

# HSSE RISK CONTROL MANUAL

## BIOSECURITY

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### Scope and Application

This Manual describes QGC's minimum mandatory requirements to manage biosecurity risk associated with its petroleum activities. The intent of the manual is to meet QGC's general biosecurity obligation (GBO), to take all reasonable and practical steps to minimise the risks associated with invasive plants and animals, as well as animal and plant diseases and pathogens.

This Manual belongs to a group of Risk Control Manuals designed to ensure compliance with regulatory requirements and minimise potential impacts to the environment through defined controls and work standards. Unless otherwise specified, the Business Unit manager is accountable for implementing this Manual. In the event of discrepancy between this Manual and the Environmental Authority (EA) or Legislation, the EA or Legislation takes precedence if its conditions are more stringent, otherwise this document applies.

This Manual applies to all petroleum activities under QGC's control over the gas fields, pipelines and LNG Plant. It applies to all QGC employees and contractors, including visitors to QGC workplaces. Where an emergency has been declared on a QGC site all authorised vehicles are exempt until the declaration is lifted. Private landowners and lessees of QGC owned land are exempt from this Manual but must comply with Legislation and are encouraged to develop a property wide biosecurity management plan.

Appendix A outlines the scope of this document and how it complies with the requirements in the following approvals:

- EPBC Approval 2013/7047 – condition 10;
- EPBC 2018/8276 – condition 8;
- EPBC 2008/4398 condition 15(c);
- EPBC Approval 2008/4399 – conditions 3(f) and 3(g);
- EPBC Approval 2008/4402- condition 30; and
- EPBC Approval 2015/7463.

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## 1.0 Control Framework

This Manual forms part of QGC’s HSSE Management System, key reference documents are below.

### 1.1 References

**Table 1 Key Reference Documents**

Document	Reference(s)
Shell HSSE & SP Control Framework	<ul style="list-style-type: none"> <li>▪ Commitment &amp; Policy</li> <li>▪ Environment Standard</li> <li>▪ Social Performance Standard</li> <li>▪ HSSE SP Management System</li> <li>▪ Environment Manual - biodiversity</li> <li>▪ Contractor HSSE Management</li> </ul>
Environmental Management Systems – Requirements with guidance for use	ISO14001:2015
QGC HSSE & SP Management System Manual	QCQGC-BX00-HSS-MAN-000005
HSSE Incident Reporting, Investigation and Follow Up Procedure	HSE_GEN_000027
Biosecurity Management Procedure	QCQGC-BX00-ENV-PCE-000010
Vegetation Management Procedure	QCQGC-BX00-ENV-PCE-000012
Biosecurity Declaration – Vehicles / Machinery	QCLNG-BX00-ENV-TMP-000004
Biosecurity Declaration – Supply of Things	QCLNG-BX00-ENV-TMP-000006
Environmental Field Constraints - Assessment Guideline	QCLNG-BX00-ENV-PLN-000038
Safe Driving Manual	QCQGC-BX00-HSS-STD-000019
QGC Stakeholder Feedback Procedure	QCLNG-BX00-SPG-PCE-000004
Environmental Authorities and EPBC environmental approvals	Various, stored: <a href="http://ggcintranet/HSSE/Environment/PlansEAs/Forms/AllItems.aspx">http://ggcintranet/HSSE/Environment/PlansEAs/Forms/AllItems.aspx</a>
Biosecurity Act 2014 (Qld)	
Biosecurity Act 2015 (Cwth)	

Minerals and Energy Resources (Common Provisions) Act 2016	
Queensland Biosecurity Manual	<a href="https://www.daf.qld.gov.au/__data/assets/pdf_file/0004/379138/qld-biosecurity-manual.pdf">https://www.daf.qld.gov.au/__data/assets/pdf_file/0004/379138/qld-biosecurity-manual.pdf</a>
Western Downs Regional Council Biosecurity Plan	<a href="https://www.wdrc.qld.gov.au/wp-content/uploads/2019/07/07.2017-Biosecurity-Plan_WDRC_FINAL.pdf">https://www.wdrc.qld.gov.au/wp-content/uploads/2019/07/07.2017-Biosecurity-Plan_WDRC_FINAL.pdf</a>
Gladstone Regional Council Biosecurity Plan 2016-2020	<a href="https://www.wdrc.qld.gov.au/wp-content/uploads/2019/07/07.2017-Biosecurity-Plan_WDRC_FINAL.pdf">https://www.wdrc.qld.gov.au/wp-content/uploads/2019/07/07.2017-Biosecurity-Plan_WDRC_FINAL.pdf</a>
Banana Shire Council Pest Management Plan, 2010-2014	<a href="https://www.banana.qld.gov.au/downloads/file/412/pest-management-plan-2010-2014-draft-">https://www.banana.qld.gov.au/downloads/file/412/pest-management-plan-2010-2014-draft-</a>
Maranoa Regional Council Pest Management Plan, 2012-2016	<a href="http://www.maranoa.qld.gov.au/council/Documents/Pest_Management_Plan_2012_2016.pdf">http://www.maranoa.qld.gov.au/council/Documents/Pest_Management_Plan_2012_2016.pdf</a>
Central Highlands Regional Council Biosecurity Plan, 2017-2020	<a href="http://www.centralhighlands.qld.gov.au/wp-content/uploads/2017/07/ECM_970960_v4_DRAFT-Biosecurity-Plan-Biosecurity-Act-2014.pdf">http://www.centralhighlands.qld.gov.au/wp-content/uploads/2017/07/ECM_970960_v4_DRAFT-Biosecurity-Plan-Biosecurity-Act-2014.pdf</a>
Vehicle and Machinery Cleandown Procedures, Biosecurity Queensland, DAF ,2019	<a href="https://www.daf.qld.gov.au/__data/assets/pdf_file/0011/58178/IPA-Cleandown-Procedures.pdf">https://www.daf.qld.gov.au/__data/assets/pdf_file/0011/58178/IPA-Cleandown-Procedures.pdf</a>
Queensland Guideline for the Construction of Vehicle and Machinery Wash Down Facilities, Queensland Weed Seed Spread Project, July 2000, DEHP.	Stored on Environment Sharepoint site: <a href="https://eu001-sp.shell.com/sites/AAAAB5054/HSS/QGC/06_ENV_OPS/Documents/01%20Manual/Biosecurity/QLD-Washdown-Fac-Guidelines.pdf">https://eu001-sp.shell.com/sites/AAAAB5054/HSS/QGC/06_ENV_OPS/Documents/01%20Manual/Biosecurity/QLD-Washdown-Fac-Guidelines.pdf</a>
Vehicle and Machinery Inspection Procedure, Biosecurity Queensland Checklists 2013	<a href="https://www.daf.qld.gov.au/__data/assets/pdf_file/0016/64006/IPA-Inspection-Procedures.pdf">https://www.daf.qld.gov.au/__data/assets/pdf_file/0016/64006/IPA-Inspection-Procedures.pdf</a>
Petroleum Industry – Pest Spread Minimisation Advisory Guide., Biosecurity Queensland, DPI&F, June 2008	<a href="http://www.rlms.com.au/gbof/wp-content/uploads/2013/08/IPA-Minimising-Pest-Spread-Advisory-Guidelines.pdf">http://www.rlms.com.au/gbof/wp-content/uploads/2013/08/IPA-Minimising-Pest-Spread-Advisory-Guidelines.pdf</a>
Land Use Protocol Callide Infrastructure Corridor State Development Area, Department of State Development, 2017	<a href="http://www.statedevelopment.qld.gov.au/resources/policy/cg/callide-infrastructure-corridor-land-use-protocol.pdf">http://www.statedevelopment.qld.gov.au/resources/policy/cg/callide-infrastructure-corridor-land-use-protocol.pdf</a>
QGC Upstream Operations Waste Management Plan	QCQGC-BX00-ENV-MAN-000003
SHIPPING ACTIVITY MANAGEMENT PLAN - OPERATION	LNGOP-QL00-ENV-PLN-000014

