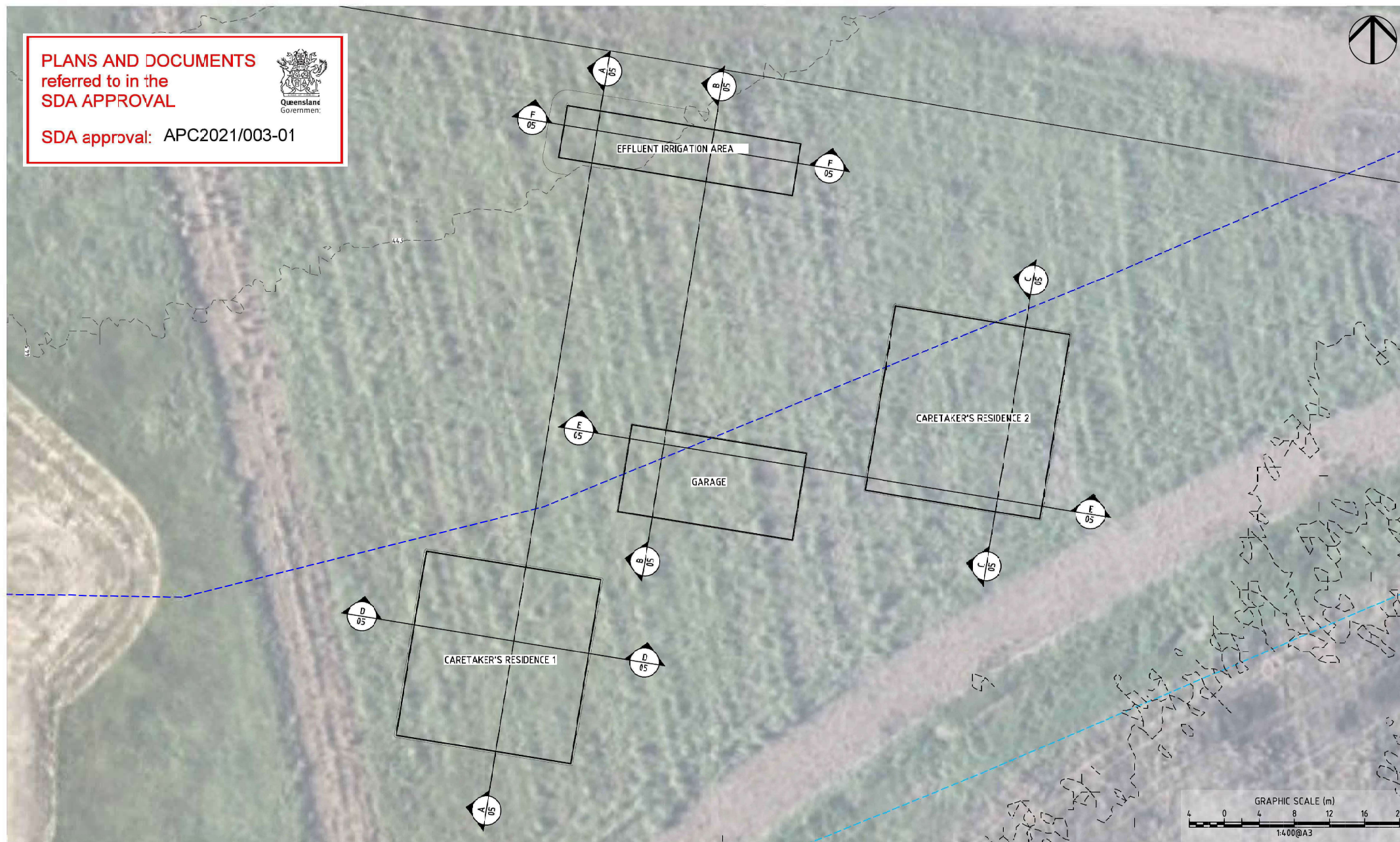


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REVISION/DETAILS																
DATE				BY USER	DATE	DATE										



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date: 04/03/2016	
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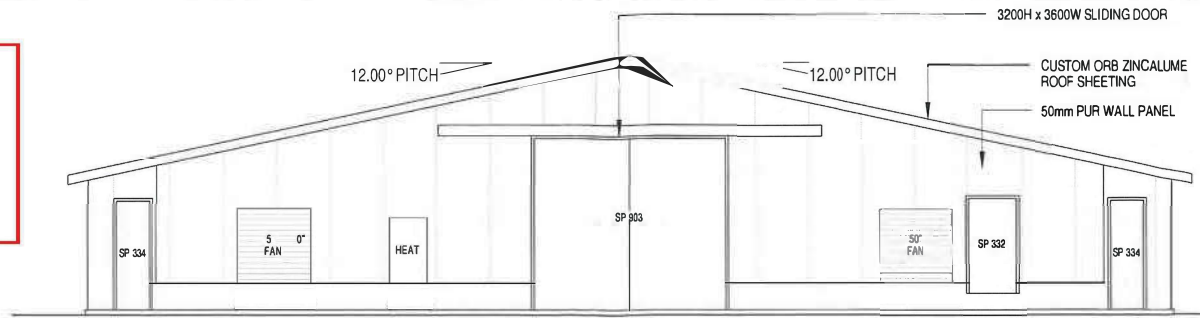
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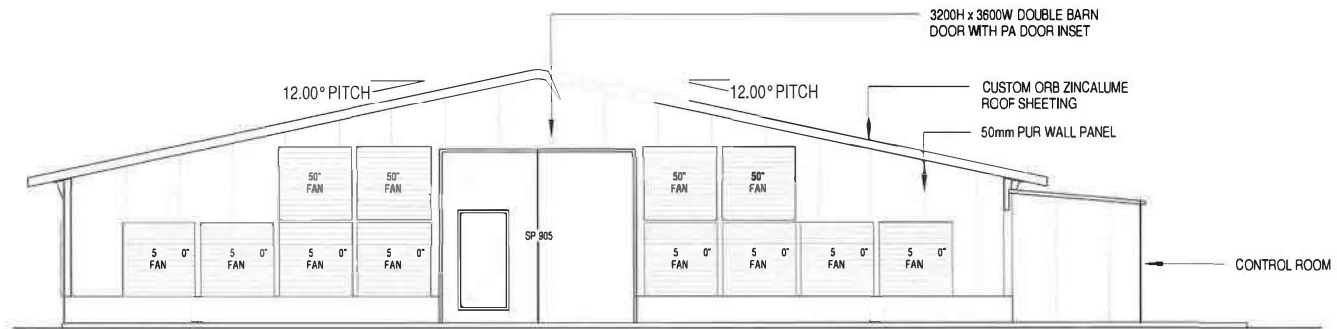
PLANS AND DOCUMENTS
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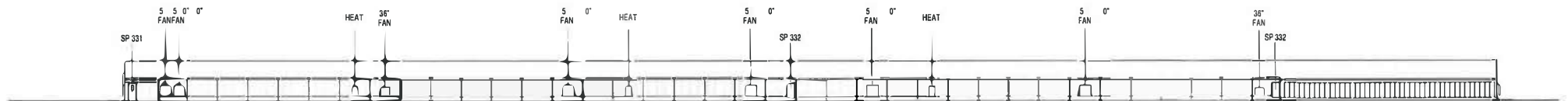
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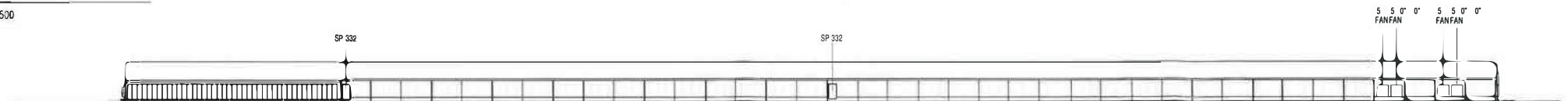
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1:100



