

Year

2024

## **Contact Details**

Piggery operator:	
Street Address:	

Postal Address: (if different from street address)

Piggery Manager: Contact phone number: Contact email address:

Environmental Manager (if different): Contact phone number: Contact email address:

Land Details

Real property	description:
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Land area (ha): Land owner: Tenure:

#### **Licences & Approvals**

Piggery licence no.: Licenced capacity:

Planning approval no.: Approved capacity:

Actual operating capacity (No. of pigs): Actual No. of SPU:

Water licence no.'s: Water available under licences:

SunPork P/L	
38 Junee Street	
Grong Grong	
NSW 2652	

PO Box 39 Grong Grong NSW 2652

Aaron Dochertry 0269 562105 adocherty@picaustralia.com.au

Stephen Dunbar +61436623083 swdunbar@bigpond.com

Sunpork Pty Ltd Lot 1 DP 598738 WB 187754 WB 188030 WS 070265

404 ha Sunpork P/L Freehold

EPA L No 5471 Discharge 200megL / day / 25657 head of stock

insert details insert details

25773 pigs 24256.2 SPU These data would feed in from the Piggery Description Sheet

ML

40BL 188030 / 40BL 187754 / WAL4115 740 ML

#### **Environmental Outcomes**

#### Please tick one or more boxes if applicable

# To operate in an ecologically sustainable manner by suitable siting taking into account the location o groundwater and land suitable for reuse through suitable size for location through good design and construction through good management

- To reuse manure sustainably o reuse manue sustainauty y maintaining or improving the productive qualities of land on-farm through effective use of the utrients, organic matter and water they contain. nrough exercising a duty of care in relation to piggery manure going off-farm.

#### To protect groundwater

	through good siting - no shallow groundwater beneath piggery
-	through good siting – no shallow groundwater beneath piggery or reuse areas
1	through good buffers between piggery and bores
-	through good buffers between piggery and reuse areas and bores
	through good design and construction - impermeable bases under all areas of the piggery used to store o
ŝ	convey manure
	through good control all manure and effluent and sustainable reuse of manure nutrients
	To protect surface waters
1	through good siting - adequate buffers to watercourses
	through good siting - vegetative filter strips to waterways
i,	through good siting - piggery site is above the 1 in 100 year flood line
5	
	through good design and construction - the piggery is built above ground level
	through good design and construction - the waste treatment / storage facilities are bunded
	through good control over manure and contaminated runoff
ł	by preventing stormwater runoff from entering the sheds or coming into contact with manure
	To protect community amenity
	through providing suitable separation distances
	through good design features that reduce odour and make the piggery easy to clean

by managing reuse appropriately.

> To protect items, sites or places of cultural heritage significance, both to Aboriginal and to other people by

Land	Use - Site and Surrounds	
Please select from drop down lis	st where available	
The land use zoning of the farm is	rural / farming	
Other than the piggery, land uses	s on-farm include (please tick box)	
	grazing	
	broadacre farming	
	other agricultural / horticultural uses non-agricultural uses	
Surrounding land uses include (p	lease tick box) grazing	
	broadacre farming	
	other agricultural / horticultural uses	
	non-agricultural uses	
The closest houses belonging to		
others are	are more than 2 km from the piggery.	
How many houses are located		
fairly close to the piggery?	Grong Grong Township 5 km	
Houses located fairly close to the	e piggery are to the (please tick box)	
	north	
	north-east	
	east	
	south-east	
	south south-west	
-	west	
	north-west	
Climate		
The annual rainfall is	460 mm	ı
The temperature zone in which		
the piggery is located is	Warm	
	e.g. inland NSW, SE Qld, SA, southern WA	
The predominant wind direction	in Summer is from the	
	east	
	north-east	
	south-east	
Ø	west	
	north-west	
	south-west	
	east	
	north-east	
	south-east	
	west	
	north-west	
	south-west	

