

Company: PIC Australia Pty Ltd	Issue date: 10 July 2024		
Document: 21B PIC AEC Project Proposal V8.doc	Authorised: AEC Co ordinator		
PIC Australia Ltd AEC Project Proposal to Use Animals for a Scientific Purpose			

Title of Project:

Commercial-in-Confidence: Yes / No Proposal is of commercial relevance Yes/No

This form is to be used for submission to the PIC Australia Ltd Animal Ethics Committee (AEC) for research project proposals.

Important Notices

The 'Applicant' is the entity submitting this proposal.

The PIC Australia Ltd Animal Ethics Committee (AEC) deems the applicant to be in charge of the project and to be responsible for:

- The conduct of the project in accordance with AEC approval, the NSW Animal Research Act 1985, Animal Research Regulation 2021 the Australian code for the care and use of animals for scientific purposes, 8th Edition 2013 (the Code updated 2021) and all other relevant Commonwealth and State legislation.
- The submission of all necessary reports, notices and advices as required by the AEC.

As an AEC approval is not transferable, it may not be appropriate for an employee of an external entity (eg a company or institution) to be the applicant. If an employee is the applicant and leaves the company or institution, the company or institution cannot continue to use the approval.

Investigators and trainers involved in the scientific use of animals have personal responsibility for all matters related to the wellbeing of the animals they use and must act in accordance with all requirements of the Code. This responsibility begins when an animal is allocated to a project and ends with its fate at the completion of the project. Investigators and trainers involved in the scientific use of animals have an obligation to treat animals with respect and to consider their wellbeing as an essential factor when planning and conducting projects.

All text boxes will expand automatically to accommodate entry. Do not remove/alter formatting, headers or footers. Any changes/deletions to headers, footers or formatting may result in the proposal being declined and returned to the applicant.

All pages must be submitted electronically in Word format to your AEC coordinator: steve.peucker@sunporkfarms.com.au

AEC USE ONLY					
Proposal Reference Number: Date Assessed:			d:		
	Assessment Categ	ory: (cross one bo	x only)		
□ Approved as submitte	ed				
□ Approved subject to n	nodifications / clarification	on			
☐ Amend prior to resub	mission				
□ Pending					
□ Rejected					
Signature of Chair:					
Initials of Members					
Category A: Category B: Category C: Category D:					
Monitoring concerns:					



Company: PIC Australia Pty Ltd	Issue date: 10 July 2024
Document: 21B PIC AEC Project Proposal V8.doc	Authorised: AEC Co ordinator

L. Title of project				
1.1 Applicant details - Ap	plicant's contact person details	;		
Company:				
Name:				
Address:				
Relationship to Applicant (e	g employee, consultant, vet et	c):		
Phone:	Fax:	E M	ail:	
	f any cancellation of any anima ails of any conviction relating t			neid by the
	in 3.3 for individual trials if required, fi ws are insufficient attach a separate a			
Animal Type	Scientific name	Class	Sex*	Number
Pigs	Sus scrofa domestica			
Total number of anima	lls to be used for this project (in	 clude control ar	 nd replacement	animals)
*Use either: Prenatal, Newb Organisms, others (describe	orn, Juvenile / Weaner, Adults,	Male Finishers,	Genetically Mo	dified

1.4

Categorisation of research uses in animals



Company: PIC Australia Pty Ltd	Issue date: 10 July 2024
Document: 21B PIC AEC Project Proposal V8.doc	Authorised: AEC Co ordinator

All animal use activities covered by a standing operating procedure (SOP) have been allocated to a category to indicate the activity and impact on animals. The categories are set out in the table below:

Approval Category	Type of Project	Type of Procedure
1	Research with limited impact	Designed experiments using normal husbandry practices
2	Research with moderate – severe animal impact	Repetitive techniques not normal husbandry practices eg. blood collection, fistulae or original and infrequently used techniques not covered by standard SOP
3	Activities with severe animal welfare implications	LD50 tests restricted under the Animal Research Act. Approval only by the appropriate authority. Attach evidence of approval

