

Rio Tinto Iron Ore

Cape Lambert Port B Development 2013 Compliance Assessment EPBC 2008/4032

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Definitions

Term	Meaning
2013 Reporting Period	1 January 2013 to 31 December 2013
CLB	Cape Lambert Port B
CMP	Cetacean Management Plan
Compliance Assessment	A systematic assessment undertaken by a qualified person(s) to determine the compliance of a company in relation to a particular audit protocol.
Compliant	The Proponent has adhered to the requirements of the particular condition issued in EPBC 2008/4032
DSDMP	Dredging and Spoil and Disposal Management Plan
DSEWPaC	Department of Sustainability, Environment, Water, Population and Communities
MTMP	Marine Turtle Management Plan
PER	Public Environmental Review and draft Public Environment Report
Not applicable	At the time of the compliance assessment a condition issued in EPBC 2008/4032 was not yet applicable or had not yet been triggered.
Non-compliant	The Proponent considers during its audit process that it has not met an applicable condition and/or has received clarification from the regulators that a potential non-compliance has not met a particular condition issued in EPBC 2008/4032
OEPA	Office of the Environmental Protection Authority, Western Australia
In Process	The Proponent has partially met the requirements of a condition; however there are ongoing requirements that are still pending approval or clarification.
Potentially Non-compliant	The Proponent is potentially non-compliant, however further clarification needs to be sought before the level of compliance is definitively determined.

1 Project Overview

1.1 Background

Pilbara Iron Pty Limited (Pilbara Iron), a member of the Rio Tinto Pty Ltd (Rio Tinto) group of companies, is constructing a second port facility (Port B) at Cape Lambert, located approximately 5 km west of Point Samson on the Pilbara coast, Western Australia. The Cape Lambert Port B (CLB) development broadly includes the construction of a rail track network, ore stockyards, ore delivery systems, an access jetty and wharf fitted with two ship loaders and various associated ancillaries. Dredging of benthic sediment around the CLB wharf is also required to establish a departure channel, turning basins and berth pockets to facilitate access for bulk ore carriers. The purpose of the CLB development is to provide the necessary infrastructure and ancillaries to process and export up to 130 million tonnes of iron ore per annum.

The CLB development was referred to the Federal government in accordance with the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) on February 12th, 2008. On March 25th, 2008, the Federal government determined that the proposal was a 'controlled action' based on potential impacts to matters of National Environmental Significance (NES) protected by the EPBC Act, including:

- listed threatened species and communities (Section 18);
- listed migratory species (Section 20, 20A and 18A); and
- Commonwealth marine areas (Section 23 and 24A).

The CLB development was assessed by the Federal government as a Public Environmental Review and draft Public Environment Report (PER) in March 2009 and was subsequently approved by the Minister for Sustainability, Environment, Water, Population and Communities (SEWPaC, now Department of the Environment, or DoE) on 26 October 2010 pursuant to EPBC 2008/4032.

In accordance with the requirements of Section 19 of the *Environment Protection (Sea Dumping) Act 1981*, an application for a Sea Dumping Permit was lodged with the Minister on 19 March 2008. This application was approved on 26 October 2010 (SD2008/822).

1.2 2013 Project Status

The CLB development is being constructed and commissioned in two phases, namely, A and B, as detailed within Table 1 below.

Table 1 CLB Key Infrastructure Summary

Description	Phase A	Phase B
Car Dumpers (2 car)	Car Dumper 5	Car Dumpers 6 and 7
Stockyard	12 stockpiles	12 stockpiles
Stackers	Stacker 11 and 12	Stacker 13 and 14
Reclaimers	Reclaimer 11 and 12	Reclaimer 13
Screen Houses / Surge Bins	Screenhouse 5	Screenhouse 6
Ship Loaders	Shiploader 11	Shiploader 12

Construction of Phase A was completed in July 2013. Key Phase A ancillary works, such as the dredging and pile driving scopes, were completed in September 2012 and June 2013 respectively. The Phase B scope is expected to be complete by mid-2015.

2 Purpose of this Document

Condition 18 of EPBC 2008/4032 requires Rio Tinto to provide compliance assessments to the DoE on an annual basis. Condition 18 specifically states:

18. *Each year the person taking the action must provide a report to the Minister addressing compliance with each of the conditions of this approval. The date of the first compliance report must be within twelve months from the date of this approval with each subsequent report 12 months from the date of the previous report. The Compliance report must:*
- a) *Be endorsed by Pilbara Iron Pty Ltd or a person approved in writing by the Department, who is delegated to sign on behalf of Pilbara Iron Pty Ltd;*
 - b) *Include a statement as to whether the person taking the action has complied with the conditions;*
 - c) *Identify any non-compliances and describe corrective and preventative actions taken; and*
 - d) *Make the compliance report publicly available on the Internet within 30 days of it being submitted to the Minister.*

This document assesses compliance against all conditions of EPBC 2008/4032 for the period 1 January 2013 to 31 December 2013 (referred to as the '2013 reporting period' herein).

