06-Aug	491,409	227		Thu	10-Sep	499,214	276
	Fri	07-Aug	491,617	208		Fri	11-Sep	499,481	267
	Sat	08-Aug	491,902	285		Sat	12-Sep	499,701	220
	Sun	09-Aug	491,948	46		Sun	13-Sep	499,726	25
	<b>Total flows for the week</b>					<b>1,516</b>	<b>Total flows for the week</b>		
<b>7</b>	Mon	10-Aug	492,356	408	<b>12</b>	Mon	14-Sep	500,132	406
	Tue	11-Aug	492,570	214		Tue	15-Sep	500,314	182
	Wed	12-Aug	492,795	225		Wed	16-Sep	500,562	248
	Thu	13-Aug	493,006	211		Thu	17-Sep	500,802	240
	Fri	14-Aug	493,307	301		Fri	18-Sep	501,021	219
	Sat	15-Aug	493,565	258		Sat	19-Sep	501,256	235
	Sun	16-Aug	493,624	59		Sun	20-Sep	501,288	32
	<b>Total flows for the week</b>					<b>1,676</b>	<b>Total flows for the week</b>		
<b>8</b>	Mon	17-Aug	494,022	398	<b>13</b>	Mon	21-Sep	501,721	433
	Tue	18-Aug	494,188	166		Tue	22-Sep	501,931	210
	Wed	19-Aug	494,322	134		Wed	23-Sep	502,078	147
	Thu	20-Aug	494,482	160		Thu	24-Sep	502,411	333
	Fri	21-Aug	494,687	205		Fri	25-Sep	502,640	229
	Sat	22-Aug	494,888	201		Sat	26-Sep	502,930	290
	Sun	23-Aug	494,931	43		Sun	27-Sep	502,941	11
	<b>Total flows for the week</b>					<b>1,307</b>	<b>Total flows for the week</b>		
<b>9</b>	Mon	24-Aug	495,277	346	<b>14</b>	Mon	28-Sep	503,314	373
	Tue	25-Aug	495,460	183		Tue	29-Sep	503,490	176
	Wed	26-Aug	495,670	210		Wed	30-Sep	503,753	263
	Thu	27-Aug	495,897	227		Thu	01-Oct	503,956	203
	Fri	28-Aug	496,157	260		Fri	02-Oct	504,213	257
	Sat	29-Aug	496,469	312		Sat	03-Oct	504,315	102
	Sun	30-Aug	496,477	8		Sun	04-Oct	504,550	235
	<b>Total flows for the week</b>					<b>1,546</b>	<b>Total flows for the week</b>		
<b>10</b>	Mon	31-Aug	496,789	312	<b>15</b>	Mon	05-Oct	504,725	175
	Tue	01-Sep	497,059	270		Tue	06-Oct	505,140	415
	Wed	02-Sep	497,285	226		Wed	07-Oct	505,357	217
	Thu	03-Sep	497,519	234		Thu	08-Oct	505,578	221
	Fri	04-Sep	497,770	251		Fri	09-Oct	505,811	233
	Sat	05-Sep	498,060	290		Sat	10-Oct	506,074	263
	Sun	06-Sep	498,079	19		Sun	11-Oct	506,116	42
	<b>Total flows for the week</b>					<b>1,602</b>	<b>Total flows for the week</b>		

<b>16</b>	Mon	12-Oct	506,512	396	<b>21</b>	Mon	16-Nov	514,335	326
	Tue	13-Oct	506,649	137		Tue	17-Nov	514,452	117
	Wed	14-Oct	506,874	225		Wed	18-Nov	514,758	306
	Thu	15-Oct	507,123	249		Thu	19-Nov	514,995	237
	Fri	16-Oct	507,348	225		Fri	20-Nov	515,301	306
	Sat	17-Oct	507,588	240		Sat	21-Nov	515,667	366
	Sun	18-Oct	507,609	21		Sun	22-Nov	515,684	17