1.5 **Project** Give the proposed start and end dates, of the project End date: ____ Start Date: (3years max duration) 1.6 **Special Consideration** Does the project involve any recombinant DNA technology, infectious, toxic, radioactive or carcinogenic agents that may be harmful to other animals or to people? If so you must advise all personnel involved. Provide details below of such agents and their possible impact as well as appropriate licences/permits/authorities. 1.6.2 Collaboration Does this project involve collaboration with external agencies (eg. institutions, companies, individuals etc.)? ☐ Yes (If yes complete Section 1.5.2) □ No (If no go to Section 1.5.3) Name of collaborator(s) / relevant institution or organisation: Details of the collaboration:



Company: PIC Australia Pty Ltd	Issue date: 10 July 2024
Document: 21B PIC AEC Project Proposal V8.doc	Authorised: AEC Co ordinator

Details of any applications to, and approval from, other institutional Animal Ethics Committees. Please include total number of animals approved for the project by all collaborators.

(Please attach a copy of the application submitted and notification of approval from your collaborator's AEC)
1.6.3 Funding: Identify the principle source of funding for this project:
Nature of the funding source ie company funds, External Agency, External Grant, Commercial, Private, Other:
Name of Funding body/source:
Commercial-in-Confidence: Yes/No
Exact title of funding application:
1 st Named Investigator on funding application:
Administering Organisation/Institution:
Date of submission of application:
Period of funding:
Does the animal work described in the funding application correspond exactly to that described in this animal ethics application, including experimental groups and animal numbers? Yes / No
1.6.4 Is AEC approval also being sought through another AEC? If so name the other AEC and give reasons for proposal for joint approvals.
2. Justification for Animal Use (justification)

2.1 Big Picture Background

It is essential that this section is easily understood by those without technical and scientific knowledge. In plain, clear and concise English (use lay language, avoid jargon and acronyms and use a glossary if necessary) put the project into context (the big picture). In particular, write this section so that AEC members without a veterinary or scientific background can understand what has led to the current situation (including reference to earlier work or this project being part of a larger body of work), the need that exists and how the benefits of the use of the animal/s outweigh the potential costs to the animal/s.



Company: PIC Australia Pty Ltd	Issue date: 10 July 2024
Document: 21B PIC AEC Project Proposal V8.doc	Authorised: AEC Co ordinator

Glos	sary: (include here an explanation of acronyms, technical terms and all abbreviations)
The	Big Picture:
2.2	Objectives and purpose of proposed animal use and alternatives (replacement)
2.2.1	Detail the objective and purpose of animal use
2.2.2	Will any animal be used for teaching or training activities within this project? Indicate YES/NO
2.2.3	Is the research to be undertaken, required to be conducted under Australian commercial farming conditions to achieve relevant outcomes and results? Indicate Yes / NO
	If YES, please justify why in section 5.3.1 of the proposal.
2.2.4	If all or some of this project is a <i>repeat</i> of work that has been done already, provide justification for this project.
2.2.5	Explain why you need to use live animals to achieve all or some of your aims.
2.2.6	List alternatives to live animals that COULD be used in this project and explain why such alternatives are unsuitable for this project or list those used in conjunction with this project.
3. E	xperimental Design of Project (reduction/refinement)
3.1	Justification for number of animals
Justify	y why the proposed number of animals is appropriate to achieve the aims.

3.2 Reuse of animals and/or tissues



Company: PIC Australia Pty Ltd	Issue date: 10 July 2024	
Document: 21B PIC AEC Project Proposal V8.doc	Authorised: AEC Co ordinator	
DIC Assets die Ltd		

