



- (j) detailed designs of the tanks and associated piping for effluent waste from the piggery to demonstrate that seepage and overflow of waste does not occur and that odours are prevented from escaping during vacuum extraction and transfer of effluent to waste collection vehicles;
 - (k) auditing as part of the piggery's ISO9000 accreditation;
 - (l) identification of the disposal technique for dead animals, and if burial is proposed, the siting based on the determination of the water table level and prevention of contamination to surface and groundwaters.
- 12 The number of pigs kept on the site at any one time shall not exceed 200. The operation shall otherwise accord with the requirements of a piggery having an R-value of 500 as set out in the Code of Practice – Piggeries – 1992.
- 13 All trees and shrubs included in the approved Landscaping Plan shall be planted within six (6) months of the completion of the development hereby permitted (or within 6 months of the commencement of the use, whichever shall occur first) and shall thereafter be maintained in a healthy condition to the satisfaction of the Responsible Authority and any dead or diseased trees shall be replaced as soon as possible.
- 14 Prior to commencement of the use hereby permitted the operator shall acknowledge and endorse the contents of the Environment Management Plan and shall undertake to conduct the use in accordance with the matters contained in that document. The Environment Management Plan is deemed to be part of this permit and compliance with each of the provisions contained therein is a condition of this permit.
- 15 The use of the land for the piggery shall at all times be conducted in accordance with the endorsed development plan and environment management plan as provided with the planning application and conditions of this planning permit.
- 16 The piggery shall at all times be established and operated in accordance with the Code of Practice – Piggeries, Revised 1992, (or any subsequent revisions), to the satisfaction of the responsible authority. If there are any inconsistencies between the conditions of the permit and the Code of Practice, the conditions of this permit and the Code of Practice, the conditions of the permit prevail.
- 17 The use must be conducted to the satisfaction of the responsible authority so that the amenity of the area is not detrimentally affected by the use, through the:
- (a) Transportation of materials, goods or commodities to or from the land
 - (b) Appearance of any buildings, works or materials.
 - (c) Emission of noise, artificial light, vibration, smell, fumes, smoke, vapour, steam, soot, ash, dust, wastewater, waste products, grit or oil.
 - (d) Presence of vermin;
- 18 Top Soil stripped from the site shall be spread on any exposed batters and exposed soils will be revegetated with perennial grasses and appropriate indigenous vegetation as soon as possible after construction.

Date Issued: 17.6.2003
 Amended: 10.1.2005
 (Condition 40 corrected)
 Page 3 of 6
 FORMS/DEVELOP/PLANNING/F12

Signature for the
 Responsible Authority:

ALICIA TE WIERIK
 DEVELOPMENT MANAGER

REV-06/03



19. The use shall be operated as a 200 Boar Piggery and associated Laboratory only and the provision for the collection and disposal of solid wastes and for the collection, treatment and disposal of any wastes arising from the development and use hereby permitted shall be in accordance with the requirements of the Environment and Protection Act 1970, the Health Act 1958, or any like subsequent statutory provisions, subject always to the conditions attached to this permit.
20. If the Responsible Authority determines that the amenity of nearby residents is adversely affected in the emission of an unreasonable level of odour from the piggery the operators must immediately take actions and/or undertake works to rectify the emission of offensive odour.
21. All wastes from the piggery must be contained within the piggery compound and/or transported off site and must not result in run-off of contaminated water into surface waters or contaminate any groundwater.
22. The loading and unloading of vehicles and the delivery of goods to and from the premises must at all times be carried on entirely within the site and be so conducted as to cause minimum interference with other traffic.
23. The surface of the car parking and loading areas and access lanes must be constructed and maintained to the satisfaction of the Responsible Authority to prevent dust and drainage run-off causing a loss of amenity to the area.
24. No external floodlighting shall be installed without the written permission of the Responsible Authority.
25. All vehicles used in the pick-up and transportation of pigs during the night time hours shall be to the satisfaction of the Responsible Authority and the permit holder shall use its best endeavours to ensure that such activities do not cause any detriment to the amenity by noise or excessive vehicle movements.
26. All walls of the buildings hereby permitted that will be exposed to general view shall be well maintained to the satisfaction of the Responsible Authority.
27. All goods and materials must be stored out of view or so as not to be unsightly when viewed from nearby roads to the satisfaction of the Responsible Authority.
28. A minimum of 10,000 litres on site static storage of stormwater collected from the roof of the building shall be provided. Such water supply shall be used as a supplementary water supply for the use of the land for a piggery and for fire fighting purposes.
29. Water Supply will be 'by agreement' as the property is not fronted by a gazetted water main.
30. Barwon Water reserves the right to restrict storage tank filling times. If Barwon Water considers that supply to existing/future users is adversely affected.
31. Any works and service charges deemed necessary for the development by Barwon Water will be required to be funded by the developer.

Note: The Developer should contact our Lonsdale Street office to apply to Barwon Water for details relating to the water supply by Agreement.

Date Issued: 17.6.2003

Amended: 10.1.2005

(Condition 40 corrected)

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Signature for the
Responsible Authority

ALICIA TE WIERIK
DEVELOPMENT MANAGER

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Note: Based upon the water demands as detailed in 3.7 of Pork Storks Planning Application, water supply could be provided to the proposed development from the existing 150mm diameter main that runs along the Midland highway to the west of the property. Due to the relatively small water demand of the proposed development there should be no need to impose any restrictions on the times at this stage.