Weeds of Southern Queensland 4 <sup>th</sup> Edition, The Weed Society of Queensland, 2019.	ISBN 978-0-6482033-1-5
Weeds of Central and Northern Queensland 1 <sup>st</sup> Edition, The Weed Society of Queensland, 2019.	ISBN 978-0-6482033-3-9
Pasture Plants of Southern Inland Queensland, 1995, D. R. Henry , T.J. Hall, D. J. Jordan, J. A. Milson, C. M. Scheffe and R. G. Silcock, DPI.	ISBN 0727-6273
Weed and Pest Animal Fact Sheets, DAF, Biosecurity Qld.	<a href="https://www.daf.qld.gov.au/plants/weed-s-pest-animals-ants/educational-resources-and-careers/publications/fact-sheets">https://www.daf.qld.gov.au/plants/weed-s-pest-animals-ants/educational-resources-and-careers/publications/fact-sheets</a>
Weed Spotters Queensland Network, DEHP,	<a href="https://www.qld.gov.au/environment/plants-animals/plants/herbarium/weeds/weed-spotters">https://www.qld.gov.au/environment/plants-animals/plants/herbarium/weeds/weed-spotters</a>

## 2.0 Resources

### 2.1 Roles and Responsibilities

The below roles have key responsibilities under this Manual.

**Table 2 Roles and Responsibilities**

Role	Responsibilities
Business Unit Manager	<ul style="list-style-type: none"> <li>Implementation of this manual</li> <li>Contractor Management to ensure implementation of this Manual</li> </ul>
Asset Manager	<ul style="list-style-type: none"> <li>Implementation of this manual</li> </ul>
Operations Manager	<ul style="list-style-type: none"> <li>Implementation of this manual</li> </ul>
Marine Operation Manager	<ul style="list-style-type: none"> <li>Implementation of this manual</li> <li>Contractor Management to ensure implementation of this Manual</li> </ul>
Maintenance Manager	<ul style="list-style-type: none"> <li>Ensure biosecurity related wash down pad is maintained in good running order</li> <li>Contractor Management to ensure implementation of this Manual</li> </ul>
Warehouse Manager	<ul style="list-style-type: none"> <li>Implementation of this manual</li> </ul>
Contractor	<ul style="list-style-type: none"> <li>Implementation of this manual</li> </ul>
Environment Operations Manager	<ul style="list-style-type: none"> <li>Provide effective resources for technical environmental advice</li> </ul>

Field Environment Superintendent	<ul style="list-style-type: none"> <li>Technical advice, or escalation to Environment SME if required</li> </ul>
HSSE Manager	<ul style="list-style-type: none"> <li>Provide effective resources for the assurance of the implementation of this Manual</li> </ul>
Field Environment Advisor	<ul style="list-style-type: none"> <li>Assurance of the implementation of this Manual</li> <li>Technical advice, or escalation to the Field Environment Superintendent if required</li> </ul>
EMS Advisor	<ul style="list-style-type: none"> <li>Ensure this manual is subject to ISO14001 Audit Program</li> </ul>
Biosecurity & Ecology Specialist	<ul style="list-style-type: none"> <li>Subject Matter Expert on biosecurity</li> </ul>
All Personnel	<ul style="list-style-type: none"> <li>Follow requirements of this manual</li> </ul>

## 2.2 Competence of Personnel

All personnel performing inspections of vehicles or machinery for the purposes of completing Biosecurity Declarations – vehicles / machinery must have minimum competency of AHC BIO201 Inspect and clean machinery for plant, animal and soil material.

All personnel performing inspections of things and locations from which things are being sourced and stored for the purposes of completing Biosecurity Declaration – Supply of things must have minimum competency of AHCPMG301 – Control Weeds.

All personnel responsible for the supply and receipt of things from within a fire ant, electric ant or yellow crazy ant biosecurity zone are required to have completed Fire Ant training run by Biosecurity Queensland. (<https://www.daf.qld.gov.au/plants/weeds-pest-animals-ants/invasive-ants/fire-ants/restricted-areas/fire-ant-training>)

Biosecurity SMEs are required to have completed all listed training.

## 2.3 Wash Down Facilities

A range of wash down facilities, both QGC owned and external, are available to QGC personnel and contractors within the Surat Basin and Gladstone/Curtis Island area. Guidelines are provided in the Government document *Queensland Guideline for the Construction of Vehicle and Machinery Wash Down Facilities*.

A wash down facility must be fit for purpose and able to perform the task of removing things capable of containing or carrying biosecurity matter from the machine / vehicle. Run-off water from the wash down facility must be contained and not permitted to leave the site or wash down area without treatment.

Due to the nature of the work (removing things from vehicles) there is an increased risk of wash down facilities being contaminated with a Regulated Biosecurity matter. Adequate measures must be employed at these sites to reduce the risk of

vehicles, coming in contact with weed plants or material that contains weed seed, when accessing or using the facility.

## 2.4 Hygiene Inspections – Vehicles / Machines

Inspections are recorded on the QGC issued form - Biosecurity Declaration – vehicles / machinery (QCLNG-BX00-ENV-TMP-000004).

Each business unit is expected to have either sufficient numbers of competent personnel to undertake inspections or outsource hygiene inspections to competent personnel.

Vehicle/machinery Hygiene Inspection Reports produced by commercial inspection companies are also acceptable as evidence of having completed a satisfactory inspection. These are referred to as “Third Party Vehicle / machinery hygiene inspection reports. However, these report templates must be of a similar standard to the QGC form and contain all relevant information.

## 2.5 Hygiene Inspections - Things

Inspections are recorded on a Biosecurity Declaration – Supply of Things report (QCLNG-BX00-ENV-TMP-000006), or third-party equivalent.

Each business unit is expected to either have sufficient numbers of competent personnel to undertake inspections of things being supplied to QGC sites or outsource hygiene inspections to competent personnel.

Third party produced hygiene inspection reports relating to things, may be acceptable as evidence that the thing has been inspected and assured as free of biosecurity matter, provided this form is of a similar standard to the QGC produced form.

## 2.6 Import of Offshore Goods and Materials

In the event of importation of goods and materials from offshore additional inspections and resourcing will be implemented if determined to be necessary in accordance with the requirements and protocols of the Department of Agriculture, Water and the Environment (<https://www.agriculture.gov.au/import/online-services/bicon>) and the Biosecurity Act 2015.

## 3.0 Hazards and Effects

The Shell Control Framework requires management of HSSE hazards as per the Hazards and Effects Management Process. This includes identifying HSSE hazards and documenting their potential effects on people, assets, community and environment.

