EMERGENCY PREPAREDNESS

Depopulation, Disposal and Decontamination activities on an Infected Premises

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IMPORTANCE OF 3D ACTIVITIES

- Key to controlling disease (dead animal dead virus)
- Highest risk activities (logistics, safety, under pressure)
- Most visual and emotional scenes in a response (impact on the public and staff)
- Generally huge cost (compensation, disposal, cleaning and disinfection)
- There are always better ways of doing things (systems)





MANAGING DISEASE AT FARM LEVEL









RIGHT TOOLS FOR THE JOB – LOW TECHNOLOGY IS GOOD





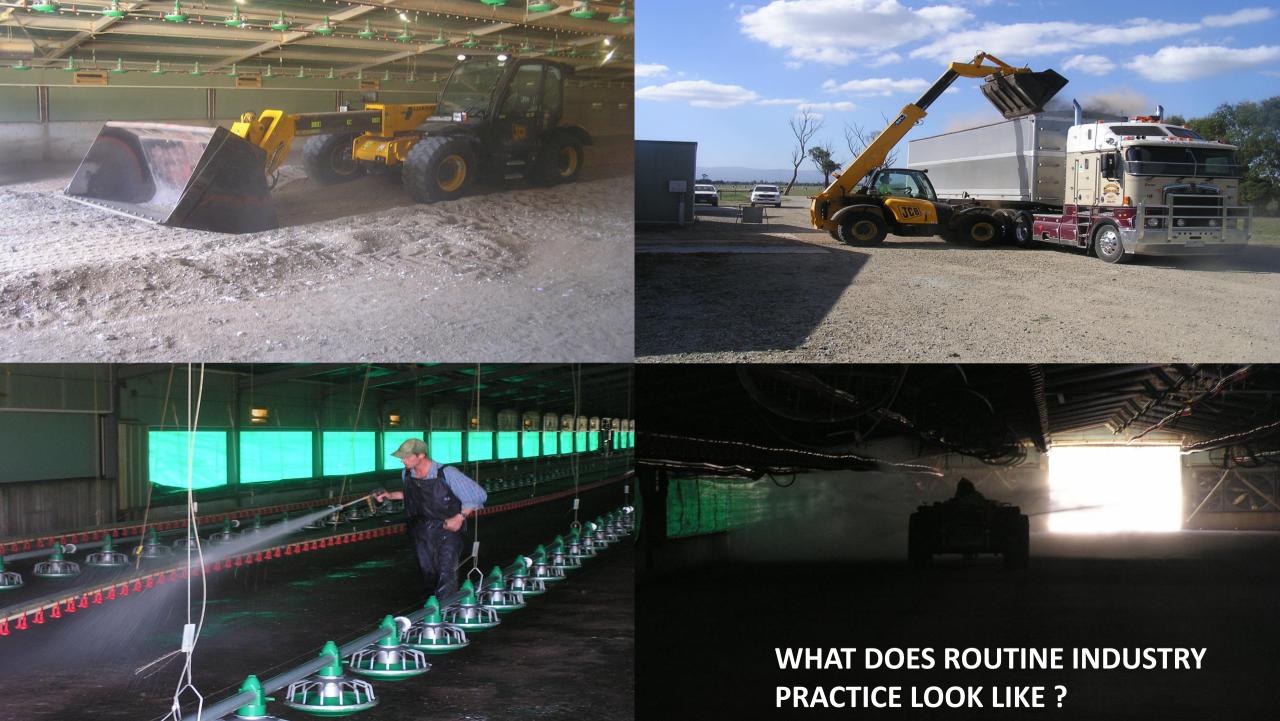


SECURING THE FARM IS EVERYTHING (SIMPLE SYSTEMS)

EASY ACCESS TO EQUIPMENT STOCKPILE (FIRST FEW DAYS)



Economic Development, Jobs, Transport and Resources



11P - INCIDENT ACTION PLAN AFRICAN SWINE FEVER

LCC Section: Infected Premises Operations	Operational Period:

Completed by:	Position: Site Supervisor	Date:	Time:
Approved by:	Position: IPOPS Manager	Date:	Time:

1. SITUATION

What is the current situation

Current Situation:

- 1 IP (Property address) quarantined on 25/1/12 by (Officer name).
- Control strategy pending CCEAD meeting today/tomorrow
- (Officer name) conducted initial property inspection today (Time) to consider options for control/eradication.
- Property risk assessment¹ completed by (Officer name) (see case file)
- Initial property inspection checklist² completed by (Officer name) (see case file).

2. MISSION

What tasks to be achieved

- To implement biosecurity controls and enforce quarantine
- To complete initial property inspection and property risk assessment
- To document a plan for inventory, valuation, destruction, disposal and decontamination activities.
- To maintain effective communication with the LCC and property owner on site activities and identified risks.