- 32 Uncontaminated stormwater/roof runoff must be separated from the effluent system, and collected within the plant.
- 33 Contaminated storm water must be directed to the sump. If the effluent collection sump cannot handle the volume, then the plant must be designed to allow for the separate collections of contaminated stormwater.
- 34 Areas where accidental spillage of effluent could occur must be adequately bunded or sloped to drains and directed to storage or effluent collection sump.
- 35 All polluted runoff be contained and prevented from entering the waterways at all times.
- 36 There must be no removal of native vegetation for the development of the piggery.
- 37 Any proposed revegetation work or buffer planting must be established with local indigenous species as identified in the Trees and Shrubs of the West Port Phillip Region (Zone 19 Leigh, Barwon and Moorabool Rivers and Zone 20 Western Basalt Plains).
- 38 All stormwater and run off must be intercepted and redirected away from the catchment areas of the sump and any effluent collection channels.
- 39 There must be no irrigation of wastewater on saturated soils or during rainfall events.
- 40 There must not be effluent reuse within 200 metres of the Moorabool River and 200 metres of any tributary.
- 41 Before the use and development starts a waste management plan for the disposal of piggery effluent must be prepared in consultation with the Environment Protection Authority, to the satisfaction of the Department of Sustainability and Environment.
- 42 Any wastes arising from the piggery must be managed so that there is no discharge of pig effluent from the land, or intrusion into waterways passing near or through the premises. EPA Publication 660 'What solid wastes can I dispose of on my farm' should be referred to as a guide for solid waste disposal.
- 43 That in the absence of a sewer disposal system, permits for buildings with the potential to generate effluent shall require that the site is capable of containing an appropriate water treatment system and that the setback distance for the disposal of septic tank effluent in accordance with EPA's Code of Practice – Septic Tanks 1996 (publication 451).
- 44 The piggery must not be established on land prone to flooding as defined by 100 year Annual Recurrence Interval (ARI) flood.

Date Issued: 17.6.2003

Amended: 10.1.2005

(Condition 40 corrected)

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Signature for the
Responsible Authority

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DEVELOPMENT MANAGER

REV 06/03



- 45 The effluent treatment system and reuse of effluent to the land must not cause detriment to the beneficial use of town water. The effluent treatment system must not be located within 20 metres of a ground water bore and 800 metres from a ground water bore that is used as potable water supply by a regional water authority.
- 46 In accordance of recent changes to the Water Act 1989 'Farm Dam Bill', if any works will impact on a waterway or ground water or will include the use of water from a dam, it will be necessary for the applicant to apply to Southern Rural Water for a licence in accordance with Section 51 or 67 of the Water Act 1989, noting that the proposed water supply will include the use of water from dams and possibly from the Moorabool River.