3 Compliance Assessment Results

The compliance assessments for the Dredging and Spoil Disposal Management Plan and SD2008/822 were primarily limited to post-dredging and record keeping obligations during this reporting period, as dredging works were completed in September 2012. All other approval requirements and management plans were generally assessed in-full.

There were four minor non-compliances during the 2013 reporting period, as detailed within Table 2 below. All non-compliances were administrative in nature and did not result in any environmental harm. The DoE have been previously advised of these non-compliances (RTIO-HSE-0230985), and the proposed corrective actions will be implemented in due course in consultation with the DoE.

Table 2 2013 Non-compliances and Corrective Actions

Criteria	Compliance Finding	Corrective Action
EPBC2008/4032 Condition 21	The ERMP was not made publically available on the Rio Tinto Website within 30 days of the Minister's approval, as required by the condition.	Rio Tinto has placed the ERMP on to http://www.riotinto.com , as required.
EPBC2008/4032 Condition 22(a)	The ERMP, whilst approved by the Minister, does not contain a description of the EPBC Act listed species or habitats, as required by the condition.	Rio Tinto will revise the ERMP to include a description of the EPBC Act listed species.
EPBC2008/4032 Condition 22(b)	The ERMP, whilst approved by the Minister, does not contain an assessment of the risk to the values, species or habitats as relevant to the EPBC Act, as required by the condition.	Rio Tinto will revise the ERMP to include an assessment of the risk to the values, species or habitats as relevant to the EPBC Act.
SD2008/822 Condition 2	All activities are not undertaken in accordance with the conditions of the EPBC Act approval (EPBC2008/4032), as detailed above	As per above.

All other requirements were met and confirm that the CLB development is being constructed in accordance with the various environmental management requirements stipulated within its Federal Government approvals and associated management plans, and that implementation of the works have not resulted in any measurable impacts to matters of NES.

All supporting documentation has been lodged in Rio Tinto Iron Ore's Document Management System and is available upon request.

4 Public Availability of Compliance Assessment

This compliance assessment will be made publicly available on the Rio Tinto Iron Ore website (<http://www.riotinto.com>), in accordance with Condition 18 (d) of EPCB 2008/4032.

5 Future Compliance Assessments

Future compliance assessments will be submitted on an annual basis and will report on the previous calendar year. The next compliance assessment will assess the period 1 January 2014 to 31 December 2014 and will be submitted prior to 26 October 2014.

Tables

Table 3 EPBC 2008/4032 2013 Compliance Assessment

Audit Code	Action	How	Evidence	Satisfy	Phase	When	Status
Sea Dumping Permit							
2008/4032: M1	The person taking the action must comply with the requirements of any permit obtained under the Commonwealth <i>Environmental Protection (Sea Dumping) Act 1981</i> , including any conditions attached	Obtain Sea Dumping Permit for CLB dredging activities and comply with all the conditions within	A Sea Dumping Permit (SD2008/822) has been obtained for the works, as required Refer to the 2013 compliance assessment for SD2008/822 in Table 5 below	Minister for DoE	Pre-construction, Construction	Prior to the commencement of, and during, dredging activities	Compliant
Dredging and Spoil Disposal Management Plan							
2008/4032:M2	<p>To mitigate the impacts from the dredging activities on EPBC Act listed threatened and migratory species and the Commonwealth marine area, the person taking the action must prepare and submit to the Minister for approval a Dredging and Spoil Disposal Management Plan (DSDMP). The plan must include the following:</p> <p>a) Measures (for example mitigation measures, performance indicators/trigger levels and corrective actions/management actions) that will ensure there are no unacceptable impacts on EPBC Act listed threatened species, migratory species and/or the Commonwealth marine area. These must include:</p> <ul style="list-style-type: none"> Operating procedures to minimise injury to, or mortality of, EPBC Act listed threatened or migratory species from dredging activities; Reporting mechanisms that ensure reporting to the Minister within one business day of injury to, or mortality of, and EPBC Act listed threatened or migratory species caused by dredging activities; Management triggers and contingency 	Prepare and submit DSDMP to the Minister for approval	Refer to the Cape Lambert Port B Development Dredging and Spoil Disposal Management Plan (RTIO-HSE-0102815)	Minister for DoE	Pre-construction	Prior to the commencement of dredging activities	Compliant

