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Quarantine Procedure Trading Vessels

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Approvals

| | Name | Signature | Date |
|------------------|----------------|-----------|------------|
| Author: | Justin Downs | | 08/08/2024 |
| Checked: | Neville Amaria | | 08/08/2024 |
| Approved: | Andrew Graham | | 08/08/2024 |

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1 Introduction

As part of Chevron Australia's commitment to protecting the values of Barrow Island (BWI) as a Class 'A' Nature Reserve, a Quarantine Management System (QMS) is in place that incorporates a series of quarantine procedures and standards. Refer to *OE-07.08.0001 Terrestrial and Marine Quarantine Management System* (Ref.1) for further information.

The success of quarantine management on BWI depends on the ownership of, and participation in, the QMS by all Company and Transporter personnel.

This document defines the procedure for trading vessels (herewith referred to as "Trading Vessels") intending to access BWI waters and provides information to the Company, Contractor, Lifters and others associated with Trading Vessels to ensure quarantine compliance.

This procedure forms one component of the QMS and should be used in conjunction with other relevant documents listed in Section 9.

1.1 Purpose

The purpose of this procedure is to prevent the introduction of Non-indigenous Terrestrial Species and Marine Pests to BWI or BWI waters via Trading Vessels.

This procedure outlines the steps required to risk assess, approve mobilisation, and undertake compliance inspection activities for Trading Vessels accessing the BWI Gorgon Marine Terminal at the Port of BWI.

1.2 Scope

This document applies to international origin Trading Vessels lifting cargoes at the BWI Gorgon Marine Terminal. Crude oil from the WA Oil operation is outside the scope of this procedure.

All other marine vessels (e.g., construction, supply chain and operations vessels) are outside the scope of this document.

In the application of this procedure, all personnel should refer to and be guided by GOR-COP-0176 *Barrow Island Port Information Manual* (Ref.2) regarding the Trading Vessel's safety of operations.

1.3 Objectives

The objectives of this document are to clearly describe Company's BWI quarantine compliance requirements for Trading Vessels.

1.4 Target Audience

This document is intended for use by:

- Company
- Joint Venture Partners
- Lifters and Transporters
- BWI Marine Operations.

1.5 Management System Expectations

The following Management System Expectations are associated with this document:

- Complies with Company's Barrow Island Quarantine Management System
- Complies with State and Commonwealth biosecurity requirements
- Provides clear definition of roles and accountabilities
- Specifies agreed timelines and communications.

2 Legislation

BWI is protected as an A Class nature reserve and marine park by both West Australian State, and Australian Commonwealth legislation including, but not limited to:

Australian Commonwealth Government

Commonwealth Biosecurity Act 2015 and Biosecurity Regulations 2016: The Biosecurity Act 2015 is administered by the Australian Department of Agriculture Fisheries and Forestry (DAFF). All vessels must adhere to the Biosecurity Act 2015 and Biosecurity Regulations 2016, which includes requirements for entry into Australian waters, ballast water management and sanitation.

West Australian State Government

WA Fish Resources Management Act 1994 and its regulations: Department of Primary Industries and Regional Development (DPIRD) has the right to inspect any vessels for Marine Pests, and can impose instructions on vessels if a biosecurity threat is found. Vessel owners must note the obligations to DPIRD regarding species listed in the DPIRD (Fisheries) *Western Australian Prevention List for Introduced Marine Pests* (2016) (Ref.3).

Barrow Island (State and Commonwealth Government)

The Environmental Protection and Biodiversity Conservation Act 1999 (EPBC Act) and WA Environmental Protection Act 1986 (EP Act): Under the EPBC Act and the EP Act, all Gorgon BWI gas plant activities (including vessels) must be managed in order to prevent the introduction of non-indigenous species (NIS) and Marine Pests to or within BWI or the waters surrounding BWI. In accordance with Ministerial Statement 800/769 and EPBC 2008/4178 & 2003/1294, the Chevron QMS has been developed to satisfy this requirement and is approved by both Commonwealth and State governments, which makes the QMS legally binding. Contractors must adhere to the requirements of the QMS (which includes this document) and must manage all Trading Vessels such that no NIS or marine pests are introduced or spread to BWI or BWI waters.