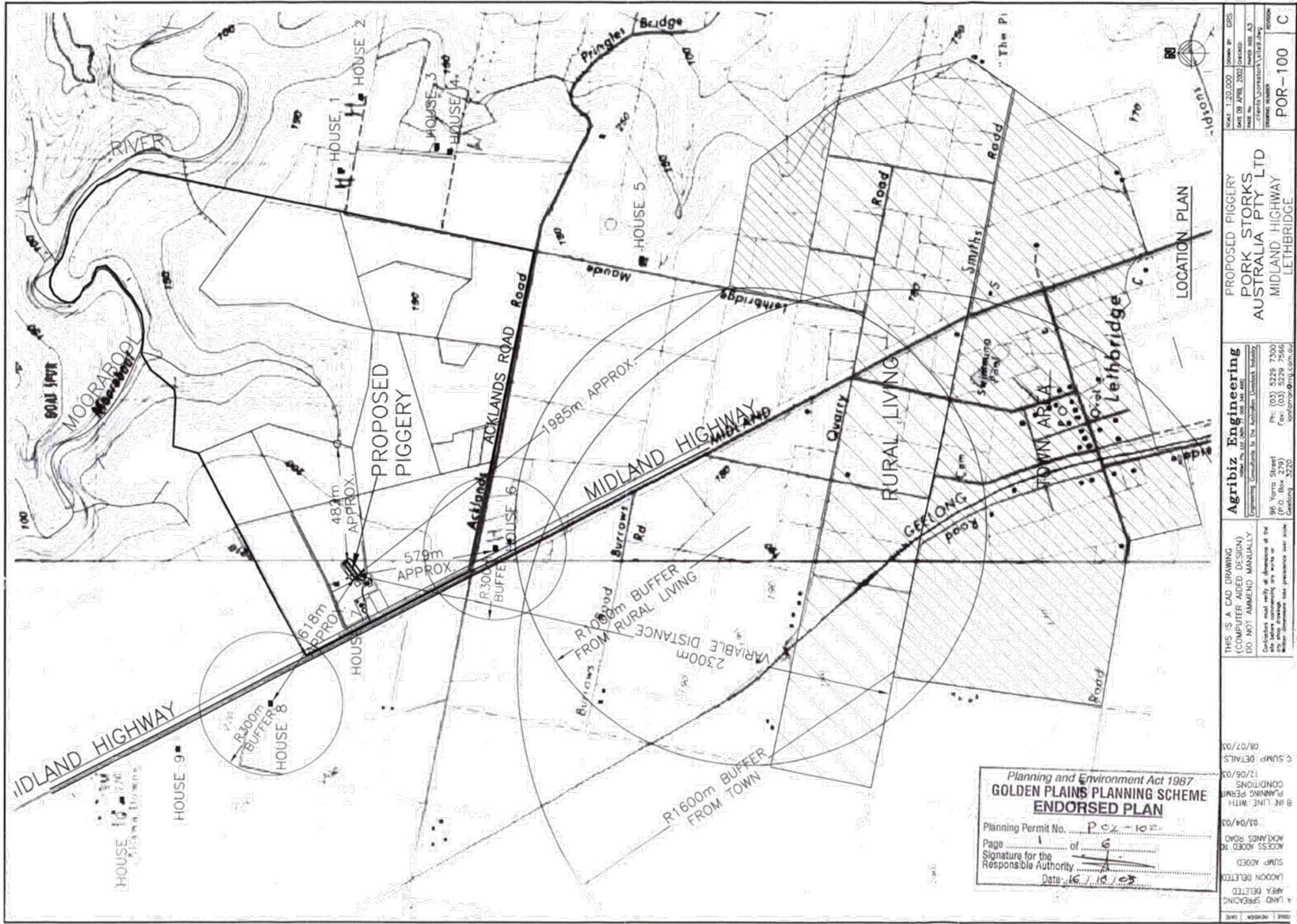
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Amended: 10.1.2005
(Condition 40 corrected)
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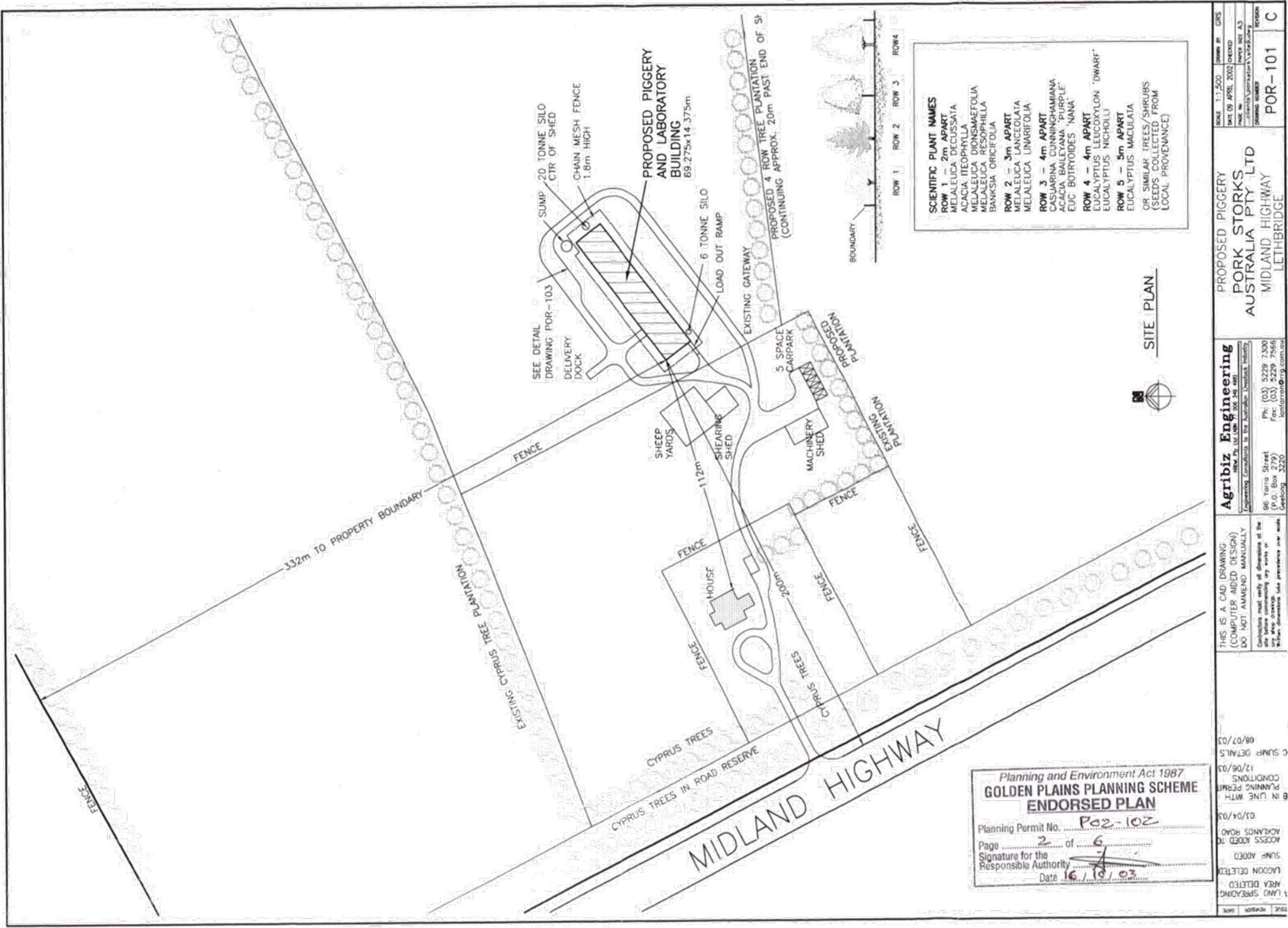
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Responsible Authority:

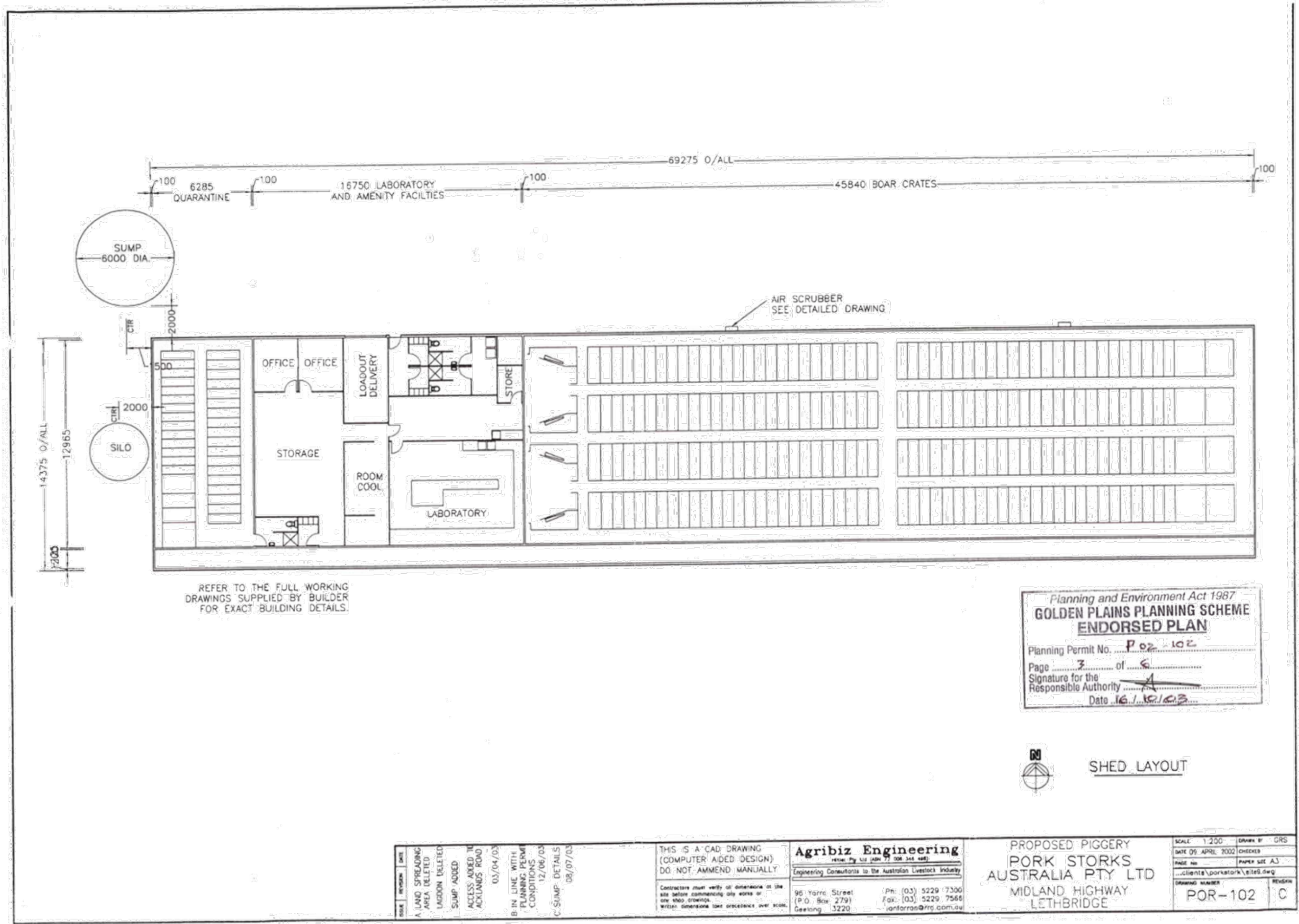
ALICIA TE WIERIK
DEVELOPMENT MANAGER

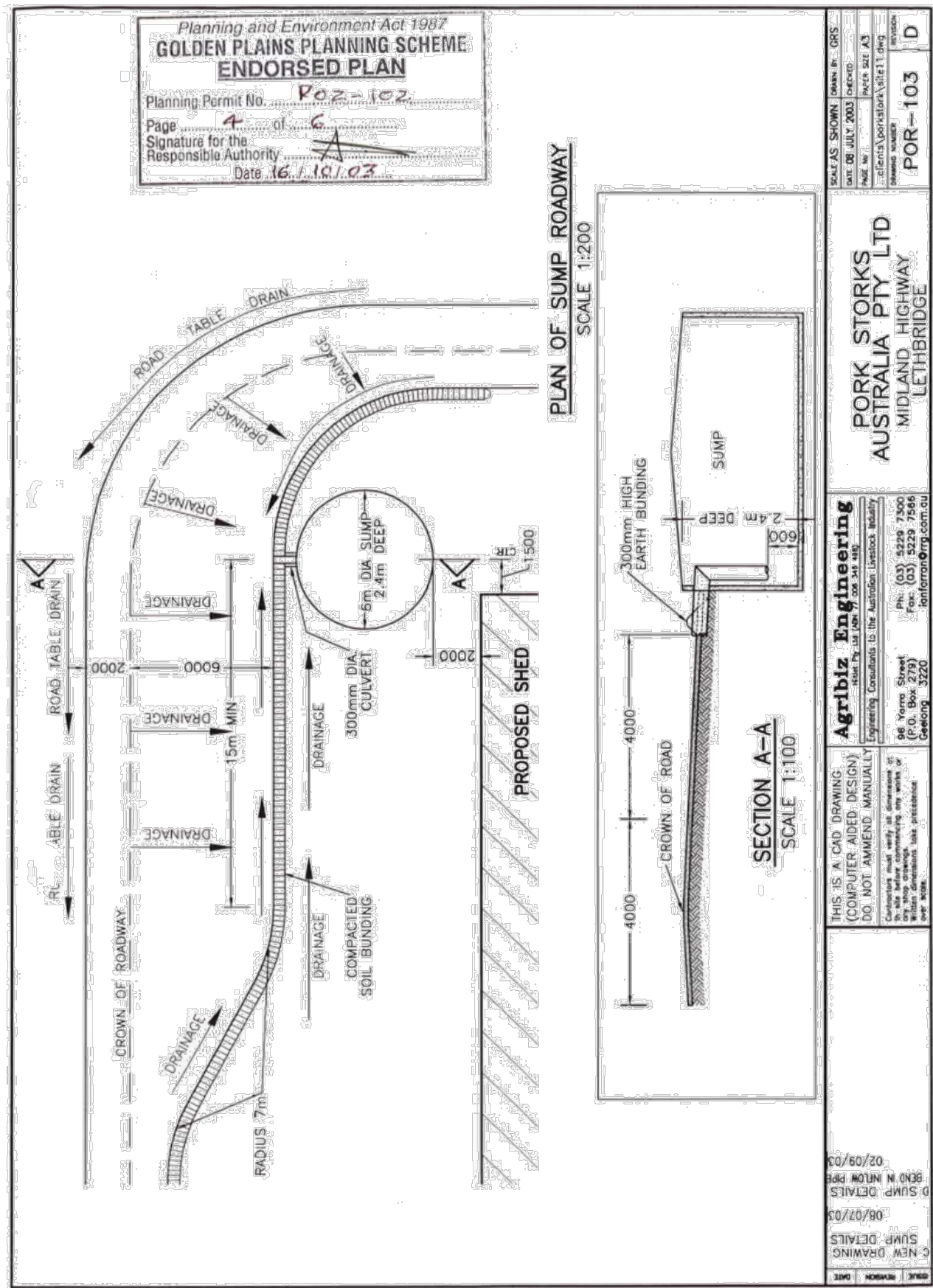
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