3 ELEVATION 3 - SOUTH
1:500



4 ELEVATION 4 - NORTH
1:500

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REV	DESCRIPTION	DATE
0	Standard design drawing	16/06/14
1	Revised preliminary drawings	18/06/14
2	Revised preliminary drawings	07/07/14
3	Revised preliminary drawings	30/07/14
4	Final for DA lodgement	30/07/14
5	Revised final for DA lodgement	01/08/14
6	Response to CG information request	30/09/14
7	Minor change to DA	10/02/15
8	Minor change to SDA approval	04/03/16

NAREED POULTRY FARM

For: NAREED CO PTY LTD
Project Address:

151-162 Bromelton House Road,
Bromelton 4285

sheet title:

**SHED
ELEVATIONS**

job no: TIMQ-01 drawn by: A.SENARATH

date: 04/03/2016

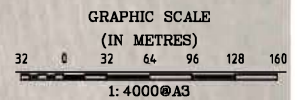
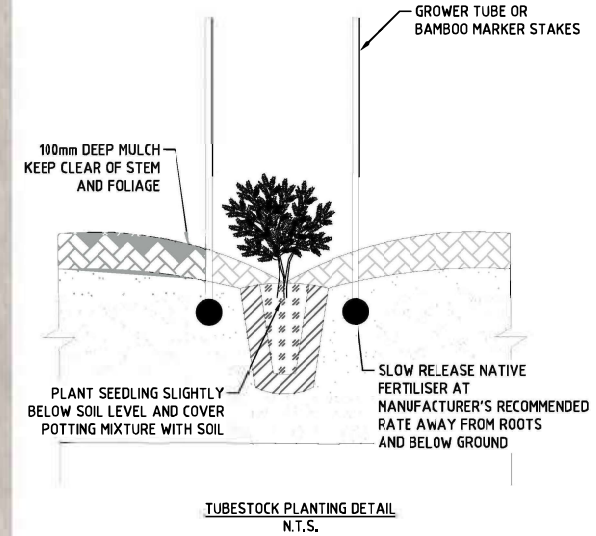
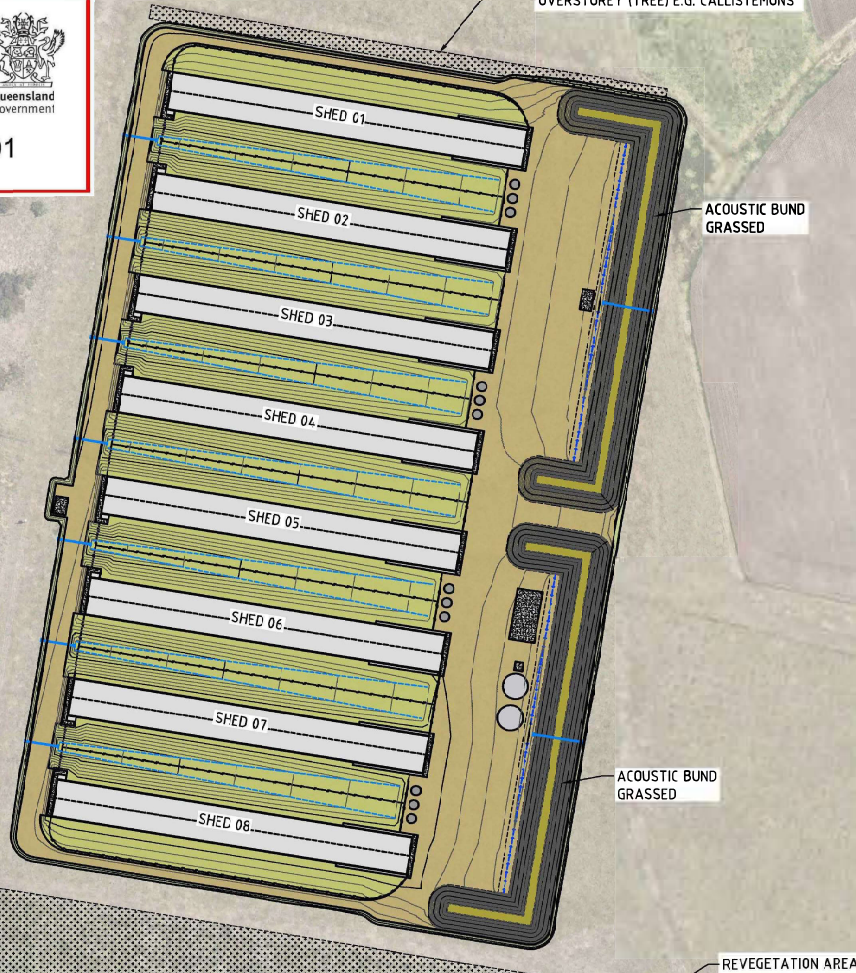
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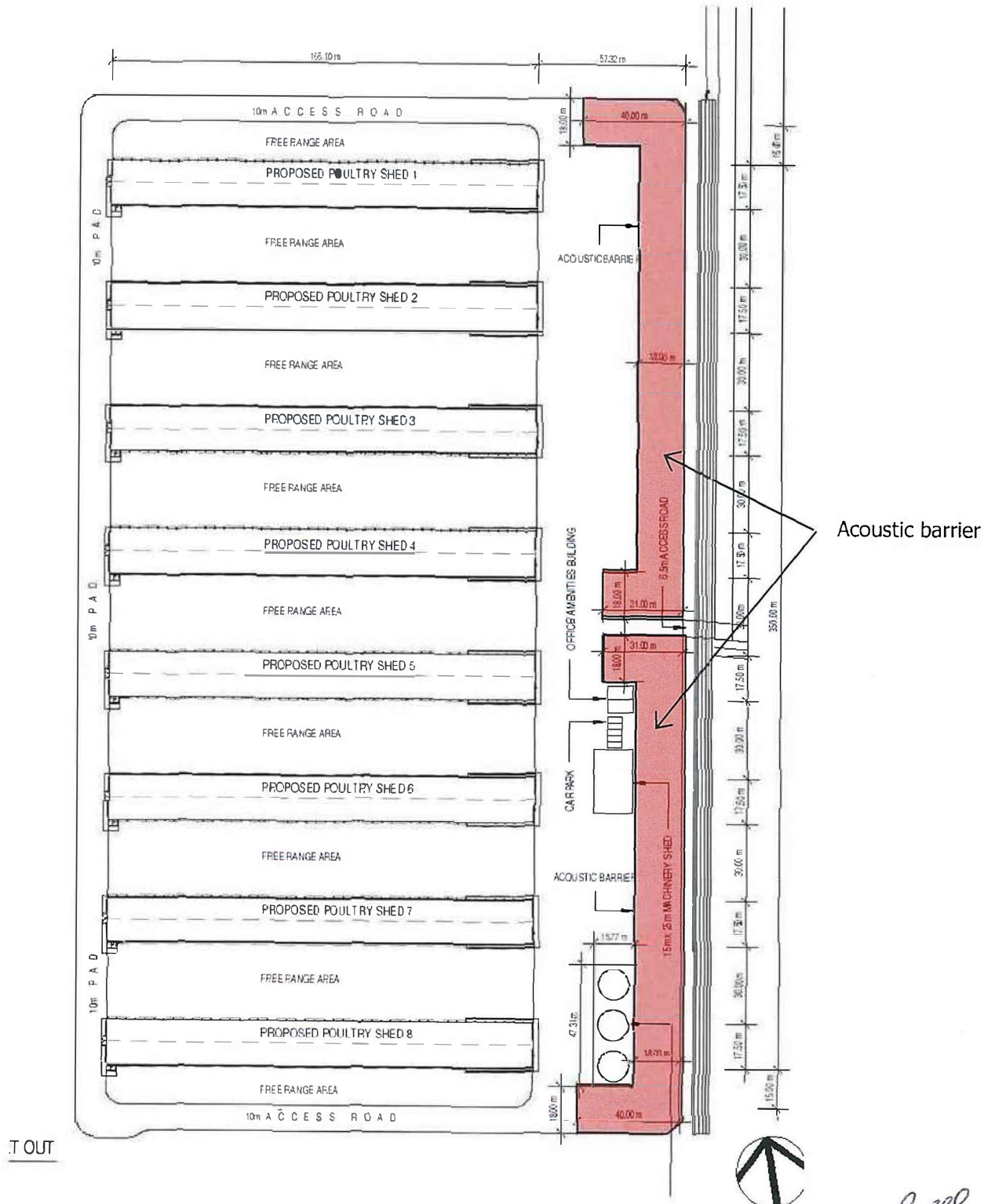