3.2.1	Have any of the animals proposed to be used, already been used in a project? If yes, give the name and approval number of this project and state how they were used. State why do you consider it beneficial to use these animals again rather than 'new' animals?		
3.2.2	Is there an opportunity to reduce any future with other investigators/teachers/trainers? T		
3.3 E	xperimental design		
3.3.1	Category of Procedure		Please indicate v
Obse	rvational studies involving minor interference		
	al unconscious without recovery		
	cious intervention (minor) without anesthesia		
	ative procedures (minor) with recovery		
Surge	ery with recovery		
Mino	r physiological challenge		
Majo	r physiological challenge		
	h as an end point (not euthanasia); for example	•	
deatl	n as en end point was a deliberate, planned par	t of the procedure.	
3.3.2	Where applicable include a table showing treathis space	atments and group sizes and outli	ning trial design in
Desig	gn type:		
Num	ber of treatments:	Treatment type:	
What	t is the experimental unit?		
Num	ber of experimental units (replicates) per treatr	ment:	
Total	number of experimental units for the experime	ent:	
Num	ber of animals per experimental unit (if relevan	t):	
Prima	ary variable:		

If you propose that experimental design is not needed for the justification of this activity, you must

provide your reasoning here

3.3.3



Company: PIC Australia Pty Ltd	Issue date: 10 July 2024			
Document: 21B PIC AEC Project Proposal V8.doc	Authorised: AEC Co ordinator			
PIC Australia Ltd				

3.4 Biometrician's comments if required by the AEC

BIOMETRICIAN USE ONLY Experimental Design Evaluation				
•				
Biometrician Name:	Indicate evaluation outcome:			
Job Title: Accepted Experimental Design				
Organisation:	Accepted Experimental Design with Modification			
Phone:	Unacceptable Experimental Design			
Comments				
Signature:	Date:			

4. Sequence of Procedures and their Impacts on Animals (refinement via design and monitoring)

4.1 Sequence of procedures

List the sequence of procedures in the project as an activity schedule or timeline, beginning when animals are allocated to the project and ending with their fate at the completion of the project. The schedule or timeline should identify clearly the timing and duration of every procedure, including the number and duration of any component phases and/or any repetitive activities.

4.2 Details of procedures

4.2.1 Please provide justification for category 2 animal use (Refer section 1.4)

Example: Faecal samples are required for microbiota population differences and indicators of inflammation.

4.2.2 In plain English give details of each procedure listed in 4.1. Use a heading for each explanation of procedures, which is the same as the procedures used in 4.1.

Details provided should include, but need not be limited to, the following as appropriate to the proposal).

- All administered substances (name, toxicity, action, route, dose, frequency)
- All procedures carried out on animals (eg sampling method, frequency, amount, special housing, handling and restraint)
- How each procedure may impact negatively on the animals



PIC Australia Ltd			
Document: 21B PIC AEC Project Proposal V8.doc	Authorised: AEC Co ordinator		
Company: PIC Australia Pty Ltd	Issue date: 10 July 2024		

 Ho 	w any negative impacts on animals will be minimised w the impact on animals will be monitored, assessed and managed, including method and frequency monitoring (during and after procedures)
	anagement procedures differing from the Code
	ny routine husbandry or management procedures be done which are not compliant with any of the nt Codes? If so, detail and justify
4.4	Animal treatment/withdrawal and euthanasia decision
4.4.1	Detail the specific criteria which will result in animals being treated or withdrawn from the project or euthanased. Describe what will be done. Insert a decision tree for enacting treatment, withdrawal or euthanasia (specifying the method) in each case as applicable to this project.
pract poor guide hosp follo acute is pe oper If the	ealth will be monitored on a daily basis, at a minimum, following all relevant CHM procedures and tices. Any pigs showing signs of ill health such as not eating or drinking, fever, ill thrift, lameness, physical appearance, physical damage will be treated in accordance with practicing veterinarian elines and withdrawn from the experiment. Pigs showing signs of ill health will be moved to the ital pen and treated. Euthanasia decisions are made by the farm manager and experienced staff wing veterinary instruction and guidance. Any animals not responding to treatment or that has an enjury that is unlikely to respond to the prescribed treatment regime are euthanased. Euthanasia rformed using approved methods (penetrating captive bolt, Co2 or blunt trauma) by a trained actor out of sight of other animals. The monthly farm average (please add %) for the class of pig being used be experiment. The Principal Investigator will contact the PIC AEC co ordinator immediately.
4.4.2	What arrangements are in place for contacting somebody who is competent and authorised to treat/withdraw animals (including euthanasing) in an emergency?
4.4.3	Emergency contact details. In the event of an emergency involving animals in this project, please provide after hours contact numbers for the appropriate people