Piggery Description						
Please select from drop down list where available						
The piggery unit type is	farrow-to-finish	]				
The piggery herd composition	on, and housing type for e	ach class of pigs	, is shown below			
Pig Class	No. of Pigs	No. of SPU	Housing	Manure Management	Totals	
Gilts (24-30 weeks)	236	424.8	Conventional	Flush channels	Conventional	8
Boars	80	128	Conventional	Flush channels	Deep litter	(
Gestating sows	1659	2654.4	Conventional	Flush channels		
	1659 514	2654.4 1285	Conventional Conventional	Flush channels Pull plugs		
Gestating sows						
Gestating sows Lactating sows	514	1285	Conventional	Pull plugs	-	
Gestating sows Lactating sows Suckers (0-4 weeks)	514 4100	1285 410	Conventional Conventional	Pull plugs Pull plugs		
Gestating sows Lactating sows Suckers (0-4 weeks) Weaners (4-10 weeks)	514 4100 7250	1285 410 3625	Conventional Conventional Conventional	Pull plugs Pull plugs Pull plugs		
Gestating sows Lactating sows Suckers (0-4 weeks) Weaners (4-10 weeks) Growers (10-16 weeks)	514 4100 7250 5609	1285 410 3625 5609	Conventional Conventional Conventional Conventional	Pull plugs Pull plugs Pull plugs Static pits		

## **Environmental Risk Assessment**

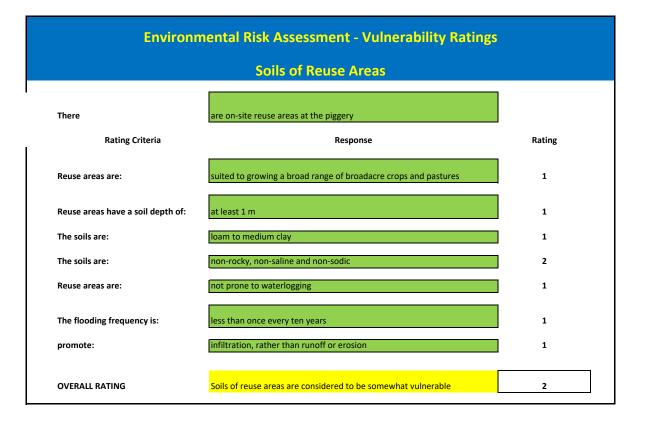
The purpose of this environmental risk assessment is to identify any actual or likely impact that the piggery may pose to the environment.

This provides the basis for reducing impacts (or risks of impacts) through improved design, improved management or monitoring.

There are three steps in this process:

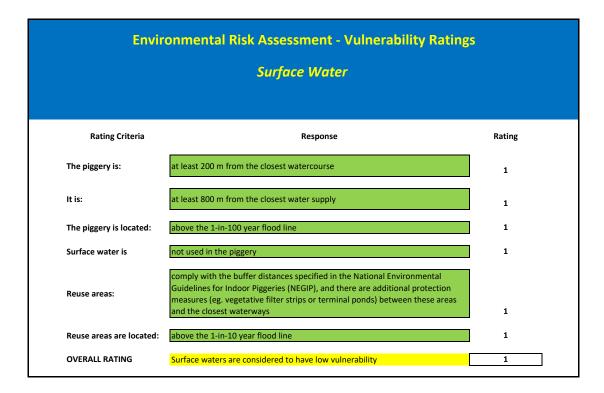
- rate the vulnerability of the major natural resources and amenity
- rate the risk protection afforded by the major design and operational features of the piggery
- evaluate the likelihood of an environmental impact.

The following sections use this process to determine areas where there is a risk of environmental impacts.



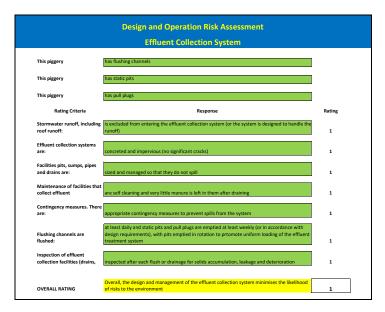
# Environmental Risk Assessment - Vulnerability Ratings

Groundwater				
Rating Criteria	Response	Rating		
The depth to groundwater is:	always at least 5 m below the ground surface or the base of any piggery infrastructure	3		
Water for potable use is:	not sourced from bores located within 1 km of the piggery	1		
Groundwater is:	used in the piggery and there is ample allocation and supply that is of suitable quality to meet requirements	1		
OVERALL RATING	Groundwater resources are considered to be vulnerable	3		

