



Company: CHM Alliance Pty Ltd	Issue date: 29 June 2020
Document: 31 AEC Standard Westbrook Sow Research Proposal V3.doc	Authorised: Quality Manager
<b>Standard Westbrook Sow Research Project Proposal to Use Animals for a Scientific Purpose</b>	

<b>Title of Project:</b>
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This form is to be used for submission to the CHM Alliance Pty Ltd Animal Ethics Committee (AEC) for Research project proposals for standard Westbrook proposals as defined in Standard Operating Procedures.

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

### Important Notices

The CHM Alliance 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 *Animal Care and Protection Act 2001*, the *Australian code for the care and use of animals for scientific purposes, 8<sup>th</sup> Edition 2013* (the Code) and all other relevant Commonwealth and State legislation.
- The submission of all necessary reports, notices and advices as required by the AEC.

Investigators and trainers involved in the scientific use of animals have personal responsibility for all matters related to the welfare 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 welfare as an essential factor when planning and conducting projects.

*Note: Numbering on this proposal mirrors the extended version of the CHM Alliance Animal Ethics Committee Project Proposal. Sections that are addressed in SOPs have been omitted.*

AEC USE ONLY			
<b>Proposal Reference Number:</b>		<b>Date Assessed:</b>	
Assessment Category: (cross one box only)			
<input type="checkbox"/> Approved as submitted			
<input type="checkbox"/> Approved subject to modifications			
<input type="checkbox"/> Amend prior to resubmission			
<input type="checkbox"/> Pending			
<input type="checkbox"/> Rejected			
Signature of Chair:			
Initials of Members			
Category A:	Category B:	Category C:	Category D:
Monitoring concerns:			



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### 1.1 Title of Project

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### 1.2 Applicant Details - Applicant's contact person details

<b>Company: CHM Alliance Pty Ltd</b>		
<b>Name: Tracy Muller</b>		
<b>Address: 210 Bunkers Hill School Rd, Westbrook. Qld 4350</b>		
<b>Relationship to Applicant (eg employee, consultant, vet etc): Research Associate</b>		
<b>Phone: 0427 416 941</b>	<b>Fax: 07 4630 6321</b>	<b>email: tracy.muller@sunporkfarms.com.au</b>

### 1.3 Description of animals used in project: Refer SOP 9.1 Standard Westbrook Facility Project Proposal also technology involvement, joint project and another AEC

Put total for project here with detail in 3.3 for individual trials if required, fill out as appropriate for the species to be used (domestic mammals - pig; birds - poultry). If rows are insufficient attach a separate appendix detailing complete animal list.

Animal Type	Scientific name	Class	Sex*	Number
Pigs	Sus scrofa domestica			
Total number of animals to be used for this project (include control and replacement animals)				
*Use either: Prenatal, Newborn, Juvenile / Weaner, Adults, Genetically Modified Organisms, others (describe)				

### 1.4 Categorisation of teaching/training and research uses of animals

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	Type of Project	Type of Procedure
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Category		
1	Non-research	Normal husbandry procedures including pregnancy testing
2	Teaching activity with low impact on animals	Demonstration of vaccination, oral-dosing
3	Teaching activity with greater impact on animals	Demonstration of livestock euthanasia
4	Research with limited impact	Designed experiments using normal husbandry practices
5	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 SOP
6	Activities with severe animal welfare implications	LD50 tests restricted under the Animal Research Act. Approval only by the Minister.

### 1.5 Proposed start and end dates of the project:

**Start Date:**                      **End date:**                      *(3 years max duration)*

### 1.6 Special consideration: Refer SOP 9.1 for technology involvement, joint project and another AEC

Funding: Identify the principle source of funding for this project:

Nature of the funding source ie CHM Alliance 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 <sup>st</sup> Named Investigator on funding application:
Administering Organisation/Institution: CHM Alliance Pty Ltd
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?

## 2. Justification for Animal Use (justification)

### 2.1 Big Picture Background



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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.

