

Task Risk Assessment

Instructions: Complete the risk assessment according to the guide [Risk management for emergencies](#).

Task	Biosecurity gate establishment and management
Context (including area/site)	Personnel and the environment may be adversely impacted when establishing, using and working at a biosecurity gate. There may be spread of disease/pest from the infected premise impacting human, animal and plant health.
Risk factors/causes	<ol style="list-style-type: none"> 1. Injury or adverse impact on the well-being of personnel involved in establishing, managing or using the gate. 2. Spread of disease/pest by vehicles, equipment and personnel from the infected premise to other sites/areas impacting on animal welfare, plant health and human health. 3. Adverse impact on the environment due to chemical or effluent contamination. 4. Risk factors from driving vehicles, working around plant and equipment, fatigue management, trailer use and manual handling are addressed separately.
Acceptable level of protection (ALOP)	Low
Specific risk	Adverse impact on the health and well-being of personnel and the local community; the local environment; and susceptible species (plants/animals) off site.
Area(s) of impact	<p>Health and well-being of response personnel, stakeholders and the community.</p> <p>Animal health and welfare/plant health (depending on the response).</p> <p>Environmental impact.</p>
Current risk treatments	<ol style="list-style-type: none"> 1. Safety Advisor required to assess the safety and well-being of people (including response personnel, site owner manager and their staff, residents, visitors and local community members) 2. Access to the site (i.e. location of entry point and road surface) must account for the number, type and size of vehicles, local traffic, any impact from rain events, and separation of vehicles and pedestrians (where possible). 3. Gate infrastructure requires access to utilities (e.g. electricity, water, communications, drainage). Consider accessing current infrastructure with the site owners/managers agreement prior to importing temporary supplies. 4. Gates should be set up according to the guide biosecurity gate establishment and management and include on-site risk assessments to minimise injuries to response personnel and the community. 5. Sites for decontamination of vehicles, equipment and personnel must ensure runoff is managed according to the chemical safety data sheet (SDS) and environmental requirements. High traffic areas may require engineering support to collect runoff. Existing site decontamination infrastructure should be used where possible. 6. Infrastructure and utilities should only be installed or connected by qualified personnel. 7. For significant operations, where traffic flow and access to community amenities is impacted, effective community engagement strategies should be implemented. 8. Minimise the impact on the daily routines of on-site residents by locating the gate (where possible) away from residences. 9. Sufficient parking areas must be available for response personnel, including contractors with large machinery. Where off-site parking is restricted, car pool workers to site from another location. 10. Emergency evacuation assembly points should be identified and evacuation protocol explained during site induction.

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	<p>11. Operating environment for personnel and neighbours (dust, mud, noise, rain, heat/shade) should be assessed and rectified to reduce adverse impacts, e.g. wet dusty road surfaces, adjust timing of truck movements to daylight hours, provide shade for workers.</p> <p>12. Personnel should wear PPE that is appropriate to the task being done with a minimum PPE requirement of solid enclosed footwear, hi-visibility vest and sun protection (while at the gate off-site)</p> <p>13. Communications must be established with the LCC or FCP using devices suitable to the area, e.g. mobile phones, satellite phones, GRN radios.</p> <p>14. All personnel entering the site must be inducted, either at the control centre or at the site. Induction to include restricted access areas, decontamination protocols, safety, personnel in charge, communication protocols.</p>					
Current risk	Likelihood (A-E)	E (rare)	Consequence (1-5)	3 (moderate)	Current risk (VH, H, M, L)	Low
Proposed risk treatment*						
Residual risk	Likelihood (A-E)		Consequence (1-5)		Residual risk (VH, H, M, L)	
Comment*						
Conclusions	The overall risk is low when biosecurity gates are established and managed according to the guide and using experienced personnel.					
Recommendations	Accept the low level risk for the task.					

*Mandatory requirement if assessed level of risk rating is VH (very high), H (high) or M (medium)

Name/s and role/s			Date	
Prepared by	Emergency Management Unit	Date completed	30 November 2018	
Authorised by	Manager Emergency Operations	Date authorised	3 December 2018	

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Table 1 - Consequence description for areas of impact