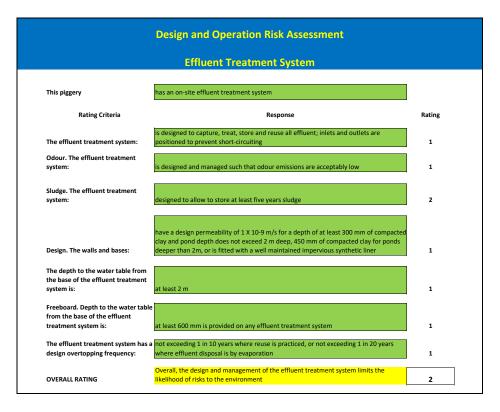


1	Environmental Risk Assessment - Vulnerability Ratings			
Community Amenity				
Rating Criteria	Response	Rating		
The piggery has received:	no complaints from the public or regulators for at least five years	1		
Levels of odour; dust and noise around the property boundary	checked at least weekly	1		
The piggery provides:	separation distances meeting the Level 1 criteria specified in Appendix A of the National Guidelines	1		
Surrounding land is:	all designated rural, and is not designated for future development or rezoning	1		
The piggery is:	well concealed from roads and neighbours	1		
The entrance point to the farm provides:	at least 300 m good visibility in both directions	1		
Vehicle movements and other noisy activities:	occur only during the day, except under exceptional circumstances	1		
Mechanical equipment used on- farm is:	all fitted with manufacturer-specified exhaust devices	1		
Dust from traffic movements, feed management and manure handling and reuse is:	controlled as needed	1		
There is:	a complaints management procedure in place that includes complaints recording, investigation and corrective action, along with appropriate consultation	1		
Mediation is:	used to try to settle disputes with neighbours	1		
OVERALL RATING	Overall, community amenity is considered to have low vulnerability	1		

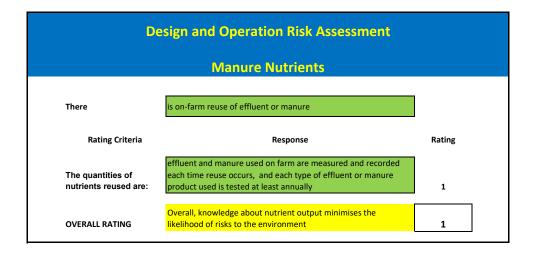
	Design and Operation Risk Assessment		
	Pig Housing		
This piggery	has conventional sheds		
This piggery	doesn't have deep litter shelters		
The pig accommodation	is not naturally ventilated		
Rating Criteria	Response	Rating	
The sheds:	are oriented east-west and are constructed to maintain temperatures within the required range with no mechanical heating or cooling	1	
Shed bases are:	concreted for conventional sheds and impervious for deep litter sheds (concreted or compacted for a permeability of 1 X 10-9 m/s for a depth of at least 300 mm)	1	
The feeding systems:	minimise feed wastage	1	
Stocking densities:	meet the requirement of the Model Code of Practice for the Welfare of Animals Pig:	1	
The inflow and outflow of water from sheds is:	prevented by controls	1	
Wash-down water is:	not generated by the piggery	1	
Conventional sheds are:	frequently cleaned to maintain very clean lanes, pens and handling areas; pigs are clear	1	
The bedding in deep litter shelters:	is always kept dry and friable (except for dunging areas); pigs are clean	1	
	Overall, the design and management of the sheds minimises the likelihood of risks to the		
OVERALL RATING	environment	1	



	Design and Operation Risk Assessment Solids Separation System (pre-treatment of effluent)
This piggery This piggery	doesn't have a device (e.g. screen, screw press) that separates solids from the liquid effluent doesn't have an outloading bay
OVERALL RATING	Not applicable and not assessed