Phone

Name

Role

Comments



Company: PIC Australia Pty Ltd	Issue date: 10 July 2024
Document: 21B PIC AFC Project Proposal V8.doc	Authorised: AFC Co ordinator

4.5 F	ate of the animals at the e	nd of the project:		
	give details of expected fater er project, give details	e; if euthanased, de	tail method of euthanasia	; if to be transferred to
4.6	Death as an End Point			
•	project requires animals to ses, responses or effects (a		-	_
4.7 F	Routine Animal Monitoring	and Management		
5.	Animal Ownership, Location	on, Housing and Ma	nagement (refinement vi	a management)
5.1 S	ources of animals			
5.1.1	Name the source(s) of the animals.	e animals and list an	y permits necessary to acc	quire, transport or use these
5.1.2	ensure that animals bein is cognisant of the specie	g transported specif s special needs and	ically for this project are to will minimise the chance of	t. (It is your responsibility to transported in a manner that of stress or injury at all stages owing current Codes for the



Company: PIC Australia Pty Ltd	Issue date: 10 July 2024		
Document: 21B PIC AEC Project Proposal V8.doc	Authorised: AEC Co ordinator		

5.2 Location of Project

	e applicable, give the name and location of sites with a contact phone and fax number. State who will ne animals whilst they are in the project.
5.3 De	etails and description of Housing Facilities and Equipment
5.3.1	If answered YES to section 2.2.3 Please provide justification as to why the proposal requires animals to housed under Australian Commercial conditions and therefore doesn't conform to the Animal Research Review Panel (ARRP) recommendation of using the European Convention for the Protection of Vertebrate Animals used for Experimental and Other Scientific Purposes standards for housing and space allowance (Appendix A – Article 5).
5.3.2	Name the type of facilities (eg animal house and experimental pens). Name any special features of the facilities or management, which could impact on the animals' wellbeing (such as confinement of individuals in metabolism crates; abnormal group size; stocking rate; and exposure).
5.3.3	Give a description of each facility/piece of equipment listed in 5.3.2 (eg dimensions, materials, feed and water supply, environmental control, or protection shelter, bedding, environmental enrichment - please specify form of enrichment or bedding if provided). List the relevant Codes or other approved standards that are applicable (include actual information from the Code on minimum standard).
5.3.4.	Please provide justification if NO enrichment or bedding is provided.
3.3.4.	riease provide justification if NO efficient of bedding is provided.
5.3.5	Give details of group size and composition and stocking rate/space allocation. (Include information from Codes or other applicable standards as a comparison where applicable. See Appendix 1 for space requirements.
pig is Verte	Model Code of Practice for Animals – Pigs 3 rd ed requires a minimum space allowance for kg m²/pig. The equivalent requirements under the European Convention for the Protection of abrate Animals (Appendix A) used for Experimental and other Scientific Purposes is minimum space rance for kg is m²/pig.



Company: PIC Australia Pty Ltd	Issue date: 10 July 2024		
Document: 21B PIC AEC Project Proposal V8.doc	Authorised: AEC Co ordinator		

5.3.6	If the animal facilities/equipment do not comply with the relevant Codes or other agreed standards then describe and justify.
5.3.7	Workplace Health and Safety
	Describe any workplace health and safety issues concerning the activity. Procedures to be implemented to ensure health and safety of project personnel and employees.
5.3.8	Trial pig identification
	Describe the system you will use to clearly identify trial pigs on farm records so that traceability is maintained for the duration of their time on farm.



Company: PIC Australia Pty Ltd	Issue date: 10 July 2024		
Document: 21B PIC AEC Project Proposal V8.doc	Authorised: AEC Co ordinator		

6. People and Procedures Involved in the Project

6.1 People and Procedures

Provide details for each person who will be involved in the project. Please note that any future change to the list of people involved in the project and/or their details requires AEC approval of the amendment. Additional rows can be added by using the "Tab" key.