**Glossary:**

**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

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2.2.2 If all or some of this project is a *repeat* of work that has been done already, provide justification for this project. Include a literature review and details of reasons for performing this trial

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2.2.3 Explain why you need to use live animals to achieve all or some of your aims.

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2.2.4 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.

This work needs to be conducted on live pigs to achieve the objectives of the experiment

**3. Experimental Design of Project (reduction/refinement)**

**3.1 Justification for number of animals – refer SOP 9.2 Experimental Design of Project**



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Justify why the proposed number of animals is appropriate to achieve the aims.

Recommended that a group of 20 sows be the minimum required to show significant difference. (*pers comm* Prof Paul Hemsworth (University of Melbourne))

**3.2 Where applicable include a table showing treatments and group sizes and outlining trial design in this space**

Design type: Randomised Allocation	
Number of treatments:	Treatment type:
What is the experimental unit? Individual sow	
Number of experimental units (replicates) per treatment:	
Total number of experimental units for the experiment:	
Number of animals per experimental unit (if relevant):	
Primary variable: Sow behavior and physiological response	

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

**4.1 Sequence of procedures and details of procedures- Refer to SOPs 9.1 Standard Westbrook Project Proposal; 9.3 Standard Project Sequence & Details of Procedures; 9.4 Weigh Research Pigs; 9.5 Monitor Feed, Water & Health of Research Pigs; 9.11 Blood Sampling of Research Pigs; 9.12 Heart Rate Monitoring of Sows; 9.20 Sow Body Condition Calipers; 9.21 Measuring Backfat Using Ultrasound**

Blood sampling required YES NO

Detail number of samples and volume required and timing of collection/s:

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Are pigs required to be bled more than once during the project: YES NO

If yes, provide details:

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What will happen to the samples after they have been collected and how will they be stored?

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Where will the samples be analysed? (Laboratory name and certification number if applicable):

Add information for repeated procedures:

Feed Analysis required

YES

NO

Number of diets to be analyzed

Analysis required

If yes, provide details ie CP MJ DE:

Time frame for analysis of feed samples (results required before 1<sup>st</sup> major event of trial ie blood sampling, euthanasia)

How will feed samples be stored and for how long?

Where will the samples be analysed? (Laboratory name and certification number if applicable):

Other information required:

Samples required and collection as recommended by AEC:



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Add information for repeated procedures:

Time Schedule Table:

#### 4.2 Emergency contact details SOP 9.8

#### 5. Animal ownership, location, housing and management of sows SOP 9.6.1

Trial pig identification details:

#### 6. People and procedures involved in the project SOP 9.7

#### 7. Declarations

##### Title of Project

Repeat here as this page is sometimes faxed separately with all signatures.

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##### Applicant

I, being the applicant or its 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 Care and Protection Act 2001, *Australian code for the care and use of animals for scientific purposes, 8<sup>th</sup> Edition 2013* and all other relevant Commonwealth and State legislation
- I and all others involved in the project will adhere to all requirements of the AEC including the provision of reports, notices and advices

<b>Name:</b> Tracy Muller	<b>Position:</b> Research Associate
<b>Signature:</b>	<b>Date:</b>

##### Project Personnel

We the undersigned assure the AEC that:

- I am familiar with, and will comply with the requirements of the Animal Care and Protection Act 2001, the *Australian code for the care and use of animals for scientific purposes, 8<sup>th</sup> Edition 2013* and all other relevant Commonwealth and State legislation



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- I will adhere to all requirements of the AEC

<b>Name: Steve Peucker</b>	<b>Position: Technical Officer</b>
<b>Signature:</b>	<b>Date:</b>
<b>Name: Andres Corso</b>	<b>Position: Facility Manager</b>
<b>Signature:</b>	<b>Date:</b>
<b>Name: Shaunn Jannusch</b>	<b>Position: Research Technician</b>
<b>Signature:</b>	<b>Date:</b>

*(Copy page if required)*