Assessment undertaken by QGC concluded that due to the large geographical area over which QGC operates and the diverse nature of QGC work activities, there is significant risk of QGC and contractor personnel, coming in contact with and spreading invasive biosecurity matter. This may be either directly (through their



person or the vehicle / machine they are operating) or indirectly (a load they are carrying and delivering). This may result in:

- Introduction of invasive biosecurity matter to a site / locality where it was not previously recorded;
- Further spread of a known infestation to create a greater extent and / or increase in density of invasive biosecurity matter.

These impacts may be on going and not defined by a set time frame as invasive biosecurity matter can continue to disperse from a point source of introduction by natural forces (wind, water, animals). The potential risks of the identified hazard have been assessed using the Shell RAM (Appendix B) and presented in Table 3.

Either of these situations is referred to as a biosecurity event. The direct impacts to the business of such an event occurring are loss of reputation, financial liability (fines and costs associated with managing the pest animals, weeds or diseases, compensation to affected landholders for loss of production) and detrimental effects on human health and the natural environment.

**Table 3 Hazard and Effects Register**

Hazard Description	Source (s) of Hazard	Threat	Consequence	(Potential) RAM Rating *			
				P	A	C	E
Invasive biosecurity matter	Areas outside of QGC tenements, properties within QGC tenements	Import of machinery, vehicles and things to QGC worksites	Introduction and spread of invasive biosecurity matter	2 B	2 C	3 C	3 C

\* P- people; A – asset; C- community; E- environment

### 3.1 Performance Criteria

Specific performance criteria which must be met are listed below.

**Table 4 Biosecurity Performance Criteria**

Number	Performance Criteria
BS01	No introduction of invasive or legislated biosecurity matter as a result of petroleum activities
BS02	No spread of invasive or legislated biosecurity matter as a result of petroleum activities within or between properties.
BS03	No breaches of biosecurity related land access rules.
BS04	All vehicles / machinery contains current Biosecurity Declaration – Vehicles / machinery completed by competent person, at ALL times

BS05	Things being moved or supplied to a QGC site from a separate property must be accompanied by a completed Biosecurity declaration – Supply of things, completed by a competent person
BS06	Suppliers of Things from outside of QGC tenements must provide an environment management plan of the facility outlining biosecurity actions, for review and approval prior to movement
BS07	If things are being supplied from within a biosecurity zone, a Biosecurity Instrument Permit must be obtained from an inspector.
BS08	All biosecurity, declaration, training records and measures taken to implement this manual will be accessible for audit for at least 5 years.
BS09	Importer bringing things into Australia and supplying to QGC must be able to demonstrate compliance with appropriate Australian Quarantine & Inspection Service procedures

## 4.0 Planning and Procedures

This section describes the QGC system and processes to minimise Biosecurity risk and to ensure compliance with QGC and regulatory obligations. Refer to Appendix A for a process diagram.

Business units and/or Contractors are responsible for developing their own Plans and Procedures that outlines risks, control measures, monitoring & records to ensure that performance criteria, and requirements listed below are met.

### 4.1 Stakeholder Engagement

Local council pest & weed management plans are reviewed and integrated into QGC’s Biosecurity procedures where necessary.

Landholders are engaged through the negotiation process around biosecurity issues. Landholders are required to highlight pre-existing biosecurity matters. Formal agreements may be entered into through the Conduct and Compensation Agreement, relevant conditions are reflected in Access to Work or Land Access Rules documents. Feedback from landholders around biosecurity issues is managed through the Stakeholder Management System (SMS).

### 4.2 Biosecurity Risk Management

To meet the company’s General Biosecurity Obligation (GBO) and reduce biosecurity risk, all QGC departments, work groups and contractors, must work under a risk assessment and understand the potential biosecurity risks associated with their activities.

Risk assessments must be completed prior to commencing work and cover the potential to come in contact with and spread, diseases, pathogens, pest animals and weeds. Consideration must also be given to the potential for QGC activities to

*QCLNG-BX00-SPG-PCE-000004  
 Stakeholder Feedback Procedure*

attract or facilitate the breeding and proliferation of pest animals. The risk assessment must be completed prior to commencing that specific activity.

### 4.2.1 Diseases and Pathogens

A risk analysis has been undertaken of activities that occur on primary industry properties which QGC personnel may access and has been certified by a Veterinary physician. Refer to Appendix C for a copy of the certification.

Risks identified are based on the likelihood of personnel and vehicles coming in contact with animal or plant diseases or pathogens and potentially spreading these to other properties. Proposed mitigation measures apply only to QGC personnel when undertaking these activities while undertaking petroleum activities.

**Table 5 Risk analysis of activities that occur on properties involving animals and plants, with risk mitigation actions for activities undertaken by QGC personnel**

Activity	Risk	Risk Mitigation Action
Handling livestock, including birthing, administering care or euthanasia	High	None required - Activity not undertaken by QGC personnel on QGC sites
Working in intensive livestock breeding, rearing, feeding and fattening operations	High	None required - Activity not undertaken by QGC personnel on QGC sites
Handling livestock when yarding, transporting and presenting for sale	High	None required - Activity not undertaken by QGC personnel on QGC sites
Transport of livestock or plants from Biosecurity Zones (e.g. Cattle tick zone to Cattle tick free zone; Johne’s disease high risk areas etc)	High	None required - Activity not undertaken by QGC personnel on QGC sites
Accessing landholder dwellings, sheds, livestock yards and feedstuff storage areas	Medium	Ensure personal and vehicle hygiene when entering and leaving properties
Accessing QGC workspaces, RoWs or easements involved in cropping (e.g. grains, pulses, cotton, hay)	Medium	Where possible, avoid during production phase (not in fallow) Adhere to vehicle/ machinery hygiene requirements for property being accessed. Inspection report must remain current when used to enter another property

Remaining on approved access tracks or workspace areas, RoWs and easements that do not come in contact with any medium or high-risk situations / activities	Low	Adhere to vehicle/ machinery hygiene requirements for property being accessed. Inspection report must remain current when used to enter another property
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### 4.2.2 Pests and Weeds - Vehicle and Machinery Movements

Risk assessment has been completed for all QGC based activities involving vehicles and machines and has been certified by an ecologist. Refer to Appendix C for a copy of the certification. The likelihood of these activities coming in contact with, and potentially spreading, invasive weeds and pest animals has been assessed.

**High Risk:** Activities which come in contact with vegetation and topsoil. Alternatively, this includes any work within a declared biosecurity zone or known infestation of invasive biosecurity matter

**Medium risk:** Activities which only travel on unsealed/gravel access roads, hardstands or subsoil material.

**Low Risk:** Activities which remain on sealed roads accessing only the major commissioned facilities and hubs.

**Low-Low Risk:** Activities which remain within the Curtis Island LNG facility, including the sealed external boundary ring road.

Mandatory wash down and inspection frequencies for each risk category are nominated. This wash down and inspection frequency, nominated for each risk category, is designed to set minimum standards for wash down and inspection and ensure that inspections will occur in a scheduled manner, at an increased frequency for higher risk activities.

Note, inspection reports are no longer valid when the vehicle / machine comes in contact with biosecurity matter or works in an activity where the risk is higher than the risk category to which the vehicle/ machine has been nominated.