Person's name location and organisation	Role in Project	List each procedure the person may perform in the project (may enter 'all in 4.1' if appropriate)	Relevant qualifications and experience	Do you assure the AEC that this person is competent to perform each listed procedure or will be supervised by a competent person)? (Y/N)	Legal basis for this person's use of animals * (eg enter '2' for staff acting in the course of their retainer)	Name of registered person to whom this person is responsible: (enter name shown on Scientific user Registration Certificate)	Registration Number: (enter number shown on Scientific User Registration Certificate)
							(hit "Tab" key to add more rows)

^{*}Use the following numeric Code to describe the legal basis on which the person is authorised to use animals for scientific purposes under the Animal Research Act 1985:

- 1. A registered person;
- 2. An individual retained (ie employed or engaged whether or not for remuneration) by a registered person acting in the course of their retainer;
- 3. A student at a college, institute, school, university or other institution that is registered and acting in the course of their studies with the institution.



Company: PIC Australia Pty Ltd	Issue date: 10 July 2024
Document: 21B PIC AEC Project Proposal V8.doc	Authorised: AEC Co ordinator

6.2 Routine monitoring and euthanasia

These are the people who will provide routine monitoring and care during weekdays and at weekends and holidays. Please ensure those indicated as authorised to treat animals comply with the Veterinary Practice Act 2003 New South Wales. If rows are insufficient, copy table to a new page.

Person's name, location and organisation	Person's contact details	Indicate the procedure the person may perform	Do you assure the AEC that this person is competent to perform each listed procedure <u>or</u> will be supervised by a competent person (Y/N)
		Undertake routine animal monitoring	
		Recognise sick, injured, or moribund animals	
		Treat animals	
		Euthanase animals	
		Undertake routine animal monitoring	
		Recognise sick injured or moribund animals	
		Treat animals	
		Euthanase animals	
		Undertake routine animal monitoring	
		Recognise sick injured or moribund animals	
		Treat animals	
		Euthanase animals	



PIC Australia Itd	
Document: 21B PIC AEC Project Proposal V8.doc	Authorised: AEC Co ordinator
Company: PIC Australia Pty Ltd	Issue date: 10 July 2024

Underta monitor	ke routine animal ing	
=	se sick injured or d animals	
Treat an	imals	
Euthana	se animals	
Underta monitor	ke routine animal ing	
	se sick injured or d animals	
Treat an	imals	
Euthana	se animals	



Company: PIC Australia Ltd	Issue date: 23 November 2021
Document: PIC AEC Project Proposal V5.doc	Authorised: Quality Manager

Appendix 1

Australian Model		Coles European		convention for the Protection of		
Code of Practice-Pigs		specifications	Vertebrate Animals Used for Experimental and			
	- 19-		other Scientific Purposes			
Pig Weight	Minimum space allowance m ² / pig	Minimum space allowance m2/pig (deep litter)	Pig Weight	Minimum floor area per animal (m²/ pig)	Minimum lying area per animal (in thermoneutral conditions) - m2/ animal.	
1kg	0.03	0.03 (0.04)	Up to 5	0.20	0.10	
o .			kgs			
5kg	0.09	0.09 (0.12)	5-10kgs	0.25	0.11	
10kg	0.14	0.15 (0.19)	10-20kgs	0.35	0.18	
20kg	0.22	0.23 (0.30)	20-30kgs	0.50	0.24	
30kg	0.29	0.31 (0.40)	30-50kgs	0.70	0.33	
40kg	0.36	0.37 (0.48)	50-70kgs	0.80	0.41	
50kg	0.41	0.43 (0.56)	70-100kgs	1.00	0.53	
60kg	0.47	0.49 (0.64)	100- 150kgs	1.35	0.70	
70kg	0.52	0.54 (0.71)	Over 150kgs	2.50	0.95	
80kg	0.57	0.59 (0.77)	Adult	Min enclosure size 7.5 m ²	1.30	
90kg	0.61	0.64 (0.83)	Boars	Min enclosure size 7.5 m2	1.30	
100kg	0.66	0.69 (0.90)				
110kg	0.70	0.73 (0.95)				
120kg	0.74	0.78 (1.01)				
Gilts in group housing	1.00	1.5				
Sows in group housing	1.4	1.5				
New crate installations	0.5 X 2	0.5 x 2 (but 24 hr limit)				
Farro wing crate & creep area	3.2	3.2				
Boars in individual pens (living space)	6.0	6.0 (3 .6m2 minimum pen size)				
Adult pigs in stalls Sows Boars	0.6 X 2.2 0.7 X 2.4					
Farrowing pen	5.6/sow					