SDA approval: APC2021/003-01



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			HEIGHT	OR GN	CIVIL WORKS - POULTRY FARM									
			SURVEY DATA											
B	FOR MINOR CHANGE	SLS	04/2021						JOB NUMBER		190001-ESCP	B	01	
A	DRAFT	SLS	02/2021	NJF	01/19					DRAWING NUMBER				01
REVISION/DETAILS			DWN	DATE	DPS	DATE					ACS-DWG-190001-SITE			01

Figure 23: Designed acoustic barrier



This configuration satisfies the recommended acoustic design requirements for the barrier.

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SDA APPROVAL

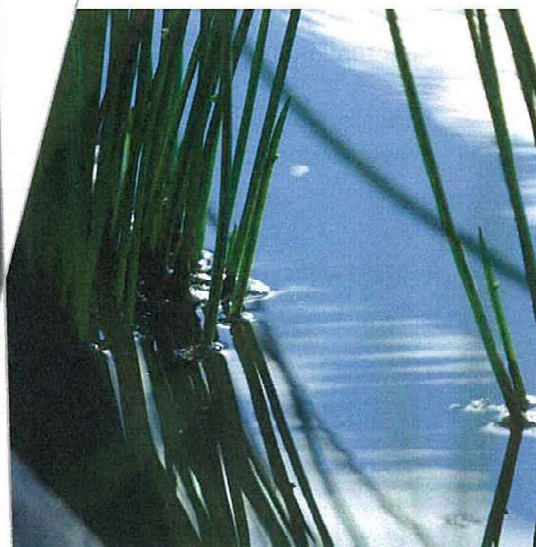


SDA approval: APC2021/003-01

Site Based Management Plan

Bromelton Poultry Farm

7803-87



Prepared for
1873 Co Pty Ltd

12 April 2016

Rel
12-5-16

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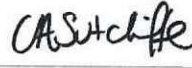
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Document Control

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Version	Reason for Issue	Approved for Release By	Approved (Signature)	Approved Release Date
1	Lodgement	CS		12 April 2016

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Appendix A	Site Plans
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1 Introduction

1873 Co Pty Ltd (the proponent) have been granted an Environmental Authority (Permit number: 2014-30) to construct an 8-shed poultry farm with a maximum of 416,500 birds (i.e. 52,062 birds per shed) at 151 Bromelton House Road, Bromelton.

An overview of the poultry farm is provided in Table 1-1.