**Table 6 Risk analysis of QGC work activities involving vehicles and machines with minimum hygiene inspection frequencies**

Scope / Activity	Vehicle / Machinery	Risk (inspection frequency)
Land Access- negotiations with private landowners	Light vehicles	High (2 weekly)
Pre-clearance survey/ pegging parties- survey of land prior to construction activities	Light vehicles	

Vegetation clearing, topsoil stripping- removal of vegetation and topsoil*	Dozers, graders, scrapers, mulchers, light vehicles	
Rehabilitation and maintenance- reinstatement of topsoil, seeding and vegetation/weed control	Graders, tractors, disc ploughs, quad bikes, spray rigs, light vehicles	
Company vehicles travelling off-road recreationally outside of work hours or rostered shifts	Light vehicles	
Right of Way inspection, operation and maintenance	Light Vehicles	
Gathering and trunklines- subsoil removal, laying of pipe	Trenching, fusion, pipe laying machines, rollers, excavators, water trucks	Medium (3 monthly)
Well Engineering- construction of well pads and access roads	Dump trucks, excavators, rollers, water trucks	
Wells drilling / completions / work overs	Rigs and camp movement machinery, light vehicles	
Facilities construction- compression, camps and ponds and hardstand pads, laydowns	Dump trucks, excavators, light vehicles, cranes, concrete and water trucks	
Wells testing / commissioning	Light vehicles, medium trucks	
Facilities inspection, operation and maintenance	Light Vehicles, medium trucks	
Admin, security and maintenance at office, camps and major hubs	Light Vehicles	Low (6 monthly)
Deliveries of equipment to commissioned water treatment plants, Central Processing Plants, major hubs and supply bases	Light vehicles, medium and heavy rigid trucks	
Site vehicles at LNG plant which remain within the plant, including the outer boundary sealed roads	Light vehicles, medium and heavy rigid trucks and other machinery	Low-Low (12 monthly)

\*: machinery working on the same property for extended periods of time (>2 weeks) will retain the same biosecurity risk and may seek dispensation from the 2 week period from the Biosecurity SME.

### 4.2.3 Pests and Weeds - Supply of Things

Risk assessment has been undertaken of the potential sources of things that may be imported and transported on QGC sites. Examples of “things” that this will apply to include borrow pit material, rock, soil, mulch, sawdust, manure, rubbish/waste or any other thing capable of carrying a biosecurity matter. This

includes water that may be supplied to site either on land or at sea (ballast water contained in international ships)

This risk assessment is based on the likelihood of the thing introducing legislated or invasive biosecurity matter onto QGC sites. For work within the Upstream area this risk is mostly associated with invasive pest plants. However, certain invasive pest animals must also be considered, especially insects (fire ants). Requirements are outlined which aim to mitigate the risk associated with the movement of these things, depending on the situation from where the thing is sourced. This is based on a system of inspection and environmental assurance.

Once things have been supplied to a site they are subject to ongoing monitoring as per section 4.2.3 and any site-specific management plans. With regards to waste material, management actions are outlined in the QGC Upstream Operations Waste Management Plan.

**Table 7. Risk analysis and requirements for import of things onto QGC sites**

Situation	Risk	Requirement
Importing from other countries	High	Follow appropriate Federal quarantine procedures
Sourcing from a site located inside an identified biosecurity zone	High	Obtain a Biosecurity Instrument Permit
Sourcing from a site outside of QGC tenement areas	High	Supplier has EMP in place relating to the operation of the site, things inspected and declared free of legislated and invasive biosecurity matter, transport vehicles and storage areas declared free of legislated and invasive biosecurity matter. EMP approved by QGC Environment prior to supply or site inspected and Biosecurity Risk deemed acceptable by SME or delegate.
Movement between properties inside QGC tenements	Medium	Scheduled inspections of the extraction site and storage location, things inspected and declared free of legislated and invasive biosecurity matter, transport vehicles and storage areas declared free of legislated and invasive biosecurity matter.

Movement within the same property	Low	Avoidance of any existing invasive biosecurity matter, transport vehicles declared free of legislated and invasive biosecurity matter.
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#### 4.2.4 Pest Animals – Proliferation and Spread

There is a risk that QGC activities may modify the environment and/or provide a situation that attracts pest animals which may lead to the proliferation and spread of the pest animal species. Sites where this may be applicable include offices, camps, laydowns, storage areas and operational infrastructure. This risk will be mitigated by:

- Reducing the likelihood of animals coming in contact with food and other edible waste products through effective waste management;
- Minimising habitats suitable for pest animal breeding by maintaining clean and tidy worksites;
- Undertaking monitoring for pest animals (see section 4.6.3)
- Undertaking pest control where necessary as per section 6.3.

### 4.3 Authority to Work

Biosecurity constraints and requirements for specific scopes of work are based on stakeholder engagement and ecological survey. These are delivered in the Access to Work and Land Access Rules documents.

Ecological surveys and mapping of populations of legislated and invasive plant matter is conducted at:

- Pre-clearance on QGC infrastructure areas;
- Pre-clearance of entire LH property if negotiated by Landholder;
- Scheduled monitoring during operational life of infrastructure;
- *Ad hoc* Land Holder grievances; and
- Scheduled monitoring after final rehabilitation, until Final Acceptance

Population extent is stored in GIS under the “Vegetation Management” workspace. Detailed property or asset specific maps may also be produced showing extent and density of pest populations.

### 4.4 Accessing Land

Land Access Rules are mandatory for all personnel accessing QGC sites and are the primary method for communicating the biosecurity hazards that are located on the property. The specific property access rules will outline:

- Wash down requirements (e.g. QGC or third-party wash down);
- Where applicable, specific location of any known Biosecurity matter;

*Refer to Environmental Field Constraints - Assessment Guideline QCLNG-BX00-ENV-PLN-000038*

*Refer to Requirements for Contractor Environmental Management Systems and Environmental Management Plans QCQGC-BX00-ENV-GDL-000005*



- How vehicles can avoid coming in contact with the biosecurity matter;
- What actions are required when vehicles/ machines leave the property and/ or section of the property;

## 4.5 Construction & Civil Maintenance/Works Management

Contractors and business units are required to develop an Environmental Management Plan (or equivalent) for the specific scope of works to document the controls to manage any biosecurity risks with reference to Access to Work, Land Access Rules, this Manual and the Biosecurity Management Procedure. Controls must include:

- Hygiene of vehicles/machinery entering land and transporting things;
- Work scheduling to avoid infestations / traffic or vehicle management;
- Management or treatment (mechanical or chemical) of infestations prior to or during works;
- Wash down locations and inspections;
- Things declared free of legislated and invasive biosecurity matter

QGC Environment must approve the plan *prior* to works commencing.

## 4.6 Operation of Infrastructure

### 4.6.1 Avoiding Known Biosecurity Hazards

Mapped populations of legislated and invasive biosecurity pest plants and animals are stored in GIS and communicated through the Land Access Rules, property or infrastructure specific mapping. Signage may also be installed at property entry points and adjacent to infestations to notify personnel of the biosecurity risk.

*Refer to Vegetation Management Procedure (QCQGC-BX00-ENV-PCE-000012)*

### 4.6.2 Responding to Biosecurity Events

A biosecurity event is considered to have occurred when a prohibited or restricted or invasive pest plant or animal has been introduced to a QGC site where it was not previously recorded or observed.

When this has occurred as a direct result of QGC related activities, QGC takes responsibility for the notification and management of the event and subsequent Biosecurity matter.

Prohibited invasive matter must be controlled with an objective of eradication. Restricted and invasive matter must be controlled to extent and density of background pre-disturbance or equivalent to property wide condition.