Design and Operation Risk Assessment				
	Manure Storage			
Rating Criteria	Response	Rating		
Manure storage areas:	sit within a controlled drainage area, and all leachate and runoff is directed to effluent ponds, or storage designed to receive this inflow	1		
The bases of manure storage areas are:	impervious; concreted or sealed for a design permeability of 1 X 10-9 m/s for a depth of 300 mm	1		
The depth to water tables beneath the base of manure storage areas	exceeds 2 m at all times	1		
Manure stockpiles/windrows are:	always managed to maintain low odour emissions	1		
Spilt or spoilt feed is:	promptly cleaned up	1		
OVERALL RATING	Overall, the design and management of the manure storage system minimises the likelihood of risks to the environment	1		



	Design and Operation Risk Assessment		
	Design and Management of Reuse Areas		
Effluent	is irrigated on-site		
Manure	is not spread on-site		
Rating Criteria	Response	Rating	
Weather. Effluent irrigations occur:	only when the soil is dry enough to absorb the water and when rain is not expected	1	
High pressure spray guns are:	not used	1	
Gradient and Soil type. Flood Irrigation of effluent is:	used only on sites with an even grade and loam or heavier soils, and with good flow control and runoff collection	1	
OVERALL RATING	Overall, the design and management of the reuse areas minimises the likelihood of risks to the environment	1	

	Design and Operation Risk Assessment	
	Mortalities Management	
Mortalities managemen	t is hv	
	rendering	
	composting	
-	burial	
-	proper incineration	
	burning	
	dumping	
Rating Criteria	Response	Rating
-	-	
Dead pigs are:	always removed from the sheds or pens within 12 hours of discovery	1
Method of mortalities		
management:	rendering or composting	1
management.		1
Timing of mortalities		
management:	always occurs within 24 hours of death	1
	always provide at least 2 m depth between base level and groundwater; and are	
Mortalities	impervious (e.g. concreted or sealed for a design permeability of 1 X 10-9 m/s	
management areas:	for a depth of 300 mm)	1
Mortalities		
management. Carcasses		
that are composted or	always promptly covered with at least 300 mm of sawdust or alternative carbon	
buried are:	source (if composting) or soil (if burying) and continuously kept covered	1
Mortalities		
management. Location		
of carcasses that are		
composted or buried or		
burned:	the area	1
In the event of mass	a suitable site selected and a detailed management plan in place for managing	
mortalities, there is:	mass mortalities, including emergency contact details	1
mortances, mere 15.	mass mortaines, including emergency contact actains	•
	Overall, the mortality management minimises the likelihood of risks to the	
OVERALL RATING	environment	1

## Design and Operation Risk Assessment

## Chemical Use and Storage

There	are not underground petroleum storage systems (UPSS) on-site	
Rating Criteria	Response	Rating
MSDS, emergency response plans for spills and spill kits or suitable clean up equipment are:	provided for all chemicals used	1
Quantities of chemicals stored on- farm are:	minimised	1
Chemicals with a low toxicity and low water contamination potential are:	preferentially selected	1
Chemicals are:	always stored and used in accordance with manufacturer's instructions, and legal requirements, and only in accordance with the registered use; records of use are maintained	1
Staff members are:	trained in correct handling and use of all chemicals of relevance to their position	1
Empty container and sharps disposal is:	always in accordance with manufacturer's instructions	1
petroleum storage systems (UPSS) on- site:	applicable regulatory requirements for monitoring are always followed	1
Chemical contractors:	only accredited contractors are engaged	1
OVERALL RATING	Overall, the management of chemicals minimises the likelihood of risks to the environment	1

	Design and Operation Risk Assessment					
	Managing GHG Emissions					
GHG emissions	have not been considered in the design and operation of the piggery					
OVERALL RATING	Overall, the management of GHG emissions minimises the likelihood of risks to the environment 1					

# **Overall Risk Assessment**

			Natural Resource Vulnerability Ratings (1-4)			
		Soils of	Groundwater	Surface Water	Community	
		Reuse Areas	Quality & Availability	Quality & Availability	Amenity	
Design and Operation Risk						
Ratings (1-4)		2	3	1	1	
Pig housing	1	2	3	1	1	
Nutrient content of manure	1	2	3	1	1	
Effluent collection system	1	2	3	1	1	
Solids separation system	0	0	0	0	0	
Effluent treatment system	2	4	6	2	2	
Solid waste storage / treatment	1	2	3	1	1	
Mortalities management	1	2	3	1	1	
Reuse areas	1	2	3	1	1	
Chemical use and storage	1	2	3	1	1	
Managing GHG emissions	1	2	3	1	1	

A combined rating of 1-4 means a low risk and would not trigger any action.