Table 1-1 Overview of the Poultry Farm

Characteristics	Summary
Property Description	Lot 78 W311365
Location	151 Bromelton House Rd, Bromelton
Poultry Farm Site	The poultry farm site as referred to in this report is the site on which the sheds and associated facilities are located, being Lot 78 W311365. The site comprises the proposed sheds, residences, and associated structures.
Poultry Farm Components	Construction of 8 sheds each with a dimension of 165.1m by 17.5m stocked at a maximum density of 18 birds per m ² (maximum of 416,500 birds) (Appendix A). Associated facilities and car parking. Poultry farm manager residence and employee residence.

This Site Based Management Plan (SBMP) expands upon the plan provided as part of the ERA 4 application and identifies the management strategies to be adopted to ensure the activity is undertaken in accordance with best practice environmental management. It also forms the basis of the operational procedures required under condition G4 of the Environmental Authority. Condition G4 states:

The activity must be undertaken in accordance with written procedures that:

- *Identify potential risks to the environment from the activity during routine operation and emergencies*
- *Establish and maintain control measures that minimise the potential for environmental harm*
- *Ensure plant, equipment and measures are maintained in a proper and effective manner*
- *Ensure that staff are trained and aware of their obligations under the Environmental Protection Act 1994*
- *Ensure that reviews of environmental performance are undertaken at least annually*

2 Site Based Management Plan

2.1 Introduction

The purpose of this SBMP is to demonstrate that persons carrying out the Environmentally Relevant Activity (ERA) have in place a structured framework to:

- > set the environmental objectives or standards to be achieved;
- > identify the potential environmental harm that may occur from the operation of the ERA and establish and document control measures to prevent this harm as far as practicable;
- > identify extraordinary factors that may cause environmental harm, and establish contingency plans to deal with these;
- > ensure that all persons carrying out the activities are aware of the environmental risks, and are trained in the measures and contingency plans to deal with them;
- > ensure the effectiveness of the measures and contingency plans as required, by implementing monitoring of environmental performance;
- > ensure record keeping to assist in the communication of environmental performance throughout the organisation and to the Department of Agriculture and Fisheries (DAF) and the Department of Environment and Heritage Protection (EHP); and
- > ensure periodic reviews of environmental performance and continual improvement.

2.2 Preamble to the Site Based Management Plan

2.2.1 Legislation and Policy Framework

The primary environmental legislation relevant to this SBMP is the *Environmental Protection Act 1994* and subordinate legislation, specifically the *Environmental Protection Regulation 2008*. The *Environmental Protection Act 1994* protects environmental values through development and implementation of environmental protection policies and regulates environmentally relevant activities prescribed in Schedule 2 of the *Environmental Protection Regulation 2008*.

The *Environmental Protection (Air) Policy 2008* ensures protection of ambient air quality and specifies indicators and air quality goals for control of the release of airborne contaminants.

The *Environmental Protection (Water) Policy 2009* ensures protection of environmental values from activities that may result in the release of contaminants to waterways or stormwater drains.

Waste Reduction and Recycling Act 2011 promotes waste avoidance and reduction and resource recovery and efficiency actions.

The *Work Health and Safety Act 2011* ensures protection of all personnel and the environment when storing and handling dangerous goods.

Relevant guidelines and industry standards:

- > Queensland Guidelines for Meat Chicken Farms (DAFF 2012);
- > National Environmental Management System for the Meat Chicken Industry (McGahan and Tucker 2003); and
- > National Farm Biosecurity Manual for Poultry Production (DAFF, 2009).

2.2.2 Terminology

Term	Description
Contractor	External parties accessing the site to undertake specific operations associated with the operation of the poultry farm
DAF or Administering Authority	Department of Agriculture and Fisheries
Environmental Harm	Refers to any adverse effect, or potential adverse effect (whether temporary or permanent and of whatever magnitude, duration or frequency) on an environmental value, and includes environmental nuisance.
Operator	Refers to 1873 Co Pty Ltd or any party or company responsible for the operation of the poultry farm activities to achieve compliance with this SBMP and for ensuring all statutory requirements are understood and permits obtained.
Poultry Farm	The term Poultry Farm refers to all matters associated with the operation of the poultry farm and associated infrastructure.
Poultry Farm Manager	Refers to the person charged with the responsibility of managing the day-to-day operations of the poultry farm, including responsibility for contractors while accessing the site to undertake specific project related activities.
Regulatory Authority	Refers to the state government agencies responsible for the enforcement of best environmental practice principles related to the intensive farming activity.
SBMP	Refers to this Site Based Management Plan.
Site	Refers to 151 Bromelton House Road, Bromelton.
The Operation	Refers to all matters associated with operation of the ERA at the proposed site.

2.2.3 SBMP Objectives

The objectives of this SBMP are to minimise adverse impacts on the environment by:

- > ensuring all environmental safeguards are carried out correctly; and
- > managing site activities effectively.

2.2.4 SBMP Structure

The components of this SBMP include strategies to manage the following elements.

- > General poultry farm operation;
- > Air quality (odours and dust);
- > Noise management;
- > Waste management;
- > Water quality;
- > Environmental emergencies; and
- > Community and complaints management.

Each element of the SBMP includes the following key components.

- > **Rationale:** identification of the element to be managed and the potential environmental impact of activities associated with each element.
- > **Objective/Target:** identification of the environmental objective(s) and target(s) to be achieved in line with the rationale and in compliance with applicable legislation.

- > **Tasks/Actions:** tasks and actions undertaken during the operation of the poultry farm to achieve the stated objectives and targets and to ensure impact mitigation.
- > **Performance Indicators:** measurable indicators and standards set to assess the efficiency of management measures and determine compliance with the SBMP.
- > **Monitoring:** monitoring requirements to measure compliance with the performance indicators and frequency of monitoring.
- > **Record Keeping:** details of record keeping requirements over the life of the SBMP.
- > **Reporting and Review:** the requirements for reporting of monitoring results and review of management measures where required.
- > **Corrective Action:** measures to be undertaken should monitoring indicate non-compliance with performance indicators.

2.2.5 Environmental Commitment

The Operator is responsible for ensuring that its activities are undertaken in an environmentally sustainable manner and aims to minimise environmental impacts and continuously improve its environmental performance.

The preparation of this SBMP forms an integral part of the commitment to minimise the environmental risks of their activities.

2.2.6 Responsibilities and Training

The Operator or representative assumes responsibility through its Poultry Farm Manager for the implementation of this SBMP.