All international vessels seeking Australian biosecurity clearance must retain evidence of submitted pre-arrival documents including, but not limited to:

- DAFF Pre-Arrival Report
- DAFF Biosecurity Status Document

Any changes to the legislation listed above, or any other applicable legislation, must be complied with by any Trading Vessels accessing BWI.

2.1 Ballast Water Management Options

Australia has phased out ballast water exchange in line with the agreed schedule set out under the International Maritime Organisation (IMO) Convention for the Control and Management of Ships' Ballast Water and Sediments.

From 8 September 2024, a method that is compliant with the IMO Convention D-2 discharge standard is required by DAFF. To achieve this, vessels will be required to operate an IMO approved Ballast Water Management System (BWMS).

Compliance with the IMO D-2 standard is confirmed in the vessel's Ballast Water Management Certificate.

Vessels may apply for an exemption from certification requirements where equivalent measures for biosecurity and safety can be demonstrated to DAFF.

Exemptions from the requirement to have an operational IMO approved D-2 treatment system must be approved by DAFF prior to entry into Australian territorial waters.

Vessel ballast water details must be reported as part of the pre-arrival process through the DAFF Maritime and Aviation Reporting System (MARS).

Additional information regarding ballast water management can be found at:

www.agriculture.gov.au/biosecurity

2.1.1 Biofouling Requirements

All Trading Vessels entering Australian waters must meet DAFF requirements for managing biofouling and Marine Pests.

Vessel biofouling details must be reported as part of the pre-arrival process through the DAFF MARS portal.

Trading Vessels must comply with one of the following DAFF biofouling requirements.

1. Implement an effective vessel biofouling management plan and record book;
2. Clean all vessel biofouling within 30 days prior to arrival in Australian territory;
3. Implement an alternative vessel biofouling management method pre-approved by the department.

Additional information regarding DAFF biofouling management can be found at:

www.agriculture.gov.au/biosecurity

3 Company Trading Vessel Quarantine Clearance Process

3.1 Company Quarantine Questionnaire – Trading Vessels

Transporter must complete the *OE-07.08.3005 Quarantine Questionnaire – Trading Vessels* (Ref.4) and submit the questionnaire and supporting documentation to Barrow Gas Plant Agreement (BGPA) Operator via the Lifting Coordinator during the vessel clearance process.

This is normally submitted to Company at least 25 days prior to the “Required at Terminal” (RAT) date to enable initial screening.

Quarantine assessment will follow receipt of the completed *Questionnaire*. Authorisation to access BWI Gorgon Marine Terminal will be dependent on responses in the *Questionnaire*. More information may be requested where determined by Company.

Transporters that have not submitted a *OE-07.08.3005 Quarantine Questionnaire – Trading Vessels* (Ref.4) will not be granted authorisation to access BWI Gorgon Marine Terminal.

Where access to BWI Gorgon Marine Terminal is denied, Lifters or Transporters may request BGPA Operator to review the circumstances leading to the denial of access.

- 3.2 Company Quarantine Authorisation to Access BWI Gorgon Marine Terminal**
Once the vessel is deemed compliant, BGPA Operator will issue a *Port of Barrow Island – Gorgon Marine Terminal Clearance Certificate* (Ref.5) to the Lifter as part of the ‘Clearance Process’ via the Lifting Coordinator. The authorisation from the BGPA Operator provides formal quarantine approval for the vessel to access BWI Gorgon Marine Terminal. The authorisation is valid for the scheduled lifting only.

4 Topside Quarantine Requirements

All Trading Vessels must maintain good quarantine housekeeping of the vessel topsides. All outside areas (e.g., decks) must be kept clean and free of discernible evidence of soil, plants, plant material, seeds, propagules, invertebrates and vertebrates.



NOTE:

In the situation whereby, vessels are at safe anchorage or extended layup periods awaiting berth availability, it is recommended that prior to entering the BWI Port, vessel topsides are washed down to remove live and dead invertebrates which have been attracted to vessel lighting.

- 4.1 Rodent Guards**
Whilst at BWI, effective rodent guards must be used as a barrier to protect mooring lines on vessels. They must be installed and orientated correctly to remain effective, which means with the concave facing the vessel.