A combined rating of 5-11 means a medium risk and may trigger explanation or action.

A combined rating of 12-16 means a high risk and would trigger explanation or action.

Improving environmental performance might involve changes to design or management or further monitoring.

#### **Environmental Monitoring and Assessment of Sustainability**

#### Community Amenity

Management aims for the piggery to operate in harmony with the nearby community. One measure of the impact of the piggery on nearby residents is the number of complaints received. Consequently, any complaints from either regulators or neighbours are taken seriously. Receipt of a complaint triggers an investigation into the possible causes and corrective and / or preventative action as required. Details of complaints received, investigations, findings of investigations, corrective and / or preventative actions taken and communications with

the party that lodged the complaint and / or the complainant are documented in a "Complaints Register".

#### Soils

The "National Environmental Guidelines for Indoor Piggeries" recommend soil monitoring frequencies based on the risk posed by reuse at that site.

Where there is high risk of soil impacts, annual soil monitoring is imperative.

If the risk is medium, and three years of annual monitoring data demonstrate the system is sustainable, soils should be sampled and analysed at least every two years.

If the risk is low, and three years of annual monitoring data demonstrate the system is sustainable, soils should be sampled and analysed at least every three years.

In this case the risk is:	Low	2
Parameter	Depth	
рН	0-0.1 m 0.3-0.6 m or base of root zone	
Electrical conductivity (EC <sub>SE</sub> )	0-0.1 m	
Available phosphorus	0.3-0.6 m or 0.3-base of root zone	
	0.3-0.6 m or 0.3-base of root zone (monitor at depth yearly if sandy)	
Phosphorus sorption capacity or phosphorus sorption index	0-0.6 m or 0 m-base of root zone	
Potassium	0-0.1 m 0.3-0.6 m or base of root zone	
Organic carbon	0-0.1 m	
Exchangeable cations and CEC	0-0.1 m 0.3-0.6 m or base of root zone	

#### Effluent and Manure

Before reuse, manure products are tested at least annually for the following parameters before the main reuse period. Effluent Manure Total nitrogen or TKN (Kjeldahl nitrogen) Dry matter Total nitrogen or TKN (Kjeldahl Ammonium-nitrogen nitrogen) Nitrage-nitrogen Ammonium-nitrogen Total phosphorus Nitrage-nitrogen Ortho-phosphorus Total phosphorus Potassium Ortho-phosphorus Electrical conductivity (EC) and Potassium chloride SAR Organic carbon Electrical conductivity (EC) and chloride

#### Surface Water

Surface water monitoring is not warranted because there is no direct discharge to waterways and because secondary protection measures are in place.

Groundwater - ideally sample	upslope			
and downslope of source			0	1
In this case the risk is:	Medium		6	
		Freque	ncy (quarterly to annually)	bi-annually to
Parameter		High Risk	Med. Risk	
EC		Yes	Maybe	
Nitrate-nitrogen		Yes	Maybe	
Total phosphorus	sandy soils only	Maybe	Maybe	

Results of monitoring are interpreted against the National Environmental Guidelines for Indoor Piggeries and Action Plans developed if needed.