If required, QGC will develop a specific management plan for a property in consultation with a suitably qualified ecologist and the landholder to adequately control the infestation. This plan must outline the:

- Hazard and biology of the pest;
- Area involved including GIS mapping of the infestation;



- Pest management methodology including chemicals proposed for use;
- Times when pest management will be undertaken;
- Goals and objectives of the management activities;
- Monitoring schedule;
- Temporal scale of plan.

The management plan will be adaptive and able to be modified based on the results of monitoring events. Other considerations for long term management of infestation areas are: restricting access to the infestation site by grazing animals; minimising disturbance to the infestation site; encouraging desirable species to become established which can outcompete the invasive species; introducing biological control agents where applicable; historical site management practices.

### 4.6.3 Monitoring & Reporting

Known populations of legislated and invasive pests are routinely monitored in a scheduled manner by suitably qualified personnel to determine:

- Current extent and density;
- If biosecurity controls in place are being effective in minimising contact with the infestation;
- If pest management plans are being effective in reducing the extent and density of the infestation.

Monitoring results are communicated to the relevant project and operational business units. Follow up actions relating to biosecurity events are to be raised in the relevant notification system as per section 6.6 (Incidents).

Operational assets are routinely monitored by asset area owners. Any environmental issues relating to invasive biosecurity matter that are not covered by existing property plans and access rules are to be raised by the site personnel for investigation by a suitably qualified person. Any potential legislated or invasive matter encountered must be reported to QGC Environment for identification.

If Prohibited or Category 1 or 2 Restricted biosecurity matter is found on a QGC site, the Department of Agriculture, Fisheries and Forestry, as the Administering Authority, must be notified within 24 hours. This requirement will be managed by the QGC Environment Operations team.

## 5.0 Implementation

Business units and contractor companies are responsible for the implementation of systems, processes and controls to meet performance criteria and other requirements listed in this Manual.

### 5.1 Contracts

This Biosecurity Manual and associated requirements must be included in contracts (HSSE Exhibit Part B).

*Refer to Environmental Operating Procedure for infrastructure.*

## 5.2 Control of Documents and Records

This Manual has been developed, and will be reviewed as per Shell QGC Document Control Procedure (QCQGC-BX00-DDC-PCE-000002). Revised versions of this manual must be provided to DoEE for review and approval.

Records must be stored within the project or operational business unit for a period of at least 5 years. This documentation must be accessible and made available upon request. All records to be managed as per:

- Contractors to submit into contractually agreed database as work packages are completed (e.g. eB); or
- QGC Business unit document management system for each individual region;
- Document control procedure for archival of hard copies of completed inspection booklets.

## 5.3 Awareness

Biosecurity requirements outlined in this manual are communicated through:

- Our Way Induction;
- Land Access Rules;
- Environmental Sustainability Learner Guide (QCQGC-OPS-ENV-GDL-000001)
- Toolbox talks;
- Access to Work documents;
- Environmental Operating Procedures (or equivalent);
- Documents available on eB.

## 5.4 Management of Change

New revisions of this document will be communicated to all personnel via:

- Companywide flash notifications;
- Specific tool box presentations, made available for contractors and operations personnel to deliver; and
- Contract amendments

Gap analysis will be required to communicate any changes in scope to existing contractor owners relating to potential implications on resourcing.

## 6.0 Performance Evaluation

### 6.1 Wash Down Standards

The process of washing down must reduce the risk of spreading biosecurity matter. The expectation is that following wash down and inspection, the machine / vehicle is free of things capable of carrying weed seed, pathogens, diseases or animal pests.

While a vehicle hygiene wash down and inspection cannot guarantee that a vehicle / machine or attachment item is completely free of Biosecurity matter, all reasonable effort must be made to achieve that target. This includes accessing all areas indicated on the inspection report and which:

- Are hidden from view
- Accessed only by removing plates, guards and covers
- Contain tools, equipment and attachments

The vehicle / machine once washed and inspected, is considered clean only at the time of completing the inspection. From then on, the vehicle cleanliness remains the responsibility of the operator of the vehicle / machine and will depend on the surface being driven on, route taken and work area accessed.

### 6.2 Supply of Things

The thing being supplied should contain no living organic matter or live animals either on or in the thing being supplied. Furthermore, the thing should be free of other potential carriers. For example, a supply of rock should not contain soil, mulch or other things.

The part of the vehicle / machine used to contain and supply the thing must also be free of other things. For example, a tipper truck body should not contain remains of things/matter that were supplied to other locations.

To reduce the risk of contamination of a thing by live invasive biosecurity matter and / or reproductive matter of an invasive pest, the area surrounding the site, used to store the thing should also be free of invasive biosecurity matter. This greater site area surrounding the storage location should be clean, tidy, well managed, with adequate separation of vegetation and topsoil from the things being stockpiled and the general storage location.

### 6.3 Pest Management Plans

A pest management plan implemented on a QGC site in response to a biosecurity event will be considered successful when the pest population has been brought back to a level that is consistent with the analogue, back ground or pre-disturbance condition.

When this condition has been confirmed to have been reached, through consultation with the relevant regulatory authority and / or applicable landholder, the specific pest management actions will be concluded and inspections will revert to standard monitoring process as 4.6.3.

## 6.4 Assurance

QGC Field Environment will review a subset of all petroleum activities to assure relevant biosecurity controls are in place and performance criteria are being met. This will be completed at a monthly frequency during project and operational phases and also include ad hoc inspections at any time by environmental advisors.

## 6.5 Audits

This Manual will be subject to QGC's HSSE and ISO14001 Audit program.

QGC activities may also be subject to external audits. This includes the audits and inspections conducted by, or on behalf of, the Federal and State Administering Authorities.

## 6.6 Non-conformity and Corrective Actions

Any instances of personnel not operating or working in accordance with this manual are to be reported to the relevant contract Demand Manager or Operational Field Manager and will be subject to further investigation.

## 6.7 Investigation

Any non-compliances with performance criteria are to be investigated as per HSE\_GEN\_000027 HSSE Incident Reporting, Investigation and Follow Up Procedure. All investigations must be approved by the QGC SME. Actions out of the investigation should address the root cause and be tracked until closed.

## 7.0 Management Review

### 7.1 Review

Management review will be undertaken by QGC Field environment team and include:

- Trends of non-conformity with this manual;
- Trends of internal and external audit findings regarding biosecurity issues; and
- Any required updates to this manual.

### 7.2 Reporting

Non-conformity and audit findings must be reported in the following forums:

- Weekly HSSE Incidents Update; or
- Monthly HSSE Committee; and
- Federal annual environmental report.