All persons employed in the operation of the poultry farm shall be instructed as to their individual responsibilities as set out in this SBMP and as provided by the *Environmental Protection Act 1994* being:

- > **General Environmental Duty** – whereby a person in the performance of their duties shall not do so in a manner which will cause, or is likely to cause, environmental harm unless the person takes all reasonable and practical measures to prevent or minimise such harm.
- > **Duty to Notify Environmental Harm** – whereby if a person in the performance of their duties becomes aware that serious or material environmental harm is caused or may be caused by their activity or by someone else's activity, that person must as soon as practicable report the nature and circumstances of the relevant event to the Operator whereupon the Operator must immediately notify EHP.
- > **Compliance with SBMP** – whereby a person in the performance of their duties shall do so in a manner that ensures that the provisions of this SBMP are complied with.

All personnel entering the poultry farm site will be inducted as necessary, with particular emphasis on environmental and biosecurity control measures and emergency response.

2.2.7 Site Induction

It is the responsibility of the Poultry Farm Manager to ensure all persons employed in the operation of the site receive appropriate awareness training and environmental induction. The induction shall include instruction regarding the following environmental objectives and policies:

1. Due diligence, including:
 - > development, establishment and operation of a pollution prevention system;
 - > ensuring that people with ultimate responsibility receive reports;
 - > ensuring those with the ultimate responsibility know the environmental laws; and
 - > ensuring those with the ultimate responsibility deal personally with system failures.

2. Duty of Care:

- > all management and staff have an environmental duty of care. Where deemed appropriate for short term personnel and contractors, the Poultry Farm Manager may elect to provide a brief environmental explanation/induction and control access to the site.

The Poultry Farm Manager shall maintain a signed register of all inductees and monitor the existing workforce to ascertain whether additional training is required.

2.2.8 Environmental Audits and Reviews

Environmental performance shall be monitored throughout the operation of the poultry farm to determine if environmental auditing activities are required.

The SBMP shall be reviewed and updated as required on changes to the activity, with the updated copy kept onsite.

2.2.9 Environmental Records

The results of any monitoring from the operation of the development and any corrective actions taken in respect thereof shall be recorded in the environmental management records for the site pursuant to this SBMP.

A copy of the latest copy of the SBMP, relevant development approvals and environmental records shall be retained in the onsite office. All environmental records shall be kept for a period of five years.

1873 Co Pty Ltd shall make all records available for inspection by relevant authorities upon request.

2.2.10 Environmental Non-Compliance with SBMP

1873 Co Pty Ltd, as Operator, shall assume responsibility for implementation of this SBMP. Where the Operator becomes aware of a site or operational condition that does not comply with stated performance indicator(s) of this SBMP, there is a requirement for corrective action to be undertaken.

A Corrective Action Request (CAR) form is to be completed and authorised where appropriate in general compliance with the example CAR form provided in Appendix B of this document. The Operator is also required to maintain a register of CARs, which shall demonstrate that appropriate actions have been completed within a suitable timeframe.

It is the responsibility of management to notify EHP in the event of a notifiable incident/complaint (as defined in s320 of the *Environmental Protection Act 1994*).

In some instances, further investigation or monitoring may be required to establish whether the Operator has failed to adequately implement the SBMP, or has failed to comply with relevant legislation, guidelines and statutes. In these instances, an independent party, such as a Consultant, shall carry out the investigation or monitoring.

Any CAR registered in accordance with this SBMP shall be provided to the Local, State or Commonwealth Government Department, any statutory authority or other person, consensually or as lawfully required.

3 Environmental Management Measures ERA 4

3.1 ELEMENT 1: General Poultry Farm Operation

Rationale

This element details the operational requirements of the poultry farm to minimise environmental harm, minimise emissions and discharges resulting from operations.

Operation of the poultry farm will be conducted in accordance with the relevant guidelines and practice standards. Maintenance and management measures are required to ensure no significant impacts occur to receiving environments.

Objective/Target

To ensure that the poultry farm is operated in accordance with appropriate operations and management procedures.

To prevent and/or minimise the likelihood of environmental harm.

Tasks/Actions

- > A copy of this SBMP and any development approval conditions pertaining to the site will be retained on site at all times.
- > Training will be provided to poultry farm workers relating environmental management practices.
- > Daily operation of the facility will only be undertaken by personnel with relevant experience and training.
- > Maintenance of the site and sheds will be in accordance with the relevant guidelines and practice standards.
- > Biosecurity measures shall be maintained in accordance with the Queensland Guidelines for Meat Chicken Farms.
- > All machinery will be maintained in accordance with manufacturer's specifications.

Performance Indicators

Occurrence of environmental nuisance or environmental harm shall indicate non-compliance with this SBMP.

Monitoring

- > Sheds will be walked daily to inspect bird health, detect any odour problems and to monitor litter condition.
- > Shed atmospheric conditions will be monitored continually through electronic management.
- > Visual inspections shall be carried out during significant rainfall events in order to identify any visible signs of contaminated stormwater or contaminated run-off leaving the site.
- > Site activities external to the poultry sheds will be monitored during windy conditions to assess dust nuisance.

Record Keeping

A written record of all complaints, monitoring and remediation measures shall be maintained and provided to the Administering Authority on request. This should include details of corrective actions and/or repairs undertaken.

A written record of all equipment inspections and any repairs/maintenance actions undertaken shall be maintained and provided to the Administering Authority on request.

Reporting and Review

The Operator shall report any notifiable incidents resulting in or potentially resulting in environmental harm to the Regulatory Authority as soon as is practicable after the notifiable incident occurs and in accordance with the SBMP requirements.

The Operator shall make all records available for inspection by relevant authorities on request.

Corrective Action

Should there be non-compliance with the stated performance indicators the following corrective actions are to be implemented:

- > identification of the cause of the non-compliance;
- > implementation of appropriate mitigation measures as determined by the Operator; and
- > relevant validation monitoring to confirm that the nominated corrective actions have been effective.

The Operator shall implement the corrective action(s) as required within the agreed time frame noted on the CAR.

3.2 ELEMENT 2: Air Quality Management

Rationale

The poultry sheds are the main source of odour and dust emissions. Litter is a potential source of dust during the transport, spreading and shed cleaning process. Odour is also a risk during and after shed cleaning due to the transport and storage of litter.

Lighting is a potential nuisance however night time lighting will be minimal and non-intrusive, with most farm activities conducted during daylight hours.

Objective/Target

Maintain and manage the poultry farm to prevent emissions that may result in health or amenity impacts.