Rodent guards must be monitored regularly as part of the normal checks on mooring lines and replaced if they are not providing an effective barrier.

- 4.2 Waste Management**
All waste is to be double bagged and appropriately contained in lidded bins or waste room that is inaccessible to invertebrates and vertebrates.

- 4.3 Pooled Water on Decks**
Transporter and crew must monitor for any freshwater accumulation in either vessel structures, bunded areas or other receptacles which could harbour NIS adult mosquitoes and larvae. Whenever observed, drain pooled water where practicable, or either chlorinate water body or apply NOMOZ® pellets to standing water.

4.4 Suspect NIS Birds

If the vessel master communicates that there is a suspect live non-indigenous bird on board and/or a live non-indigenous bird is sighted during the quarantine clearance of the vessel, the vessel should continue to report and monitor as per the requirements outlined in the Company *Gorgon Marine Terminal – 5-Day Pre-arrival Message – LNG Vessels* (Ref.6) email notification from the BWI Port.

5 Crew Changes

Trading Vessel crew/personnel are not authorised ashore at BWI, unless approved by Company.

6 Quarantine Event Reporting

Transporter and crew must monitor the Trading Vessels for Quarantine Risk Material (QRM) or suspected quarantine events throughout the duration of the voyage to BWI or the time within the port limits.

Transporter must report all QRM, Quarantine events or suspected quarantine events in accordance with *GOR-COP-0176 Barrow Island Port Information Manual* (Ref.2).

7 Inspections and Auditing

Company may undertake inspections or auditing of Trading Vessel quarantine compliance in line with this document to verify implementation. This may include review of documents provided to government agencies in lieu of a physical inspection.

Independently of Company, and at their discretion, government agencies such as DAFF, may elect to perform inspections of Trading Vessels to verify compliance with the legislative requirements described in Section 2.

8 Terminology, Definitions and Abbreviations

Definitions of quarantine terminology and acronyms are listed in Appendix 1: of *OE-07.08.0001 Gorgon Gas Development and Jansz Feed Gas Pipeline: Terrestrial and Marine Quarantine Management System (Ref.1)*. The following terms, definitions and abbreviations pertain to this Procedure.

Table 8-1: Acronyms and Abbreviations

| Acronym / Abbreviation | Definition |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Authorisation to Mobilise | The LNG and Offtake Trading Vessels quarantine approval certificate has been issued and Contractor has permission to sail to BWI |
| Ballast water | Water taken up or released by a vessel to stabilise it, or raise/lower it in the water column |
| BGPA Operator | Barrow Gas Plant Agreement Operator as stipulated in the LNG and Condensate Lifting Agreements |
| BWMS | Ballast Water Management System |
| BWI | Port of Barrow Island |
| BWI Waters | The waters surrounding the BWI Marine Infrastructure |
| Company | Chevron Australia Pty Ltd or those acting on their behalf, including the Gorgon LNG Lifting Agreement Lifter and the Gorgon Condensate Lifting Agreement Lifter |
| Compliant | Trading Vessels having been granted access to berth at the BWI Marine Infrastructure in line with the requirements of this procedure |
| D-2 Standard | IMO standard specifying the maximum amount of viable organisms allowed to be discharged, including specified indicator microbes harmful to human health. Usually involves installing a ballast water management system. |
| DAFF | Commonwealth Department of Agriculture, Fisheries and Forestry |
| DBCA | Western Australian Department of Biodiversity, Conservation and Attractions |
| DPIRD | Western Australian Department of Primary Industries and Regional Development |
| EP Act | Western Australian <i>Environmental Protection Act 1986</i> |
| EPBC Act | Commonwealth <i>Environment Protection and Biodiversity Conservation Act 1999</i> |
| GGOA | Greater Gorgon Operating Agreement |
| GGOA Participant | The entities which, from time to time hold a participating interest under the GGOA |
| High Risk Ballast Water | Water that has that does not meet the IMO convention D-2 standard or an equivalent DAFF approved system |
| High Risk Waters | High-risk waters are all ports and coastal waters in which Marine Pests that can establish in BWI waters are known to occur |
| IMO | International Maritime Organization |
| International Vessels | Vessels entering Australian waters <i>en route</i> to Barrow Island from overseas voyages, and/or vessels that have operated in Australian waters for less than 12 consecutive months |
| Lifter | Each party who is a GGOA participant |
| LNG | Liquefied Natural Gas |