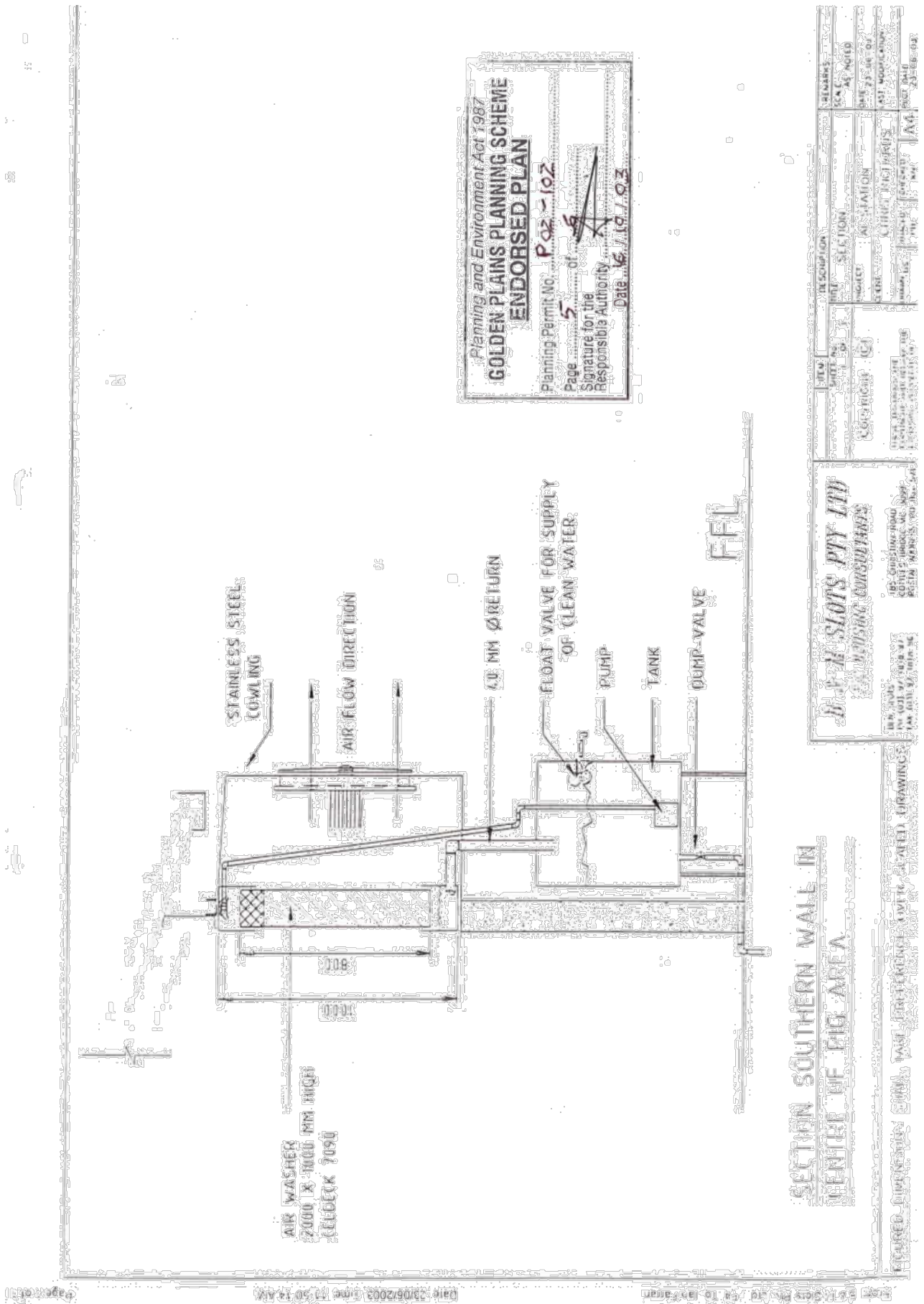
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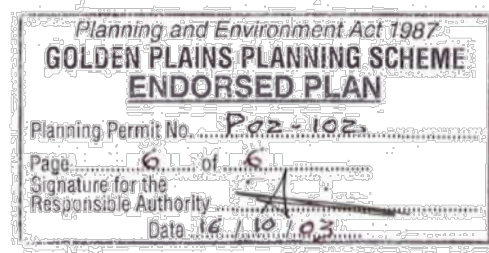