Cor	ntingency Plans
environment.	otential emergency situations that pose a risk to the ergency situations and further situations may be
In the event of an emergency situation, the 24 hour contact phone number is:	+61 407948291
Loss of Water Supply	
A constant water supply is integral to the op To ensure a constant supply, the piggery has:	peration of the piggery. arrangements in place to obtain water from an alternative source
Loss of Power	is needed to operate the piggery and a back-up
Power:	generator is kept on-site.
Interruption to Feed Supply To ensure a constant supply of feed:	at least two days prepared feed is kept on-site
Flooding Flooding:	is not a concern due to the location of the piggery
Fire	
In the event of a fire in, or near the piggery. The local rural fire bridgade will be called on: If it is safe, piggery staff will:	, staff safety is the highest priority. 000 take action to prevent the spread of the fire to other buildings.
Disease Outbreak	
In the event of a disease outbreak, piggery management will contact:	a local veterinarian
by telephoning:	0428270091
Mass Mortalities In the event of mass mortalities, piggery management will contact:	the Chief Veterinary Officer, EPA and Council
by telephoning:	0428270091 / 61 2 9995 5555
Chemical Spill In the event of a chemical spill:	the spill kit is used
Biogas Risks	
Leaking biogas could pose a number of risks for humans and animals and asphyxiation r	s including fire and explosion, adverse health risks isks if released into confined spaces.
Risk:	management needs further consideration
In the event of a biogas leak, fire or explosion ensure staff are safe and contact emergency services and the gas safety regulator for assistance:	N/A

# **Records to be Kept**

EMP Review	Yes	All EMPs should include this record.
		Select "yes" if you have plans / intend to
		develop specific plans to improve design or
Action Plans	Yes	management to reduce risk
Environmental Training Record	Yes	All EMPs should include this record.
Complaints Record	Yes	All EMPs should include this record.
		If enviromental monitoring is undertaken
Environmental Monitoring Record	Yes	then this record should be kept.
Effluent Reuse Record	Yes	For on-site reuse
Manure Reuse Record	No	For on-site reuse
		Select "yes" if you are exporting any effluent
Manure Export Record	Yes	or manure for reuse
		Select "yes" if you are exporting any effluent
Duty of Care for Off-site users	Yes	or manure for reuse
		Applies if you use herbicides, insecticides or
Pesticide Use Record	Yes	baits
Environmental Incident Record	Yes	All EMPs should include this record.
Pollution Monitoring Data Report	Yes	Applicable for licenced NSW operations

## NPI Reporting

Piggeries trigger NPI reporting responsibilities if they emit over 10 t/yr ammonia, or for emissions to air from fuel or waste combustion exceeding 400 t/yr or 1 t/hr at any time in a reporting year.

NPI reporting is done on-line via: http://www.npi.gov.au/reporting

#### **NGERS Reporting**

NGERS reporting is triggered by facilities that produce 25 kt of  $CO_2$ -e/yr of Scope 1 or 2 emissions or which use or produce over 100 TJ/yr of energy. Further information is provided in Chapter 20 of the National Environmental Guidelines for Piggeries and at www.cleanenergyregulator.gov.au.

All reporting under the National Greenhouse and Energy Reporting Act 2007 is done through the Emissions and Energy Reporting System (EERS). For more information, and to report, go to www.cleanenergyregulator.gov.au

## **EMP Review**

This EMP will be reviewed annually and also whenever significant changes in piggery design or management occur.

Records will be updated as needed.

#### **EMP Review**

Record

Review Date:	Reviewer Name:	Findings:	Changes Made (section of EMP, details of change)	Reviewer Signature:
21/01/2021	D. Johnston	Meets Standards	Secondary Dam walls have been upgraded to meet 300 mm freeboard.	
21/01/2021	k Johnston		Desludge area resurfaced and	
1/03/2021	R Johnston	Meets Standards	compacted	
15/10/2020	R Johnston	Meets Standards	old secondry dam decommisioned	a 11
3/02/2022	R Johnston	Meets Standards	Primamar pond Desludged	Kujdusta.
2/02/2024	R Johnston	Meets Standards	Primamar pond Desludged	

Ruythates.