	<b>Total flows for the week</b>					<b>1,493</b>	<b>Total flows for the week</b>		
<b>17</b>	Mon	19-Oct	508,058	449	<b>22</b>	Mon	23-Nov	516,033	349
	Tue	20-Oct	508,233	175		Tue	24-Nov	516,205	172
	Wed	21-Oct	508,452	219		Wed	25-Nov	516,463	258
	Thu	22-Oct	508,696	244		Thu	26-Nov	516,756	293
	Fri	23-Oct	508,950	254		Fri	27-Nov	517,004	248
	Sat	24-Oct	509,310	360		Sat	28-Nov	517,239	235
	Sun	25-Oct	509,514	204		Sun	29-Nov	517,270	31
	<b>Total flows for the week</b>					<b>1,705</b>	<b>Total flows for the week</b>		
<b>18</b>	Mon	26-Oct	509,854	340	<b>23</b>	Mon	30-Nov	517,661	391
	Tue	27-Oct	510,011	157		Tue	01-Dec	517,920	259
	Wed	28-Oct	510,248	237		Wed	02-Dec	518,005	85
	Thu	29-Oct	510,517	269		Thu	03-Dec	518,175	170
	Fri	30-Oct	510,818	301		Fri	04-Dec	518,223	48
	Sat	31-Oct	511,078	260		Sat	05-Dec	518,392	169
	Sun	01-Nov	511,107	29		Sun	06-Dec	518,415	23
	<b>Total flows for the week</b>					<b>1,793</b>	<b>Total flows for the week</b>		
<b>19</b>	Mon	02-Nov	511,541	434	<b>24</b>	Mon	07-Dec	518,731	316
	Tue	03-Nov	511,701	160		Tue	08-Dec	518,899	168
	Wed	04-Nov	511,935	234		Wed	09-Dec	519,084	185
	Thu	05-Nov	512,116	181		Thu	10-Dec	519,268	184
	Fri	06-Nov	512,453	337		Fri	11-Dec	519,517	249
	Sat	07-Nov	512,630	177		Sat	12-Dec	519,860	343
	Sun	08-Nov	512,636	6		Sun	13-Dec	520,000	140
	<b>Total flows for the week</b>					<b>1,529</b>	<b>Total flows for the week</b>		
<b>20</b>	Mon	09-Nov	512,939	303	<b>25</b>	Mon	14-Dec	520,436	436
	Tue	10-Nov	513,074	135		Tue	15-Dec	520,751	315
	Wed	11-Nov	513,279	205		Wed	16-Dec	521,015	264
	Thu	12-Nov	513,540	261		Thu	17-Dec	521,287	272
	Fri	13-Nov	513,745	205		Fri	18-Dec	521,578	291
	Sat	14-Nov	513,845	100		Sat	19-Dec	521,863	285
	Sun	15-Nov	514,009	164		Sun	20-Dec	522,100	237
	<b>Total flows for the week</b>					<b>1,373</b>	<b>Total flows for the week</b>		

<b>26</b>	Mon	21-Dec	522,444	344	<b>31</b>	Mon	25-Jan	532,838	338
	Tue	22-Dec	522,741	297		Tue	26-Jan	533,052	214
	Wed	23-Dec	523,020	279		Wed	27-Jan	533,278	226
	Thu	24-Dec	523,291	271		Thu	28-Jan	533,599	321
	Fri	25-Dec	523,600	309		Fri	29-Jan	533,778	179
	Sat	26-Dec	523,900	300		Sat	30-Jan	534,031	253
	Sun	27-Dec	524,200	300		Sun	31-Jan	534,097	66
<b>Total flows for the week</b>				<b>2,100</b>	<b>Total flows for the week</b>				<b>1,597</b>
<b>27</b>	Mon	28-Dec	524,500	300	<b>32</b>	Mon	01-Feb	534,426	329
	Tue	29-Dec	524,819	319		Tue	02-Feb	534,682	256