Environmental Management PlanPorkstorks Pty Ltd**ENVIRONMENTAL MANAGEMENT PLAN****(Incorporating the Waste Management Plan)****Piggery Name:** Pork Storks**Location:** 3140 Midland Highway**Land:** Lots 1, 2 and 3, LP 130617, Parish of
Coolebarghurk, Midland Highway,
Lethbridge.**Operator:****Postal Address:** 3140 Midland Highway Lethbridge**Owner:** Pork Storks Australia Pty Ltd

144 Murphy Street, Bendigo 3550

Telephone: 03 54 42 6142**August 2003**c:\documents and settings\p12\my documents\c1e\porkstorks\emp 4.doc
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ENVIRONMENTAL MANAGEMENT PLAN

1. SCOPE

The Pork Storks Piggery has a permitted capacity of 200 pigs in 1 conventional concrete piggery structure with an Artificial Insemination Preparation Laboratory and a pig receival room at the western end.

This Environmental Management Plan is for the piggery its surrounds, effluent tankers and any associated land used from time to time to be applied with liquid pig effluent.

2. ENVIRONMENTAL POLICY

The Pork Storks Australia Pty Ltd Piggery management states that its environmental policy is to provide, operate and maintain an effective piggery waste management system that is feasible to protect the environment.

In addition, the piggery and its staff will pursue waste minimization (feed, water, energy and chemicals) practices for the benefit of the environment, safety of our fellow employees and the continued success of our boar semen collection and distribution business.

Signed Manager/Operator :

Signed Managing Director :

Dr Chris Richards

3. ENVIRONMENTAL MANAGEMENT PLAN

3.1 Legal Framework in which Piggery Operates.

- Environment Protection Act 1970.
- Code of Practice Piggeries.
- Water Act 1989.
- Health Act 1958.
- Planning and Environment Act 1987.
- Conditions of Planning Permit.
- Catchment and Land Protection Act 1994.
- Corangamite Catchment Management Authority.
- Livestock Diseases Act Control, 1994.
- Occupational Health & Safety Act, 1985.

The conditions of the permit are attached. (See APPENDIX 1 - Conditions of Permit.)

3.2 Environmental Objectives and Targets

The piggery's environmental objectives are that the operation should not lead to:

- Any reduction of the beneficial uses of surface or groundwaters, or ecosystem disruption which would result from an excess of organic matter, nutrients, salts, chemical and biological contaminants required for productive agriculture.
- Any unacceptable changes in soils to which effluent is added, including structure loss, onset of or increased salination, acidification, chemical and biological contamination, waterlogging, soil loss via erosion, or decrease in permeability.
- Intolerable off-site impact on the community, for example, odours, noise, visual impact or traffic noise.

Achievement of these environmental objectives requires that the piggery operation is managed to protect:

- surface waters;
- groundwater's;
- soils;
- vegetation;
- public amenity;
- air quality.

Environmental Management PlanPorkstorks Pty Ltd

The piggery's environmental targets and/or specific objectives are:

- Reduce feed wastage by 50%. This will be monitored by feed conversion monitoring and visual inspection by employees and management.
- Avoid contaminating any runoff from the piggery property.
- Avoid contaminating any runoff from any property receiving liquid effluent.
- To contain any odour or noise impacts within the boundaries of the property.
- Nil incident reports in the recording book with respect to odour, noise, dust and runoff contamination.

3.3 Environmental Management Program

The waste management system for the boar housing system consists of the following processes:

Collection:

The wastes are collected below the slats in concrete channels with a depth of water about 75mm on the floor of the channel to minimize odour.

The liquid wastes are periodically released (fortnightly) into the sump from where the vacuum tanker is filled.

Land Utilisation:

The vacuum tanker will transport the liquid wastes to selected paddocks which fulfill the criteria listed in section 5, every fortnight on average.

Cleaning:

Every week the piggery will be dry cleaned and then hosed to maintain cleanliness inside the pig shed to minimize odour generation.

Inputs:

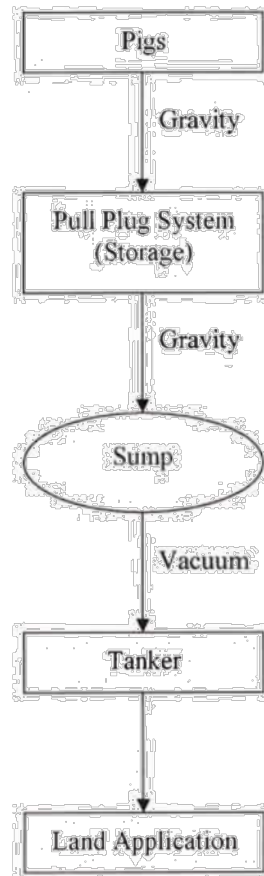
Pigs / year through	about 16 every 2 months
Feed tonnes / year	200
Water ML / year	1.2 ML

3.3.1 Output

Liquid Effluent	949 tonnes / year removed from sheds
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Environmental Management Plan**Porkstorks Pty Ltd**

The following flow chart shows the processes involved in the piggery waste management operation.