## Definitions

Term	Meaning
<b>ATW</b>	Access to Work
<b>Biosecurity Area</b>	An area where a biosecurity event has occurred, is subject to some form of control
<b>Biosecurity Matter</b>	A living thing (other than a human), or a pathogen, or a disease, or a contaminant
<b>Biosecurity Declaration – Supply of Things</b>	A report stating that a thing being sold or supplied to a site is free of invasive biosecurity matter. To be completed by a competent inspector and available for printing on EB
<b>Biosecurity Declaration – Vehicles / machinery</b>	A report stating if a machine/vehicle has passed a hygiene inspection. To be completed by a competent weed hygiene inspector. The form printed in multiple copies is issued by the company or third party.
<b>Biosecurity Event</b>	An event that has, or may have, a significant adverse effect on a biosecurity consideration and is caused by biosecurity matter
<b>Biosecurity instrument permit</b>	A form issued by the Queensland Government (Biosecurity Queensland) or approved inspector to declare if a thing is free of biosecurity matter of concern.
<b>Biosecurity Zone</b>	A specific zone / part of Queensland that has legal movement restrictions placed on it to limit the spread of pests and diseases within the state. Refer to Government websites for current maps of biosecurity zones for various pests and diseases
<b>Carrier</b>	things that can carry prohibited or restricted biosecurity matter
<b>Common Pests and Weeds</b>	Undesirable plants and animals that are not a legislated pest in the Biosecurity Act 2014 or local Government legislation, or invasive pests, that are common or naturalised to an area and / or property.
<b>Contractors</b>	Responsible party contracted to conduct works.
<b>CSG</b>	Coal Seam Gas
<b>DAFF</b>	Department of Agriculture and Fisheries
<b>DEHP</b>	Department of Environment and Heritage Protection
<b>DoEE</b>	Department of the Environment and Energy
<b>EA</b>	Environmental Authority
<b>EPBC Approval</b>	Federal Environmental Approval
<b>eB</b>	QGC Document management system
<b>EMP</b>	Environmental Management Plan
<b>EMS</b>	Environmental Management System
<b>FEA</b>	Field Environment Advisor
<b>GBO</b>	General Biosecurity Obligation under Biosecurity Act 2014 (Qld). Take all reasonable and practical steps to minimise the risks associated with invasive plants and animals.
<b>HER</b>	Hazard and Effects Register
<b>HPV</b>	High Point Vent

<b>Hygiene Inspector - Things</b>	Person who has achieved competency in the following units AHCPMG301A Control Weeds, who completes Biosecurity Declaration – supply of things
<b>Hygiene Inspector – Vehicles / machinery</b>	Person who has achieved competency in the following units, AHCPIO201A Inspect and Clean Machinery of Plant and Soil Material, who completes Biosecurity Declaration – vehicle / machinery
<b>Invasive Pest / Biosecurity Matter</b>	A non-native plant or animal with the potential to invade an area and / or a property where it was not previously known to exist. Will cause significant impact to economy, health and / or environment.
<b>Land Access Activity Request (LAAR)</b>	Request raised to access land on behalf of QGC or contractors
<b>Land Access Rules (LAR)</b>	The rules negotiated with the landholder governing all activities that occur on private, QGC owned or Government (Council, State and Commonwealth) owned land.
<b>Legislated Pest / Matter</b>	A plant or animal confirmed to be in either Schedule 1 (prohibited matter) or Schedule 2 (restricted matter) referenced in the Biosecurity Act 2014 or listed by Local Council.
<b>LPD</b>	Low Point Drain
<b>Minister</b>	Minister administering the EPBC Act and includes the delegate of the Minister.
<b>Native plant or animal</b>	Plant or animal of local provenance, from within Bioregion
<b>Off road</b>	Not on roads, includes paddocks, poorly maintained tracks, cleared ground.
<b>Prohibited Matter</b>	Not found in Queensland. If it was to enter Queensland it would have significant impacts on our health, way of life, economy and environment. Biosecurity Queensland must be contacted immediately if you become aware of the presence of prohibited matter. You must take steps to minimise the risks posed by this matter.
<b>QGC Facilities</b>	All QGC facilities including hardstand laydowns, Field Compression Stations, Central Processing Plants, office admin areas and hardstand parking areas.
<b>QPWS</b>	Queensland Parks and Wildlife Service
<b>Restricted Matter</b>	Currently found in Queensland but has not reached the full extent of its potential distribution. Significant impact on our health, way of life, economy and environment. Specific actions are required to be undertaken to limit the impact of this matter by reducing, controlling or containing it.
<b>Roads</b>	Sealed bitumen, or well-formed and maintained gravel roads.
<b>RoW</b>	Right of Way, an easement through which some infrastructure is laid, including pipelines and access tracks.
<b>SME</b>	Subject Matter Expert
<b>Thing</b>	A thing is defined as anything capable of carrying or containing living or reproductive biosecurity matter. This includes fodder, grain, seed, livestock, gravel, sand, soil, mulch, rock, packing material, rubbish or water.
<b>Third Party Inspector</b>	Person who has achieved the relevant competency and is not the owner and/or operator of the machine, or supplier of thing. The term may be used to refer to commercial companies that undertake hygiene inspections and produce inspection reports.
<b>Third Party vehicle/machinery hygiene inspection report</b>	Report of a similar standard to the QGC report - Biosecurity Declaration – Vehicles / machinery . Produced by a commercial company involved in the inspection of vehicles and machinery, branded with their company logo

<b>Wash down</b>	The act of removing soil, organic matter and other potential contaminants that may contain weed seeds from a vehicle or machine using water.
<b>Wash down facility</b>	A purpose-built facility capable of delivering a machinery/ vehicle wash down that is able to satisfactorily remove potential weed seed contaminants. Facilities can be temporary, semi-permanent or permanent in nature.
<b>Wash down log</b>	A record of having completed a wash down of a vehicle or machine.
<b>WONS</b>	Weed of National Significance



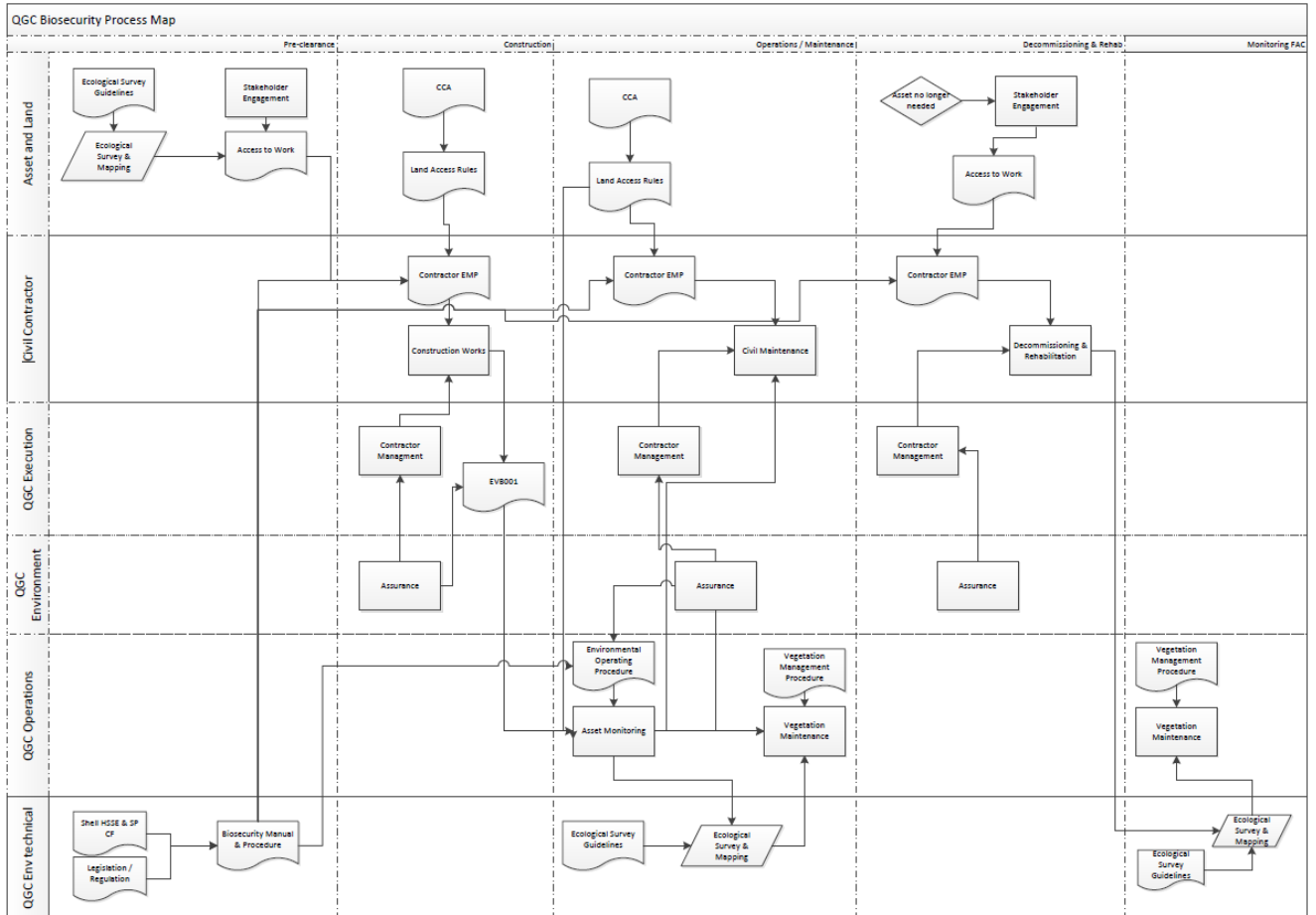
## Appendix A Condition Compliance for Biosecurity Manual (QCQGC-BX00-ENV-MAN-000002 Rev 5)