	Wed	30-Dec	525,129	310		Wed	03-Feb	534,897	215
	Thu	31-Dec	525,430	301		Thu	04-Feb	535,180	283
	Fri	01-Jan	525,750	320		Fri	05-Feb	535,443	263
	Sat	02-Jan	526,088	338		Sat	06-Feb	535,738	295
	Sun	03-Jan	526,410	322		Sun	07-Feb	535,810	72
<b>Total flows for the week</b>				<b>2,210</b>	<b>Total flows for the week</b>				<b>1,713</b>
<b>28</b>	Mon	04-Jan	526,775	365	<b>33</b>	Mon	08-Feb	536,241	431
	Tue	05-Jan	527,128	353		Tue	09-Feb	536,432	191
	Wed	06-Jan	527,508	380		Wed	10-Feb	536,660	228
	Thu	07-Jan	527,861	353		Thu	11-Feb	536,921	261
	Fri	08-Jan	528,209	348		Fri	12-Feb	537,173	252
	Sat	09-Jan	528,565	356		Sat	13-Feb	537,433	260
	Sun	10-Jan	528,900	335		Sun	14-Feb	537,600	167
<b>Total flows for the week</b>				<b>2,490</b>	<b>Total flows for the week</b>				<b>1,790</b>
<b>29</b>	Mon	11-Jan	529,240	340	<b>34</b>	Mon	15-Feb	537,995	395
	Tue	12-Jan	529,548	308		Tue	16-Feb	538,228	233
	Wed	13-Jan	529,806	258		Wed	17-Feb	538,480	252
	Thu	14-Jan	530,098	292		Thu	18-Feb	538,711	231
	Fri	15-Jan	530,367	269		Fri	19-Feb	538,934	223
	Sat	16-Jan	530,676	309		Sat	20-Feb	539,134	200
	Sun	17-Jan	530,900	224		Sun	21-Feb	539,334	200
<b>Total flows for the week</b>				<b>2,000</b>	<b>Total flows for the week</b>				<b>1,734</b>
<b>30</b>	Mon	18-Jan	531,084	184	<b>35</b>	Mon	22-Feb	539,611	277
	Tue	19-Jan	531,360	276		Tue	23-Feb	539,811	200
	Wed	20-Jan	531,645	285		Wed	24-Feb	540,049	238
	Thu	21-Jan	531,862	217		Thu	25-Feb	540,335	286
	Fri	22-Jan	532,129	267		Fri	26-Feb	540,536	201
	Sat	23-Jan	532,358	229		Sat	27-Feb	540,700	164
	Sun	24-Jan	532,500	142		Sun	28-Feb	540,850	150
<b>Total flows for the week</b>				<b>1,600</b>	<b>Total flows for the week</b>				<b>1,516</b>

<b>36</b>	Mon	01-Mar	540,942	92
	Tue	02-Mar	541,212	270
	Wed	03-Mar	541,408	196
	Thu	04-Mar	541,665	257
	Fri	05-Mar	541,936	271
	Sat	06-Mar	542,186	250
	Sun	07-Mar	542,436	250
	<b>Total flows for the week</b>			<b>1,586</b>
<b>37</b>	Mon	08-Mar	542,742	306
	Tue	09-Mar	542,750	8
	Wed	10-Mar	543,063	313
	Thu	11-Mar	543,304	241
	Fri	12-Mar	543,743	439
	Sat	13-Mar	544,100	357
	Sun	14-Mar	544,443	343
	<b>Total flows for the week</b>			<b>1,807</b>
<b>38</b>	Mon	15-Mar	544,764	321
	Tue	16-Mar	545,098	334
	Wed	17-Mar	545,430	332
	Thu	18-Mar	545,738	308
	Fri	19-Mar	546,056	318
	Sat	20-Mar	546,356	300
	Sun	21-Mar	546,656	300
	<b>Total flows for the week</b>			<b>2,413</b>

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