To minimise environmental nuisance beyond the boundary of the site through: compliance with the *Environmental Protection Act 1994*, the subordinate *Environmental Protection (Air) Policy 2008*, this SBMP, and health and safety requirements.

Tasks/Actions

Odour

- > Sheds are to be walked daily to inspect and maintain litter quality.
- > Ensure uniform and appropriate ventilation in all sheds to maintain acceptable moisture in the litter. This helps to prevent excessive odour generation and controls the accumulation of water vapour, heat, gases and dust particles.
- > Whenever possible, the atmosphere in sheds should be maintained between 50% and 75% humidity to optimise bird health, prevent dust and allow the drying of wet litter. This is the responsibility of the Poultry Farm Manager.
- > Ensure litter moisture is maintained between 15% and 30%.
- > Sheds will be cleaned after each batch of chickens is removed.

Dust

- > Trafficked areas shall be kept in good condition to minimise dust, and vehicle speed shall be limited to 10km/hour on all internal roadways.
- > Internal road surfaces shall be watered during adverse wind conditions where these are causing a visible dust plume.
- > Trucks transporting material that is subject to loss to and from the site shall be covered as appropriate.

Lighting

- > The lighting provided on site will be minimised to that required for the effective operation of the poultry farm. Appropriate hooding will be provided as required.

Performance Indicators

Emissions of odour, dust or light shall not cause a nuisance at any sensitive place.

Monitoring

Monitoring shall be undertaken for the relevant air emission type (e.g. odour, dust or lighting) on request by the Regulatory Authority following receipt of a complaint.

Record Keeping

The Operator shall maintain a record of:

- > all complaints received in relation to air quality and lighting; and
- > any monitoring results undertaken including details of corrective actions and/or repairs undertaken.

The Operator shall make all records available for inspection to the Regulatory Authority upon request.

Reporting and Review

A written record of all inspections and maintenance actions undertaken shall be maintained and provided to regulatory authorities on request.

A written record of all complaints and subsequent monitoring and remediation measures shall be maintained and provided to regulatory authorities on request.

Corrective Action

Should a complaint relating to excessive emission of odour, dust or lighting from the poultry farm be received the following corrective actions are to be implemented:

- > response to complainant outlining procedure for corrective action;
- > identification of the source(s) of the excessive emission-actions shall include visiting the complainant's locality to determine appropriate mitigation measures and the validity of the complaint;
- > implementation of appropriate mitigation measures as determined by the Consultant in consultation with the Operator;
- > relevant validation monitoring of noise or odour at nominated locations; and
- > notification to complainant that complaint has been closed out, with details of corrective actions undertaken.

The Operator shall implement the corrective action(s) as required within the agreed time frame noted on the CAR.

3.3 ELEMENT 3: Noise Management

Rationale

Operation of the poultry farm will involve the use of plant and equipment, including heavy vehicle movements and fans associated with the poultry sheds. The use of this equipment may result in noise being generated from the site.

Objective/Target

To minimise environmental nuisance beyond the boundary of the site through compliance with the *Environmental Protection Act 1994*, the subordinate *Environmental Protection (Noise) Policy 2008*, SBMP and health and safety requirements.

Tasks/Actions

- > All noise generating equipment shall be operated and maintained in accordance with the manufacturer's specifications to minimise noise emissions.
- > All vehicles are to be maintained in accordance with manufacturer's specifications to reduce noise emissions.
- > Trafficked areas shall be kept in good condition and vehicle speed shall be limited to 10km/hour on all internal roadways.
- > All vehicles entering or leaving the site shall be operated and maintained in a manner which ensures that the noise levels produced by the vehicles are within the appropriate limits.
- > An acoustic barrier is to be provided in the vicinity of the poultry sheds, as indicated on the site layout attached in Appendix A. The height of the barrier is to be a minimum 4m above the finished pad level of the poultry farm area, and maintained at all times to ensure it achieves the required acoustic attenuation.
- > The acoustic barrier requires a minimum surface density of 12.5kg/m² and be free of gaps or holes.
- > Should complaints about noise be received, the Operator shall investigate the cause of the noise and undertake corrective actions as required.
- > Actions shall include visiting the complainant's locality to determine appropriate mitigation measures and the validity of the complaint. In the event of a dispute, an independent party such as a Consultant shall conduct noise monitoring if necessary.

Performance Indicators

Emissions of noise shall not cause a nuisance at any sensitive place. In the event that complaints are received these will be investigated as soon as practicable and corrective actions identified.

Monitoring

Weekly inspections of the noise generating components of the poultry farm plant shall be undertaken.

Complaint driven noise monitoring shall be carried out at the request of the Administering Authority only.

Record Keeping

The Operator shall maintain records of all complaints received in relation to noise emissions including complainant details, nature of complaint and corrective actions taken.

The Operator shall maintain a record of any monitoring undertaken and results, including details of corrective actions and/or repairs undertaken.

Reporting and Review

A written record of all inspections and maintenance actions undertaken shall be maintained and provided to regulatory authorities on request.

Corrective Action

Should a complaint relating to excessive emission of noise from the poultry farm be received the following corrective actions are to be implemented:

- > response to complainant outlining procedure for corrective action;
- > identification of the source(s) of the excessive emission of noise;
- > implementation of appropriate mitigation measures as determined by the Consultant in consultation with the Operator;
- > relevant validation monitoring of noise concentrations at nominated locations; and
- > notification to complainant that complaint has been closed out, with details of corrective actions undertaken.

The Operator shall implement the corrective action(s) as required within the agreed time frame noted on the CAR.

3.4 ELEMENT 4: Waste Management

Rationale

Waste will be generated during operation of the poultry farm, including spent litter, waste water, dead birds and general wastes.

Waste management will focus on appropriate storage and handling of all wastes associated with the operation of the poultry farm to ensure that environmental harm is not caused through the release of contaminants or biohazards to the receiving environment.

Waste management will consider the waste hierarchy and include appropriate methods to avoid, reuse, recycle, treat and dispose of waste materials generated as a result of the operation of the poultry farm.

Objective/Target

Comply with the provisions of the *Waste Reduction and Recycling Act 2011*.

Minimise litter used and waste generated, and source markets, where possible, for the reuse of waste material.

Manage chicken carcass waste in accordance with the *National Farm Biosecurity Manual – Poultry Production* by the Federal Department of Agriculture, Fisheries and Forestry.