| Acronym / Abbreviation | Definition |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Low Risk Ballast Water | Water that has been managed using one of the approved methods or an approved low risk exemption |
| MARS | DAFF Maritime and Aircraft Reporting System |
| Marine Pests | Species other than the native species known or those likely to occur in the waters of the Pilbara Offshore (PIO) [or adjacent] meso-scale bioregion[s] in A Guide to the Integrated Marine and Coastal Regionalisation of Australia (IMCRA Version 4.0, 2006), of which Barrow Island is a part, that do or may threaten biodiversity in the Pilbara Offshore (PIO) marine bioregion. As a minimum, the National Introduced Pest Information System Database (NIMPIS, Dept. Agriculture, Fisheries and Forestry, Commonwealth Government), National Priority Pests listed in the document National Priority Pests, Part II, Ranking of Australian Marine Pests (Hayes <i>et al.</i> 2005) will guide the interpretation of this definition. Additional species may be added on the advice of experts from the WA Department of Fisheries and the Quarantine Expert Panel |
| NIS | Non-indigenous Terrestrial Species |
| Non-indigenous Terrestrial Species | Any species of plant, animal, or microorganism not native to Barrow Island. Native: Species that are native to (naturally occurring in) a region. |
| Prevention List for Introduced Marine Pests | The Western Australian Prevention List for Introduced Marine Pests issued by DPIRD. |
| QMS | Quarantine Management System |
| Quarantine Event | Any case where a suspected NIS or Marine Pest, or quarantine procedural deviation, is observed and reported |
| QRM | Quarantine Risk Material |
| Quarantine Risk Material | All contaminants including, but not limited to, soil, plants, plant material, seeds, propagules, invertebrates, vertebrates and marine pests. Other examples include: Dirt (not dust) Webs, eggs or nests of any kind Bark or any other wood or timber product not otherwise approved Plants: live or dead including cuttings, leaves, twigs, grass, fruit, vegetables, nuts (raw), flowers (fresh and dried), moss, fungus and spores Vertebrates: mammals, amphibians, fish, birds, reptiles Invertebrates, such as worms, spiders (including ticks and mites), snails and insects (including flies, mosquitoes cicadas, moths, earwigs, fleas, bugs, cockroaches, bees, dragonflies, termites, ants, wood borers, and wasps) Marine pests including those listed on the Western Australian Prevention List for Introduced Marine Pests (DPIRD) that can survive in BWI waters |
| RAT | Required at Terminal |
| Topsides | All parts of a vessel that are not regularly immersed or wetted with sea water during normal operation |
| Transporter | The owner or operator of an LNG ship or condensate vessel, including any person contracted by a lifter or its LNG or condensate buyer to provide or operate an LNG or condensate vessel |
| Wetsides | All parts of a vessel that are regularly immersed or wetted with sea water during normal operation |

9 References

The following documentation is either directly referenced in this document or is a recommended source of background information.

Table 9-1: References

| Ref No | Description | Document ID |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 1. | Gorgon Gas Development and Jansz Feed Gas Pipeline: Terrestrial and Marine Quarantine Management System. Rev. 1.0. Available from: https://australia.chevron.com/-/media/australia/our-businesses/documents/terrestrial-and-marine-quarantine-management-system.pdf | OE-07.08.0001 |
| 2. | Barrow Island Port Information Manual | GOR-COP-0176 |
| 3. | Department of Primary Industries and Regional Development, Western Australian Prevention List for Introduced Marine Pests (2016) | External |
| 4. | Quarantine Questionnaire - Trading Vessel | OE-07.08.3005 |
| 5. | Port of Barrow Island – Gorgon Marine Terminal Clearance Certificate | GOR-COP-01790 |
| 6. | Gorgon Marine Terminal – 5-Day Pre-arrival Message – LNG Vessels | N/A |
| 7. | Department of Agriculture, Fisheries and Forestry, Australian Biofouling management requirements, Version 2 (<i>for info</i>) | External |
| 8. | Department of Agriculture, Fisheries and Forestry Australian Ballast Water Management Requirements (<i>for info</i>) | External |