EPBC Approval	Relevant Condition	Compliance with the condition
EPBC 2013/7047 – Surat Basin  (Condition 10)	<i>10. The approval holder must manage impacts to EPBC listed threatened species and communities from pest and weed species in accordance with the Pest and Weed Management Plan included in the QGC Preliminary Documentation Response Development of Surat Basin Acreage (Management Plans, Volume 4.0, June 2014).</i>	The Biosecurity Manual (QCQGC-BX00-ENV-MAN-000002 Rev 5) details the methods in which QGC staff and contractors manage biosecurity risks across all petroleum activities. This includes outlining roles and responsibilities, provision of washdown facilities, procedures, hygiene inspections, and managing access to land and authority to work procedures.
EPBC 2018/8276 – Surat Basin (Condition 8)	<i>8. The approval holder must manage to reduce/minimise impacts to listed threatened species and communities from pest and weed species in accordance with the Biosecurity Control Manual.</i>	The Biosecurity Manual (QCQGC-BX00-ENV-MAN-000002 Rev 5) outlines how QGC manages the impact of pests and weeds to EPBC listed threatened species and communities by outlining roles and responsibilities during each stage of construction and operation that demonstrate QGC is meeting its general biosecurity obligation under the <i>Biosecurity Act 2014</i> (QLD).
EPBC 2008/4398 – Gas Fields (Condition 15(c))	<i>15. Before commencement of gas field development the proponent must develop a Remediation, Rehabilitation, Recovery and Monitoring Plan. The Plan must:</i>  <i>(c) include responses to threats to MNES from the proponent’s operational activities and land management activities include the disposal and use of associated water, damage by livestock, and impacts from feral animals and weeds.</i>	The Biosecurity Manual (QCQGC-BX00-ENV-MAN-000002 Rev 5) addresses how QGC manages impacts to MNES from feral animals and weeds by outlining roles and responsibilities during each stage of construction and operation that demonstrate QGC is meeting its general biosecurity obligation under the <i>Biosecurity Act 2014</i> (QLD), and describing how biosecurity events are managed. QGC’s Reinstatement and Rehabilitation Manual (QCQGC-BX00-ENV-MAN-000005) and the Environmental Operating Procedure for Common Systems (QCOPS-OPS-ENV-PCE-000028) address the other issues in condition 15 of 2008/4398.
EPBC 2008/4399 – Pipeline (Conditions 3(f) and 3(g))	<i>3. The Environmental Management Plan must include:</i>  <i>(f) machinery wash down procedures and ongoing monitoring to minimise the spread and establishment of weeds in the ROW. Monitoring of weed infestations within disturbed areas must occur at least monthly during construction and then quarterly for a period of two years after completion of construction. Appropriate weed</i>	Condition 2 of EPBC 2008/4399 requires the proponent to prepare an Environmental Management Plan to manage the impacts of construction, operation and decommissioning of the pipeline and condition 3 outlines the required content of the Environmental Management Plan. Conditions 3(f) and 3(g) require QGC’s Environmental Management Plan to include management of pests. The Biosecurity Manual (QCQGC-BX00-ENV-MAN-000002 Rev 5) meets these requirements.



	<p><i>control measures must be implemented. After the two-year period, the frequency of monitoring must be reconsidered by the proponent, based on the success of control measures, the level of infestations and pipeline maintenance activities;</i></p> <p><i>(g) measure to manage and control feral animals that may spread due to the establishment of the ROW.</i></p>	<p>The Biosecurity Manual (QCQGC-BX00-ENV-MAN-000002 Rev 5) details the methods in which QGC staff and contractors manage biosecurity risks across the pipeline operational activities. This includes outlining roles and responsibilities, provision of washdown facilities, providing adequate training for wash downs and vehicle/machinery hygiene inspections, identifying and managing biosecurity incidents, developing and implementing Pest Management Plans and managing access to land and authority to work procedures.</p>
<p>EPBC 2008/4402 – LNG Plant (Condition 30)</p>	<p><i>30. Before the commencement of construction of the LNG facility, the proponent must prepare a Quarantine Management Plan (QMP). The objectives of the QMP are to prevent the introduction of non-endemic species on to Curtis Island. The QMP must include measures to:</i></p> <ul style="list-style-type: none"> <li><i>(a) detect pests and weeds, and prevent weed introduction and/or proliferation;</i></li> <li><i>(b) control and, unless otherwise determined by the relevant State authorities, eradicate detected non-indigenous terrestrial species (including weeds); and</i></li> <li><i>(c) mitigate adverse impacts of any control and eradication actions on indigenous species taken against detected pests and weeds;</i></li> <li><i>(d) assess risk, manage supply chains, and manage and inspect vessels;</i></li> <li><i>(e) mitigate any pest or weed impacts</i></li> <li><i>(f) report and record any quarantine incidents:</i></li> <li><i>(g) identify performance standards to be achieved by the QMP; and</i></li> <li><i>(h) undertake a review of the QMP and identify the need for any further studies</i></li> </ul>	<p>Condition 30 of 20087/4402 requires QGC to prepare a Quarantine Management Plan (QMP). The Quarantine Management Plan (LNGOP-QL00-ENV-PLN-000011) was prepared and implemented primarily for the construction phase.</p> <p>The Biosecurity Manual (QCQGC-BX00-ENV-MAN-000002 Rev 5) replaces elements <i>a, b, c, e, f, g &amp; h</i> of the QMP that are appropriate to the current stage of operations. Specifically by defining biosecurity events, outlining roles and responsibilities, developing and implementing Pest Management Plans and defining Performance Criteria that demonstrate QGC is meeting its general biosecurity obligation under the <i>Biosecurity Act 2014</i> (QLD).</p> <p>The Marine Terminal Handbook (QGCM-U24-MRN-MAN-000001) replaces element <i>d</i> of the QMP, detailing the very limited interactions with vessels, most of which is now covered under individual vessel entry requirements managed by the Gladstone Port Authority and Department of Agriculture, Fisheries and Forestry.</p>
<p>EPBC 2015/7463 - Anya (N/A)</p>	<p>Not applicable</p>	<p>There are no conditions in this approval which require the preparation and implementation of biosecurity plans, however the Biosecurity Manual (QCQGC-BX00-ENV-MAN-000002 Rev 5) applies to all QGC project and operational areas.</p>