# **Action Plans**

Date	Contact name	Need identified	Proposed actions (including dates)	Actions taken (including dates)	Signature
Feb-21	R Johnston	upgrade irrigation channels	reshape and rebuild	l irrigation outlets	
Nov-23	R Johnston	increase monitoring points from 3 to 5			
			P. Net-		

# **Environmental Training Record**

Date of Training	Trainee Name	Training Type	Training Provider	Training Hours	Training Outcomes	Supervisor Signature (Signature & Date)	Trainee (Signature & Date)
					chemicals		
		<u></u>					

		Complaints Record
Complaint Details		
Date of complaint:		Nil Complaints recieved
Time of complaint:		
Name of person advising of compl	laint:	
Complainant name (if known):		
Complainant phone number (if kn	own):	
Method of complaint:		Details
Nature of complaint:	•	phone call • fax • email • in-person • other:
	•	odour • noise • dust • other:
Details:		
Investigation Details		
Temperature at time of alleged nu	uisance	21
	•	cold • cool • mild • warm • hot • very hot
Wind strength at time of alleged r	nuisanco	
Wind direction at time of alleged		
	•	
Direction from piggery (or reuse a complainant (if known):		
Approximate distance from pigger reuse area) to complainant (if kno		
Person responsible for investigation complaint:	ng	
Investigating method (description	, date):	
Signficant activities at time of aller nuisance:	ged	
Findings of investigation:		
Corrective / preventative actions a	and	
date actions taken: Communications with person advi	ising of	f
complaint and / or complainant (c and date):	ontent	t
Issue resolved?		□ Yes □ No
If no: Further investigation and correctiv preventative actions (if warranted		
Further communications with complainant:		
Issue resolved?		v Yes v No
If no, continue with investigation a corrective / preventative actions ( warranted)		
Signature of investigator:		
Date investigation closed:		

Environmental Monitoring Record										
				Further Actions						
Date	Name	Element	Action	Needed	Signature					
		e.g. soil, effluent, manure, surface water, groundwater	e.g. sampling, sample dispatch, results received, results sent to regulators, results filed (where), results put on website							
Sep-24		as per attached Return and reported records		Rughter.						

Effluent Reuse Record												Johnte
Date	Name	Volume of Effluent (l)	for Irrigation	Irrigated (ha)	Irrigation Rate (L/ha)	Concentration (mg/L)	P Concentration (mg/L)	Concentration (mg/L)	N Application (kg/ha)	Application (kg/ha)	K Application (kg/ha)	Signature
1/7/23 to 30/6/24		247.331	287.906	40.575								
	Licenced											
Dec-23	area	16,900,000	Main	20	845,000.0	0.009	0.042	0.0682	7.605	35.49	5.7629	
Jan-24		18,500,000	Corn	22	840,909.1	0.009	0.042	0.0682	7.6	35.3	5.735	
Feb-24		5,170,000	Contingent	22	235,000.0	0.009	0.042	0.0682	2.1	9.9	1.6027	
					#DIV/0!				#DIV/0!	#DIV/0!	#DIV/0!	
					#DIV/0!				#DIV/0!	#DIV/0!	#DIV/0!	
					#DIV/0!				#DIV/0!	#DIV/0!	#DIV/0!	
	Total	40,570,000			#DIV/0!				#DIV/0!	#DIV/0!	#DIV/0!	

Manure Reuse Record												
Date	Name	Mass of Manure (t)	Paddock for Spreading	Area Spread (ha)	•	N Concentration (kg/t DM)	P Concentration (kg/t DM)	K Concentration (kg/t DM)	N Application (kg/ha)	P Application (kg/ha)	K Application (kg/ha)	Signature
Feb-24	PIC	500	PIC Farmlands	100	5				0	0	0	

## Manure Exports Record

Date	Description e.g. aged spent bedding	Quantity (t / m3)	Recipient Name	Recipient Address	Recipient Phone No.	Intended Use	-	Duty of Care Statement Provided?	Signature
1-Feb	Desludge solids	2600	B Gawne	Grong Grong	0427487505	soil conditioning	Yes	no	N 1
	Desludge solids	1000	A Ferguson	Grong Grong	0439648535	soil conditioning	Yes	no	Rusphates.
	Desludge solids	1000	A Gillespie	Grong Grong	0429164840	soil conditioning	Yes	no	0
	Total	4600							

# **Duty of Care for Off-Site Users**

Aged spent bedding and bedding compost from piggeries are great sources of nutrients for plant growth and carbon for building soil structure.

However, like inorganic fertilisers, they need to be spread on suitable areas and applied at sustainable rates to ensure the environment is protected.

Those utilising spent bedding or compost must take all reasonable and practical steps to prevent harm to the environment and to areas of cultural heritage sensitivity.