Tasks/Actions

- > The Operator shall have due regard for the waste management hierarchy which lists the types of waste management practices in preferred order of adoption, as detailed below.
 1. Waste avoidance
 2. Waste re-use
 3. Waste recycling
 4. Energy recovery from waste
 5. Waste treatment
 6. Waste disposal
- > The Operator shall maintain a regular waste removal schedule and document all waste removed for disposal.
- > The Operator shall provide appropriate methods for the collection and lawful disposal of any wastes produced at the site during operations including:
 - provision of appropriate waste storage areas and receptacles for the storage and separation of waste types resulting from the operation of the poultry farm;
 - location of waste receptacles in designated areas suitable for collection by waste disposal vehicles;
 - collection and disposal of all waste by appropriately licensed contractors at appropriate intervals for disposal at a suitability licenced disposal site; and
 - location of waste containers in convenient locations to encourage use.
- > No burning of waste relating to the activity is to be conducted onsite or offsite.
- > The site shall be inspected regularly by the Poultry Farm Manager for the presence of waste which could be blown or washed away from the site whereby any such waste shall be collected forthwith and stored according to type.
- > Dead chickens are to be stored in the cold room and removed from site on a daily basis by a licenced contractor. No disposal of chicken carcasses shall be undertaken on the poultry farm site or the adjacent dairy farm.
- > Water used in the cleaning of inside of sheds shall be contained, allowing it to evaporate with no discharge occurring.

Performance Indicators

No uncontrolled release of waste.

Compliance with the provisions of the *Waste Reduction and Recycling Act 2011*.

Monitoring

The Operator shall on a weekly basis inspect the litter composting area to check for odour and leachate.

Waste collection areas shall be inspected daily to ensure wastes are stored appropriately and waste pickups arranged as required.

The cold room shall be inspected daily to ensure that it is maintained in working order and relevant temperature controls are achieved.

Record Keeping

Accurate records shall be maintained of the method of disposal of all waste.

These records shall be made available to the regulatory authority as required.

Reporting and Review

The Operator shall make all records available for inspection by relevant authorities on request.

Corrective Action

Should there be non-compliance with the stated performance indicators the following corrective actions are to be implemented:

- > identification of the cause of the non-compliance;
- > implementation of appropriate mitigation measures as determined by the Consultant in consultation with the Operator; and
- > relevant validation monitoring to confirm that the nominated corrective actions have been effective.

The Operator shall implement the corrective action(s) as required within the agreed time frame noted on the CAR.

3.5 ELEMENT 5: Water Quality

Rationale

The operation will generate minimal waste water, but there is the potential for generation of contaminated stormwater runoff and wastewater runoff from the poultry farm site. Impacts could include the release of wastewater from the farm through inappropriate activities or unintentional stormwater runoff from the litter compost area. Management of runoff is necessary to ensure local receiving waters are not adversely impacted.

Objective/Target

To manage the operation of the poultry farm to minimise the generation of wastewater and contaminated stormwater, and to ensure no contaminated water is discharged or released from the site.

Tasks/Actions

- > Contain water used in the cleaning of inside of sheds allowing it to evaporate with no discharge occurring.
- > Minor storage of oils, acids and various chemicals will be appropriately stored in containment bunding in accordance with AS1940.
- > Spills and leaks are to be cleaned up as soon as practicable.
- > Spill kits, absorbent material and other containment equipment must be maintained in clearly identified and unobstructed locations ready for use in the event of a spill.
- > Visual inspections shall be carried out during significant rainfall events in order to identify any visible signs of contaminated stormwater or contaminated run-off leaving the site.
- > The Operator shall inspect all infrastructures on a weekly basis to ensure any defects are identified and actions can be taken promptly.

Performance Indicators

No effluent from the shed clearing process is to be discharged.

No release of contaminated waters to any surface or ground waters.

Stormwater is managed in accordance with the site Stormwater Management Plan.

All stormwater treatment devices are functioning appropriately.

Monitoring

Once construction is completed and water management measures are established, monitoring will commence every three months and shall include inspection of treatment devices to ensure proper operation. Visual inspections of the site and flow paths shall also be carried out to ensure there are no signs of erosion or significant sediment deposits. A checklist shall be completed upon the completion of three monthly monitoring. Monitoring shall include the following tasks.

- > Visually monitor shed cleaning operations to ensure no discharge of wastewater occurs.
- > Visually inspect stormwater discharges to ensure no sediments or other contaminants are being discharged from the site.
- > Visually inspect the drainage system for blockages or evidence of scour to ensure stormwater is appropriately discharged from the site.
- > Visually inspect the condition of the shed roof for damage or leaks.

Record Keeping

The Operator shall maintain a record of any identified stormwater infrastructure defects or failure including any corrective actions undertaken.

The Operator shall maintain a record of any monitoring results undertaken including details of corrective actions and/or repairs undertaken.

Reporting and Review

The Operator shall make all records available for inspection by relevant authorities on request.

Corrective Action

Should there be non-compliance with the stated performance indicator the following corrective actions are to be implemented.

- > identification of the cause of the non-compliance;
- > implementation of appropriate mitigation measures as determined by the Consultant in consultation with the Operator; and
- > relevant validation monitoring to confirm that the nominated corrective actions have been effective.

The Operator shall implement the corrective action(s) as required within the agreed time frame noted on the CAR.

3.6 ELEMENT 6: Environmental Emergencies

Rationale

The most likely environmental emergency which may occur on site are spills and fire, however disease outbreaks and catastrophic deaths may also result in an environmental emergency. Operational and emergency procedures and safety management systems will minimise the potential health and safety risks associated with operating the poultry farm.

Objective/Target

To minimise impacts to the natural and built environment and human health arising as a result of emergencies and/or incidents.

Tasks/Actions

Spills

- > Signs shall be provided to inform staff of necessary actions in the case of a spill or fire.
- > Spill kits shall be maintained on site.
- > In the case of a fuel spill to land:
 1. immediately enclose the spill area with temporary bunding (containment socks, sand bags, etc.) to prevent spreading;
 2. immediately block off any stormwater drains to prevent contamination of waters;
 3. apply bulk absorbent over the spilt material;
 4. let the absorbent material absorb the spilt material;
 5. collect the absorbent spilt material using appropriate tools (e.g. shovel or vacuum truck). Remediation may include removal of topsoil layer for spills on unsealed surfaces;
 6. place saturated absorbent into a container for disposal in an authorised land fill;
 7. repeat points 3 to 6 until area is clean;
 8. collect all contaminated materials and dispose of in a dedicated metal bin with tight fitting lid labelled accordingly for disposal in an authorised landfill; and
 9. inspect and re-stock the spill kits as required.