## Appendix B Biosecurity Process Map



## Appendix C Shell Risk Assessment Matrix

### RISK ASSESSMENT MATRIX

SEVERITY	CONSEQUENCES				INCREASING LIKELIHOOD				
	People	Assets	Community	Environment	A	B	C	D	E
					Never heard of in the Industry	Heard of in the Industry	Has happened in the Organisation or more than once per year in the Industry	Has happened at the location or more than once per year in the Organisation	Has happened more than once per year at the Location
0	No Injury or Health Effect	No Damage	No Effect	No Effect					
1	Slight Injury or Health Effect	Slight Damage	Slight Effect	Slight Effect					
2	Minor Injury or Health Effect	Minor Damage	Minor Effect	Minor Effect					
3	Major Injury or Health Effect	Moderate Damage	Moderate Effect	Moderate Effect					
4	PTD or up to 3 fatalities	Major Damage	Major Effect	Major Effect					
5	More than 3 fatalities	Massive Damage	Massive Effect	Massive Effect					

Refer to the Risk Assessment Matrix Guide for further details

## Appendix D Biosecurity Industry Certifications

Oaths Act 1867

### Statutory Declaration

QUEENSLAND  
TO WIT

I, Gerard (Gerry) Callahan

of 689 Sarina Beach Road, Sarina Beach, 4737, in the State of Queensland,

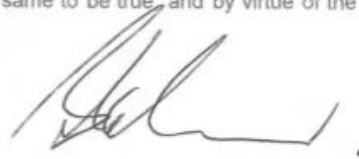
do solemnly and sincerely declare that:

I hold a Bachelor of Science, Biology. I am an ecologist with more than 30 years' experience and meet the definition of a suitably-qualified person for the purposes of the below document.

In relation to the ecology elements (i.e. weeds and pests) of this Biosecurity Manual, I hereby, certify that:

- a) false, misleading or incomplete information has not knowingly been included in the document;
- b) I have not knowingly failed to reveal any relevant information or document to the administering authority;
- c) the document addresses the relevant biosecurity matters for the function and is factually correct;
- d) relevant material, including current published guidelines have been considered when writing the document;
- e) the document meets the requirements of the relevant conditions of the legislation and environmental authorities; and
- f) the opinions expressed in the document are honestly and reasonably held; and
- g) the document has been developed, revised by, and involved input from, suitably qualified people.

I make this solemn declaration conscientiously believing the same to be true, and by virtue of the provisions of the Oaths Act 1867.



Signature of declarant

Taken and declared before me at SARINA  
this 12 day of JUNE 2020

A Justice of the Peace/Commissioner for Declarations



64527



**CHINCHILLA  
VET SERVICES**

204 Gormleys Road | PO Box 272  
Chinchilla Queensland 4413  
P. 07 4662 7637 A.H. 0439 736 067  
E. admin@chinchillavet.com.au  
www.chinchillavet.com.au  
ABN: 26 167 489 349

To Whom it May Concern,

This is to Certify that I have examined the document

QCQGC-BX00-ENV-MAN-000002, which is the rereleased Biosecurity Plan for QGC, dated June 2020.

I find that the document appropriately identifies the risks associated with spreading plant and animal pathogens between sites where QGC operates.

The document also describes appropriate methods for reducing this risk to a great extent.

Importantly, the document also connects to other manuals that explain risk and also discuss the process of communication with landholders effected by this process.

With all these facts in mind I am very happy to endorse this Manual.

Yours sincerely,

Kylie Schooley BVSc (hon)

Practice Principal



## Appendix E    DAWE Approval Letter



Megan Batterham  
Lead Compliance, Environment Operations  
QGC Pty Ltd  
275 George Street  
Brisbane QLD 4001

Dear Ms Batterham

**EPBC Act approvals 2008/4398, 2008/4399, 2008/4402, 2013/7047, 2015/7463 and 2018/8276**

**Approval of QGC HSSE Risk Control Manual: Biosecurity**

Thank you for your correspondence dated 13 July 2020 to the Department, seeking approval of the *HSSE Risk Control Manual: Biosecurity, QCQGC-BX00-ENV-MAN-000002 Rev 5, June 2020* in relation to the following EPBC Act approvals in accordance with the relevant approval conditions for biosecurity, pest and weed control:

- 2008/4398 (condition 15(c))
- 2008/4399 (conditions 3(f) and 3(g))
- 2008/4402 (condition 30)
- 2013/7047 (condition 10)
- 2018/8276 (condition 8)
- 2015/7463.

Officers of this Department have considered the *HSSE Risk Control Manual: Biosecurity, QCQGC-BX00-ENV-MAN-000002 Rev 5, June 2020* and are satisfied that it meets the requirements of above listed EPBC Act approvals in relation to pest and weed control as follows:

- as specifying the pest and weed management components of the Environmental Management Plan required under condition 15(c) of EPBC approval 2008/4398;
- as specifying the pest and weed management components of the Environmental Management Plan required under conditions 3(f) and 3(g) of EPBC approval 2008/4399;
- as meeting the requirements of condition 30 attached to EPBC Act approval 2008/4402;
- as the approved revised Pest and Weed Management Plan referred to in conditions 13 and 14 attached to EPBC Act approval 2013/7047; and
- as the revision of the *HSSE Risk Control Manual: Biosecurity, QCQGC-BX00-ENVMAN - 000002, Revision 4, May 2018* to which the definition of Biosecurity Control Manual in the conditions attached to EPBC Act approval 2018/8276 refer.

I note your commitment that QGC will apply the relevant measures in the *HSSE Risk Control Manual: Biosecurity, QCQGC-BX00-ENV-MAN-000002 Rev 5, June 2020* to address any biosecurity issues in relation to taking EPBC Act approved action 2015/7463.

On this basis, and as a delegate of the Minister for the Environment, I have decided to approve the *HSSE Risk Control Manual: Biosecurity, QCQGC-BX00-ENV-MAN-000002 Rev 5, June 2020*. This plan replaces *HSSE Risk Control Manual: Biosecurity, QCQGC-BX00-ENVMAN - 000002, Revision 4, May 2018*, and must now be implemented.

As you are aware, the Department has an active monitoring program which includes monitoring inspections, desk top document reviews and audits. Please ensure that you maintain accurate records of all activities associated with, or relevant to, the conditions of approval so that they can be made available to the Department on request.

Should you require any further information please contact Panna Patel on (02) 6275 9299 or [postapprovals@environment.gov.au](mailto:postapprovals@environment.gov.au).

Yours sincerely

A handwritten signature in black ink, appearing to read 'Rick Miles', with a long horizontal flourish extending to the right.

Rick Miles  
Assistant Secretary A/g  
Assessments (Vic, Tas) and Post Approvals  
Environment Approvals Division

2 October 2020