4. IMPLEMENTATION AND OPERATION

The Manager/operator of the Piggery organises the day to day operation of the waste management system. This includes the cleaning out of the piggery, release of the pull plug flushing system, organizing the vacuum effluent tanker, organizing access to land application areas. As well as the on going monitoring and maintenance of the waste management system and piggery facilities.

4.1 Equipment Register

(Enter details when known)

5. CRITERIA FOR LAND APPLICATION OF LIQUID PIGGERY WASTES

Any land to receive liquid pig effluent applied by the tanker must meet the following criteria (as defined in the Code of Practice - Piggeries):

- A buffer distance of at least 100 metres is to be retained between surface water as defined in SEPP 1 (Waters of Victoria, 2003) and liquid pig effluent application areas.
- A buffer distance of at least 200 metres is to be retained between defined water courses supplying potable water (including tributaries to the Moorabool River) and liquid pig effluent application areas.
- Be situated at least 10 kilometres from the intersection of Russell Street and the Midland Highway in Lethbridge.
- No effluent is to be applied to saturated soils or to soils with a moisture content in excess of field capacity in the top 100 mm surface layer.
- Effluent is not to be applied at a depth of greater than 5mm in one pass in any year.
- Effluent is not to be applied to land with a slope greater than 10 degrees.
- 500 metres from any inhabited residence
- 800 metres from any potable water supply offtake controlled by a statutory authority
- No liquid piggery waste should be applied to land if rain is forecast in the application area.
- Refer also to Section 6 of this Environmental Management Plan.

6. MONITORING

Objectives:

1. Waste minimization
2. Odour management and minimisation
3. Check against the Environmental Management Plan and hence confirm compliance with regulatory requirements.
4. To show continued improvement in environmental management.

Environmental Management PlanPorkstorks Pty LtdEnvironmental Risks:

1. Sump overflow
2. Vacuum hose disconnects from effluent tanker
3. Water leak in shed flooding effluent collection
4. Power failure
5. Odour from shed, or sump or effluent disposal area
6. Management of pig burial area
7. Tanker operator error in application of liquid effluent to land
8. Waterway contamination

(NB. DEAD ANIMALS THAT ARE TO BE BURIED ON SITE SHALL BE COVERED IMMEDIATELY)

The following information will be collected to allow monitoring for the above objectives:

1. Feed usage generated monthly. Inspection for waste feed, on going husbandry practice.
2. Incident recording book, detailing any equipment breakdowns, accidental spills, complaints, by date, time and action taken.
3. A record of volume of liquid piggery wastes removed on a batch basis will be created.
4. Prior to applying wastes to land an analysis of the liquid manure material be taken for total Kheldahl Nitrogen, total and available phosphorus and Potassium. Sampling will be done 3 times in the first year, then annually for 2 years, to build up data of nutrient content.

Required to determine application rates onto the land, so as to match application against build up of fertility and removal by plant growth.

5. Prior to land application a representative soil test for fertiliser recommendations be undertaken as appropriate for the spreading regime.

Required to match application rate with current fertiliser recommendations (more applicable in years to come as fertility of land is improved)

6. Monitoring of the system will consist of paddock soil testing as for fertilizer recommendations on a minimum of a yearly basis for paddocks that are to receive liquid wastes, analysis to include available phosphorus, total nitrogen and nitrate.
7. Weekly check of air scrubber to manufacturers recommendations, as a minimum check:

- Pump is operating
- Celdeck is clean
- Fan is operating
- Float valve operating
- Odour emitting is not offensive

Rectify any issues ASAP.

8. Record when the dump valve is activated.

9. SUBMIT DETAILED DESIGN OF EFFLUENT TANKS AND ASSOCIATED PIPING PRIOR TO THE USE COMMENCING TO DEMONSTRATE THAT SEEPAGE AND OVERFLOW OF WASTE DOES NOT OCCUR AND THAT ODOURS ARE PREVENTED FROM ESCAPING DURING EXTRACTION AND TRANSFER OF EFFLUENT TO WASTE COLLECTION VEHICLES

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4/6/2018

Environmental Management Plan**Porkstorks Pty Ltd****6.1 Incident Report***(any abnormal occurrence, i.e. Odour, Spills, Runoff, Breakdown, Maintenance)*

(Note: ACTION PLAN Any verified odour complaint or discharge of effluent or effluent contaminated stormwater to be notified within 24 hours to the Environment Protection Authority phone Geelong Office 1800 444 004, and the Responsible Authority (Golden Plains Shire 5220 7111 is to be notified of the event and the actions taken.