Company: PIC Australia Pty Ltd	Issue date: 10 July 2024	
Document: 21B PIC AEC Project Proposal V8.doc	Authorised: AEC Co ordinator	
PIC Australia Ltd		

7. Projects in New South Wales

_

8. New South Wales Department of Primary Industries Requirements

New South Wales Department of Primary Industries Renewal of Accreditation as an Animal Research Establishment conditions:

- That any inspection is satisfactory
- Unless otherwise approved by the AEC, animals should be housed in accordance with the ARRP guidelines on animal housing for specific species found at http://www.animalethics.org.au/policies-and-guidelines/animal-care
- The only research that may be conducted in NSW is studies using pigs located at 314 River Road, Grong Grong, NSW 2652 and 389 Pinehope Rd, Grong Grong NSW 2652.
- The Pig Improvement Company Australia Animal Ethics Committee must inspect the pig facilities at 314 River Road, Grong Grong NSW 2652 and 389 Pinehope Rd, Grong Grong NSW 2652 at least twice annually. The inspections will be organised by the AEC and should be carried out while research is being conducted at the facility. It is the responsibility of the principal investigator to inform the administration officer of the PIC AEC when the project has commenced.



Company: PIC Australia Pty Ltd	Issue date: 10 July 2024	
Document: 21B PIC AEC Project Proposal V8.doc	Authorised: AEC Co ordinator	
PIC Australia Ltd		

9. Declarations

Title of Project - Repeat here as this page is sometimes faxed separately with all signatures.			

Applicant

I, being the applicant or their duly authorised agent, assure the AEC that:

- Adequate resources will be available to undertake the project
- I and all others involved in the project are familiar, and will comply with the requirements of the *Animal Research Act 1985 New South Wales, Animal Research Regulation 2021, the Australian code for the care and use of animals for scientific purposes, 8th Edition 2013 and all other relevant Commonwealth and State legislation*
- I and all others involved in the project are familiar, and will comply with the requirements of the Animal Research Act 1985 New South Wales
- I will ensure that all personnel involved will comply with all requirements of New South Wales Department of Primary Industries
- I and all others involved in the project will adhere to all requirements of the AEC including the provision of reports, notices and advices
- Details of findings must be reported in annual and final reports as required

Name:	Position:
Signature:	Date:

Project Personnel

We the undersigned assure the AEC that:

- I am familiar with, and will comply with the requirements of the Animal Research Act 1985 New South Wales, Animal Research Regulation 2021, the Australian code for the care and use of animals for scientific purposes, 8th Edition 2013 and all other relevant Commonwealth and State legislation
- I and all others involved in the project are familiar, and will comply with the requirements of the Animal Research Act 1985 New South Wales
- I will ensure that all personnel involved will comply with all requirements of New South Wales
 Department of Primary Industries
- I will adhere to all requirements of the AEC

Name:	Position:	
Signature:	Date:	
Name:	Position:	
Signature:	Date:	



Document: 21B PIC AEC Project Proposal V8.doc PIC Australia Ltd	Authorised: AEC Co ordinator	
AEC Project Proposal to Use Animals for a Scientific Purpose		

Name:	Position:
Signature:	Date:

NB: The signed authority from the host farm company for collaborative projects must be attached. (Copy page if required)