Fire

In the case of fire:

- > sound the alarm;
- > ring 000: Notify the fire brigade and give your name, location, type of fire (explosion, fuel fire, etc.), and details of injuries, if any. Notify ambulance and/or police service, if necessary;
- > notify all relevant staff;
- > evacuate the site to the assembly point and count heads - ensure the safety and wellbeing of everyone, and notify a senior member of staff if anyone is missing;
- > keep the public away at a safe distance;
- > turn off computers, power, gas bottles, and fuel sources, if safe to do so;
- > isolate the fire if possible;
- > fight the fire, if the fire is small and you are not in immediate danger. DO NOT TAKE RISKS;
- > if available, an extra staff member should be sent to the roadway to direct the fire brigade;
- > take action to minimise or contain environmental damage, if safe to do so; and
- > immediately after the fire is over, make diary notes detailing your involvement in the emergency.

As soon as practicable after becoming aware of any emergency or incident that results in a notifiable incident, the Regulatory Authority must be notified of the release by telephone or facsimile. Details shall include:

- > the location of the emergency or incident;
- > the name and telephone number of the designated contact person;
- > the time of the release;
- > the time the Operator became aware of the release;
- > the suspected cause of the release;
- > the environmental harm caused, threatened, or suspected to be caused by the release; and
- > actions taken to prevent any further release and mitigate any environmental harm caused by the release.

Within 14 days following the initial notification of a significant emergency or incident written advice must be provided to the Regulatory Authority detailing:

- > proposed actions to prevent a recurrence of the emergency or incident;
- > outcomes/actions taken to prevent or minimise environmental harm; and
- > results of environmental monitoring.

Accurate record keeping of daily procedures will be kept to ensure that communication lines are followed in regard to operational activities.

Disease

In the case of an unusual increase in mortality or drop in production the following actions must be followed:

- > the Poultry Farm Manager and Operator must be alerted immediately;
- > immediate contact must be made with the relevant government authority;
- > the Operator should call the Emergency Animal Disease Watch Hotline on 1800 675 888;
- > the movement of birds must cease immediately, other movements (people and vehicles) on and off the production area and the property must be limited to the absolute minimum;
- > no routine work, only emergency work to be carried out;
- > facilities for the cleaning and disinfection of equipment coming on and off the production area must be in place;
- > personal protective equipment (including face masks) must be worn;
- > any vehicle which must enter the property must be washed and disinfected before and after going onto the property;
- > no birds or litter to be moved on or off properties until disease status is clarified;
- > coordinate with support agencies and other emergency support functions as needed to establish control zones around the poultry farm site; and
- > any further measures stipulated by the state's Chief Veterinary Officer.

Performance Indicators

Environmental harm from emergency and incident situations is minimised through implementation of emergency procedures.

Monitoring

Stocks of fire-fighting and spill management equipment shall be checked on a monthly basis, and re-stocked as required.

Staff induction and training shall be undertaken as necessary to ensure all staff are trained in appropriate emergency management procedures.

Emergency Plans must be maintained, periodically reviewed and fire/evacuation drills regularly conducted.

Record Keeping

A written record of all inspections and maintenance actions undertaken shall be maintained at the site office and provided to the Regulatory Authority upon request.

Records shall be maintained of all monitoring results.

Reporting and Review

Notifiable incidents must be reported to the Regulatory Authority as soon as practicably possible.

Corrective Action

Following an environmental emergency event the following corrective actions are required.

- > investigate details of non-compliance and/or incident;
- > implementation of appropriate mitigation measures as determined in consultation with relevant experts (where required) and within the agreed timeframe noted on the CAR; and
- > sign off and recording of the CAR.

The Operator shall implement the corrective action(s) as required within the agreed time frame noted on the CAR

3.7 ELEMENT 7: Community and Complaint Management

Rationale

The operation of the poultry farm has the potential to result in environmental nuisance such as the uncontrolled release of odour, dust and wastewater. Complaint management procedures are required to provide for effective management of situations where complaints may arise.

Excessive levels of odour or dust or release of waste material to the receiving environments shall indicate non-compliance with this SBMP as outlined in the respective elements of this SBMP.

Objective/Target

To manage relationships with surrounding landowners and deal with complaints in a timely and appropriate manner.

Tasks/Actions

Complaints Management

The Operator shall implement the following procedure should a community complaint be received which relates directly to the operation of the poultry farm.

1. Complete a complaint register form.
2. Determine if the complaint is valid and if further action is required.
3. Determine whether notification to the Regulatory Authority is required.
4. The complainants shall be notified within 24 hours advising of actions that will be taken.
5. If the issue cannot be investigated and finalised within 24 hours, then information regarding the preliminary assessment of the complaint and a date when a full response will be available shall be provided within 24 hours.
6. The complaint response must be signed off by the Poultry Farm Manager indicating that it has been dealt with satisfactorily.

Community Liaison

Where activities are planned which have the potential to impact on the community of neighbouring landholders, appropriate notice shall be provided to affected persons. Such activities may include identified problems with the operation of the site, emergencies, unusual events or other problems that may affect public amenity. The expected timeframe of the impact, and the mitigation strategies that have been initiated should also be communicated.

Performance Indicators

Complaints and incidents are dealt with expeditiously and in accordance with this procedure.

Reporting and Review

This SBMP element shall be continually reviewed and maintained to ensure that the best possible complaint management procedures are in place.

Corrective Action

Should there be non-compliance with the stated performance indicator the following corrective actions are to be implemented:

- > identification of the cause of the non-compliance;
- > implementation of appropriate mitigation measures as determined by the Consultant in consultation with the Operator; and
- > relevant validation monitoring to confirm that the nominated corrective actions have been effective.

The Operator shall implement the corrective action(s) as required within the agreed time frame noted on the CAR.

4 References

Department of Agriculture, Fisheries and Forestry (2009) National Farm Biosecurity Manual for Poultry Production. Commonwealth of Australia.

Department of Agriculture, Fisheries and Forestry (2012) Queensland Guidelines for Meat Chicken Farms. State of Queensland.

McGahan, E. and Tucker, R. (2003) National Environmental Management System for the Meat Chicken Industry. Rural Industries Research and Development Corporation.