Each state has its own Acts detailing duty of care provisions. These typically require:

- · sustainable use of natural resources
- conservation of biological diversity
- avoidance of harm to Indigenous cultural heritage.

In particular, spreading of spent bedding or compost needs to be managed to avoid:

- · land degradation (e.g. soil erosion, decline in soil structure, nutrient overloading)
- · odour and dust nuisance
- · surface water and groundwater pollution with nutrients and sediment
- increased weeds
- noise nuisance

To minimise the likelihood of these potential impacts:

• minimise the risk of spent bedding or compost spillage during transportation by not overfilling the truck and by covering the load.

• where practical, avoid transport routes with a large number of houses close to the road.

• spent bedding and compost should not be stored or spread on areas that are flood-prone. Nor should they be stored or spread on areas where they will pose a significant risk of nutrient transfer to watercourses (e.g. sloping land immediately abutting a watercourse).

• check the weather forecast before spreading spent bedding or compost and delay spreading if heavy rain is expected or the soil is still very wet following heavy rain. Also check the wind speed and direction to ensure the prevailing wind is not blowing directly towards nearby residences.

• plan to spread spent bedding or compost from mid-morning to early-afternoon when good odour dispersion is likely. Avoid spreading from mid-afternoon to evening. Avoid spreading just before weekends or during holiday periods, particularly if close to a public area.

• determine a suitable spreading rate based on the N, P and K content of the spent bedding or compost, soil properties and the intended land use of the reuse area. The rate should be consistent with the ability of soils and plants grown on the area to sustainably use the applied nutrients, salts and carbon in the spent bedding or compost.

• calibrate the spreader to spread at the target rate.

• monitor reuse areas for weeds and control these if necessary. Although the aging and composting processes can destroy most weed seeds, some seeds may remain viable.

- avoid spreading spent bedding or compost close to sensitive neighbours at night when noise may create nuisance.
- · do not allow grazing stock to access stored manure or reuse areas for at least three weeks after spreading.

# Pestcide Use Record

			Product	Location	Method of		
Date	Name	Type of Pesticide	Name	Used	Use	Quantity Used	Signature
		e.g. herbicide, rat bait,					
		insecticide					
				Deadpit and			
Sep-20		Fox Bait		around Piggery	wing bait	3kg	
				Deadpit and			
Apr-21		Fox Bait	1081	around Piggery	wing bait	3kg	
	Del Delle Deserver						
	RatBalt Program	- within piggery - APIQ					
			0 111				
			Kudhata	-			

Environmental Incident Record										
	-									
			Actions Taken	Corrective /	Corrective /					
			(including regulator	Preventative	Preventative Actions					
Date	Name	Incident Description	contact)	Actions Needed	Taken (including date)	Signature				
	Nil									

## **Pollution Data Monitoring Report**

Under the NSW Protection of the Environment Operations Act 1997 (POEO Act), holders of environment protection licences (licensees) must publish or make pollution monitoring data available to members of the public.

The specific requirements for providing monitoring results are set out in section 66(6) of the POEO Act. In summary, this provision requires that:

· licensees who undertake monitoring as a result of a licence condition must publish or make available pollution monitoring data within 14 days of obtaining the data and/or receiving a specific request for a copy of the data-

· licensees who maintain a website must make the monitoring data related to pollution available in a prominent position on their website

· licensees who do not maintain a website must provide a free of charge copy of the pollution monitoring data on reasonable written request from any person

 $\cdot$  the data must be published in accordance with requirements issued in writing by the EPA.

Date:	30/09/2020
Monitoring Location:	Secondary Dam Discharge point
Material for Sampling:	Meter
Monitoring Frequency Required by Licence:	Daily Discharge volume
Monitoring Frequency Requirement Met:	Met
If not, when and why?	

Pollutant	Units of Measuremen t	Min. Value (for year)	Mean Value (for year)	Max. Value (for year)		If Discharge / Emission limit not met, why?
Piggery Liquid Waste	62.47				73 Meg	Met
NIP Report- 30/09/2019 Ammonia	kg/year				46698	met
Attached as per Annual return Sampling						