	Animal health & welfare Plant health	Health & safety	Environment & heritage	Governance & compliance	Industry & customer experience	Stakeholder trust / confidence	Service delivery	Value & benefits	Financial
5. Extreme	Significant animal illness/injuries/deaths in multiple regions. Widespread animal welfare issues. Considerable plant damage/loss across multiple regions .	Multiple fatalities and/or >20 major injuries/permanent disabilities/chronic disease.	Irreversible large-scale environmental impact with loss of valued ecosystems .	Prosecution leading to imprisonment of executive(s). Significant prosecution/litigation. Loss of operating licence .	Extensive shutdowns or extended disruptions with economy-wide and national effects. Structural change or long-term industry impact.	Outrage – Material change to public perception of the organisation. Confidence and trust are severely damaged, possibly irreparably, and full recovery both questionable and costly.	Catastrophic event with potential to lead to the collapse of the organisation.	Failure to realise benefits of enterprise-wide operations or public announced portion/milestone significantly missed or final completion date significantly missed on critical path project.	>\$50m OR >25% of budget
4. Major	Considerable animal illness/injuries/deaths on multiple properties across a region . Animal welfare impacted across multiple regions. Considerable plant damage/loss on multiple properties across a region.	Kill or disable Single fatality and/or 10-20 major injuries/permanent disabilities/chronic diseases.	Long-term environmental impairment in neighbouring or valued ecosystems. Extensive remediation required.	Substantial breach resulting in prosecution, fines and/or litigation. Licence or accreditation restricted or conditions affecting ability to operate.	Short duration shutdowns or substantial disruptions affecting multiple industries with state or sector-wide cascading effects.	Displeasure – Extended negative state/national media coverage. Confidence and trust are damaged but recoverable at considerable cost, time and staff effort.	Severe event which requires extensive management effort but can be survived.	Significant delays with initiative which impacts across divisions and/or significant decrease in benefits realised or public announced portion/milestone missed or final completion date missed on critical path project.	>\$5m - ≤\$50m OR 25% of budget
3. Moderate	Some animal illness/injuries/deaths on multiple properties across a region . Animal welfare impacts across a region. Some plant damage/loss on multiple properties across a region.	Serious injury 1-10 major injuries requiring hospitalisation and numerous days lost or medium-term occupational illness.	Impacts external ecosystems and considerable remediation is required.	Breach resulting in enforcement action and/or prohibition notices. Substantial fine and no disruption to services.	Significant disruptions affecting operations of one industry sector or region with state-wide effects on one or more other regions or sectors.	Concern – Short-term negative state/national media coverage. Confidence and trust are diminished but are recoverable with time, staff effort and additional funding.	Significant event which can be absorbed, but substantial management effort is required.	Significant delays with initiative and/or major decrease in benefits realised or public announced portion/milestone missed or final completion date missed with demonstrable mitigating external circumstances.	>\$500k - ≤\$5m OR 10% of budget
2. Minor	Limited animal illness/injuries &/or deaths on single enterprise. Limited plant damage/loss on single enterprise .	Loss-time injury Single recoverable lost time injury or illness, alternate/restricted duties injury, or short-term occupational illness.	Short-term and/or well-contained environmental effects. Minor remedial actions probably required.	Significant non-compliance . Subject to comment and monitoring from applicable regulator. Small fine and no disruption to services.	Serious disruptions affecting operation of one industry sector or region .	Disappointment – Extended negative local/state media coverage. Confidence and trust dented but are quickly recoverable at modest cost within existing budget and resources.	Minor event , the impact of which can be absorbed but much broader management effort is required.	Severe delays with initiative and/or moderate decrease in benefits realised or completion date missed for non-critical path project.	\$50k - ≤\$500k OR 5% of budget
1. Insignificant	Isolated impact on animals and/or plants on a single enterprise .	Medical treatment only Illness or minor injuries requiring medical treatment.	Change from normal conditions within environmental regulatory limits & environmental effects are within site boundaries.	Minor non-compliance with legal and/or regulatory requirement or duty. Investigation and/or report to authority.	Minor disruptions affecting several industries or regions.	Unease – Series of negative articles in local/state media. Confidence remains with some minor loss of goodwill or trust. Recoverable with little effort or cost. Some continuing scrutiny/attention.	An event, the impact of which can be absorbed but some additional management effort is required.	Minor delay with initiative and/or a minor decrease in the benefits realised or minor delay on the project or another project, with no public implications.	≤\$50k OR 1% of budget

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Table 2 - Risk rating with likelihood definition

		Likelihood					
		E. Rare	D. Unlikely	C. Possible	B. Likely	A. Almost certain	
		Would only occur under exceptional circumstances (e.g. once every 100 to 1000 years)	Could occur only in unusual circumstances (e.g. once every 10 to 100 years)	Could occur, but more than likely will not (e.g. once every 1 to 10 years)	Will probably occur (e.g. 2 - 10 times/year; could occur on a monthly/quarterly basis)	Expected to occur in most circumstances (e.g. >10 times per year; could occur on a daily/weekly basis)	
Consequence	5. Extreme	Refer to Table 1	Medium	High	High	Very high	Very high
	4. Major		Low	Medium	High	High	Very high
	3. Moderate		Low	Medium	Medium	High	High
	2. Minor		Low	Low	Medium	Medium	Medium
	1. Insignificant		Low	Low	Low	Low	Medium

Table 3 - General risk tolerance, management guide and approval

Risk rating	Basic tolerance	Management	Approval – Non response	Approval – Responses
Very High	Generally intolerable	Urgent attention. Must obtain Secretary/Director General approval for risks and their treatments	Secretary/Director General	Executive Emergency Management Committee
High	Undesirable	Intervention required. Approval of the risks, their treatments and acceptable management actions. To be escalate to Secretary/Director General as appropriate.	Deputy Director General	Executive Emergency Management Committee
Medium	Tolerable	Active management. Review risks and treatments, and approve acceptable management actions.	Director	Incident Controller (Local or State)
Low	Broadly acceptable	Ongoing monitoring. Managed through routine operations by the risk owner. Review/monitor risks and their treatments for effectiveness, reliability and any changes in the likelihood and consequences.	Director or delegate	Incident Controller, Function Officers, Operations Managers or Officers-in-Charge (OIC's)