APPENDIX 1. DESTRUCTION ACTIVITIES - Decision making rationale (Appreciation process)

Incident appreciation	Incident name: African Swine Fever	Date prepared:	Time prepared:	
Step 1a: Determine the aim To determine the best option/s for euthanising infected/susceptible animals on an IP				
Step 1b: Determine the objectives and any limitations				
To determine the most efficient method/s of <u>euthanising</u> pigs				

Step 2: Identify and examine all the relevant factors Factor Relevance (so what) Class of animals Pigs (all classes), different methods Equipment/ Facilities Type, condition, availability, restraint & handling facilities, yards (existing and portable) WH & S Ease of operation, safety, fatigue, confidence and competence of operators, captive bolt guns, firearms, concrete surfaces, manual handling Animal Welfare Consistent with animal welfare quidelines, public perception, AUSVETPLAN, competent supervision Staff Licensed and skilled, number, availability, confidence, competence, resilience Biosecurity On-farm containment, pest/wild animal control, decontamination Communication Compatibility with disposal options, SCC approved, Destruction orders Reference Documents AUSVETPLAN Victorian Response Plans Standard operating procedures, Guidelines, Overseas documents

Step 3: Determine all potential courses of action (options)

- 1. Captive Bolt (penetrative) followed by pithing
- 2. Non-penetrating captive bolt gun
- 3. Firearms (.22 or .22 Magnum)
- 4. Electrocution
- 5. Carbon dioxide gassing
- 6. Lethal injection
- 7. Blunt force trauma to the head
- 8. Processing at abattoir

Step 4: Select the best course of action (taking into account each relevant factor)

Options	Pros	Cons
Penetrating Captive Bolt gun followed by pithing	Approved effective method Less safety concerns than firearms Not registered firearms o can be used by any competent operators Reasonable number of bolt guns available (small scale response) Many experienced DJPR operators Can be used safely in poor weather conditions and with limited light	Pithing is required after stunning Requires some level of containment/restraint and working close to animals Takes moderate amount of time to reload captive bolt cartridges Can get heavy after a while (large numbers) Captive bolt guns can heat up with large numbers
Non-penetrating captive bolt gun	Approved effective method Less safety concerns than firearms	Requires some level of containment/restraint and working close to animals Captive bolt guns can heat up with large

Not registered firearm so can be

used by any competent operators
 Reasonable number of bolt duns

Can only be used for small animals (up to 9kg)



Increasing preparedness

- Use internet to search other jurisdictions plans (don't reinvent the wheel). Then apply to your own environment/audience.
- Starting point US Department of Agriculture site https://www.aphis.usda.gov/aphis/home/ then search Carcass Management Dashboard
- Allow people time to practice (better making mistakes in peacetime).
- Use data management systems that people use on a daily basis (familiarity)
- Provide simple procedures (checklists, photos)
- Read 'lessons learnt' documents (and pictures)



Increasing preparedness

- Follow the science (international research) but apply to your own environment
- Pre-written plans allow you to manage the disease and not get distracted
- Need to invest in equipment
- Low technology solutions usually best (less to go wrong)
- Every situation is different, need to apply your knowledge





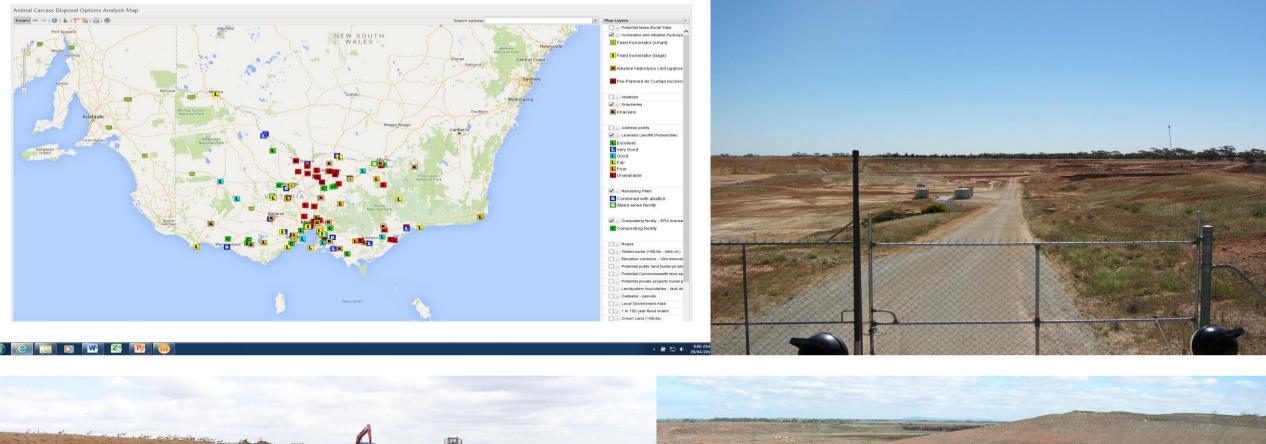














Sequence of activities on an Infected Premises