DATE**TIME****REPORTED BY**
contact details**DETAILS :****ACTION TAKEN :****MANAGER NOTED****DATE****DATE****TIME****REPORTED BY**
contact details**DETAILS :****ACTION TAKEN :****MANAGER NOTED****DATE**

6.2 Liquid Effluent Removal From Property

[illegible]

Environmental Management Plan

Porkstorks Pty Ltd

6.3 Air scrubber weekly check

[illegible]

Environmental Management Plan

6.4 Emergency Contacts : (enter details when known)

Manager/Operator : _____ To be appointed

Managing Director : 0429 843 184
Dr Chris Richards

Maintenance : _____ To be advised when known

Electrical : _____ Kevin Mathews
0419 589 434

7. AUDIT GROUP

An audit group comprising one representative from each of: the Golden Plains Shire (Responsible Authority), the Environment Protection Authority, the Piggery Owner, the Piggery Manager, and Lethbridge Environmental Group Inc. must meet every six months from the commencement of the use for the first two years and then at least annually thereafter.

The audit group will:

- review the performance of the piggery and its staff in implementing this EMP
- in the event of an environmental complaint to the EPA or responsible authority involving the piggery, as soon as practical or within 21 days meet and investigate the complaint and that appropriate subsequent action has been under taken
- Should there be a necessity for the group to record details:
 - Date
 - Complaint
 - Reference to the EPA
 - Action taken
 - Achieved result

8. ENVIRONMENTAL MANAGEMENT REVIEW

In March each year the Piggery Manager, Piggery Owner and an independent consultant with appropriate expertise (if required) will review the previous 12 months waste management performance, all audit group reports, and the progress made towards achieving the objectives and targets. All the monitoring information for the previous 12 months and the previous years will be collated and considered. This Environmental Management Plan will be updated each year at the review process and shall be referred to the Responsible Authority for endorsement.

Environmental Management Plan

Pork Storks Australia Pty Ltd

APPENDIX 1 - Conditions of Permit

Enclosures and Supporting Documents (Client's use only) X 666
File name: 4/10/20

12



EPA Reference: 5010631

24 April 2020

Sarah Fisher
Team Leader Statutory Planning
Golden Plains Shire
PO Box 11
BANNOCKBURN VIC 3331

Dear Sarah,

RE: PLANNING PERMIT APPLICATION: P02-102A
PROPOSAL: To amend a permit for a piggery
ADDRESS: 3140 Midland Highway Lethbridge

Thank you for your correspondence supplied in relation to the above planning permit application, referred to Environment Protection Authority (EPA) on 2 April 2020.

EPA is not a statutory referral authority under Section 55 of the *Planning and Environment Act 1987*, since this proposal:

- a) does not require a licence or works approval or amendment to a licence or works approval;
- b) is not proposed to be used for an industry or warehouse for a purpose listed in the table to Clause 53.10 shown with a Note 1 or for which the threshold distance cannot be met; and
- c) is not a proposed extractive industry intended to be used at a later date for landfill.

We note that the original application was referred to EPA on 23 February 2018 and EPA provided a response to Council via a letter dated 27 March 2018 (EPA reference 5008247). Council has re-referred the application to EPA as some aspects of the application have since been amended. The original application proposed to amend the permit to provide for an increase in pig numbers, the construction of a waste treatment lagoon and the application of treated waste to the land.

However, in response to concerns raised by objectors, the applicant has decided to continue with the current waste management arrangement and not install treatment lagoons. Pig numbers will still increase. The current arrangement is to store the effluent and have it removed by a contractor

Environment Protection Authority Victoria
200 Victoria Street, Carlton VIC 3053 DX210082
1300 372 842 (1300 EPA VIC) www.epa.vic.gov.au



in a 21,000 litre tanker more than 2 times per week. This waste is then to be disposed of to land at the contractor's property.

EPA notes that in accordance with schedule 1 of *Environment Protection (Industrial Waste Resource) Regulations 2009*, effluent or wastewater from the piggery operations if managed in accordance with specifications acceptable to EPA, is considered industrial waste. If it is not managed in accordance with EPA requirements, then wastewater and effluent is considered prescribed industrial waste.

These requirements are described in EPA Publication 464.2 *Guidelines for Environmental Management: Use of reclaimed water* and EPA Publication 168 *Guidelines for wastewater irrigation*. These requirements are applicable to the contractor who is removing the tankers of waste and applying them to land. The applicant has a duty to ensure any waste from their operation is disposed of to a site licenced or permitted to do so.

If Council decides to proceed with the application, we recommend Council considers the following conditions for inclusion in the planning permit. Note that since 2018 EPA have updated our use of conditions; please disregard conditions previously suggested in the response from 27 March 2018.

- The permit holder must ensure that nuisance dust and/or nuisance airborne particles must not be discharged beyond the boundaries of the premises
- There must be no emissions of noise and/or vibrations from the premises which are detrimental to either of the following:
 - a) the environment in the area around the premises; and
 - b) the wellbeing of persons and/or their property in the area around the premises.
- A secondary containment system must be provided for liquids which if spilt are likely to cause pollution or pose an environmental hazard.
- Pollution control devises must be installed to prevent the discharge of waste to the environment and stormwater system.

The permit applicant is reminded of their obligation to ensure compliance with the *Environment Protection Act 1970* in the day to day operation of the activity, including (but not limited to):

- Section 41 – Pollution of atmosphere, including offences for discharging offensive odours to the sense of human beings.

EPA recommends that Council should consider the above prior to determining the planning permit application.

EPA Publications can be found at:

3

<https://www.epa.vic.gov.au/publications>.

If you need additional information or assistance, please contact our Senior Planning Officer, Nicole Porter, on 1300 EPA VIC (1300 372 842).

Yours sincerely



Rund Gorgis
Planning Team Lead (Western Region)
Major Projects and Planning
EPA Victoria