Audit Code	Action	How	Evidence	Satisfy	Phase	When	Status
	<p>measures when dredging must be varied or suspended, including requirements to report to the Minister;</p> <ul style="list-style-type: none"> Measures that minimise the risk of introduced marine pest species, including ballast-water management and vessel inspections for any non-domestic vessels; Measures to prevent and respond to accidental fuel, oil or chemical spills; Measures that ensure dredging activities do not impact corals during coral spawning periods, including suspension of dredging activities; Measures to monitor water quality, turbidity plume and coral health, including dredging exclusion periods and management triggers; Responsive actions that must be undertaken in the event contingency measures are employed, including requirement to report to the Minister; and Reactive and post dredge monitoring, including reporting timeframes. <p>b) Details of responsible parties for each activity described in the DSDMP, noting that the person to whom this approval is granted is responsible for the proposed action; and</p> <p>c) Measures that ensure periodic reviews of the DSDMP and that ensure continual improvement measures are applied accordingly. This condition does not remove the requirement under Condition 20.</p>						
2008/4032:M3.1	Dredging activities must not commence until the DSDMP has been approved by the Minister in writing	Prepare and submit DSDMP to the Minister for approval	Refer to the Minister's approval letter for the DSDMP (RTIO-HSE-0103134)	Minister for DoE	Pre-construction	Prior to the commencement of dredging activities	Compliant
2008/4032:M3.2	The approved DSDMP must be implemented	Implement the approved DSDMP	Refer to the 2013 compliance assessment for the Cape Lambert Port B Dredging and Spoil Disposal Management Plan Table 4 below	Minister for DoE	Construction	During dredging activities	Compliant
Cetacean Management Plan							

Audit Code	Action	How	Evidence	Satisfy	Phase	When	Status
2008/4032:M4	<p>To mitigate the impacts on cetaceans from the dredging activities, construction activities and the ongoing operation of the Cape Lambert Port, the person taking the action must prepare and submit to the Minister for approval a Cetacean Management Plan (CMP). The Plan must include the following:</p> <ul style="list-style-type: none"> a) measures to prevent vessel strike during dredging activities, construction activities and ongoing operation of the Cape Lambert Port; b) measures to prevent any potential impact from underwater noise during construction; c) monitoring and exclusion zones during dredging and noise emitting construction activities, including pile driving; d) details of the responsible parties for each activity described in the CMP, noting that the person to whom this approval is granted is responsible for the proposed action and the reporting requirements of the responsible parties; and e) measures that ensure periodic reviews of the CMP and that ensure continual improvement measures applied accordingly. This condition does not remove the requirement under Condition 20. 	Prepare and submit CMP to the Minister for approval	Refer to the Cape Lambert Port B Development Cetacean Management Plan (RTIO-HSE-0102816)	Minister for DoE	Pre-construction	Prior to the commencement of marine construction activities	Compliant
2008/4032:M5.1	Dredging activities must not commence until the CMP has been approved by the Minister in writing	Prepare and submit CMP to the Minister for approval	Refer to the Minister's approval of the Cetacean Management Plan (RTIO-HSE-0103134)	Minister for DoE	Pre-construction	Prior to the commencement of dredging activities	Compliant
2008/4032:M5.2	The approved CMP must be implemented	Implement the approved CMP	Refer to the 2013 compliance assessment for the Cape Lambert Port B Cetacean Management Plan within Table 4 below	Minister for DoE	Construction	During marine construction activities	Compliant
Marine Turtle Management Plan							
2008/4032:M6	To mitigate the impacts from dredging activities on marine turtles, during construction and ongoing operation of the Cape Lambert Port facilities, the person taking the action must prepare and submit to the minister for approval a Marine Turtle Management Plan (MTMP). The plan must include the following:	Prepare and submit MTMP to the Minister for approval	Refer to the Cape Lambert Port B Development Marine Turtle Management Plan (RTIO-HSE-0193896)	Minister for DoE	Pre-construction	Prior to the commencement of marine construction activities	Compliant

Audit Code	Action	How	Evidence	Satisfy	Phase	When	Status
	<ul style="list-style-type: none"> a) measures for the protection of marine turtles during pile driving activities, including soft start up procedures, monitoring for the presence of marine turtles and exclusion zones; b) mitigation measures for light spill management and reduction, including, but not limited to, the lighting sources, lighting intensity, directionality and shrouding; c) turtle behaviour monitoring programs including adult nesting activity at Bells Beach and Cooling Water Beach, relative to other sites in the region, including hatchling dispersal (onshore and offshore); d) long term population monitoring programs at Bells Beach and Cooling Water Beach; e) a monitoring program to measure the magnitude of pile driving impacts effects on nest sites at Cooling Water Beach; f) a nest relocation programme for Cooling Water Beach in the event that monitoring indicates a significant decline in nest success relative to other beaches; g) monitoring programs for the stability and vegetation cover of the Bells Beach primary dune, including responsive actions in the event that monitoring data indicates that landform stability is being reduced as a result of erosion, vegetation cover reduction or other processes; h) measures for reporting incidents involving marine turtles to the Department throughout the life of port operations; i) details of responsible parties for each activity described in the MTMP, noting that the person whom this approval is granted is responsible for the proposed action, and the reporting requirements of the responsible parties; and j) measures that ensure periodic review of the MTMP and that ensure continual improvement measures applied accordingly. This condition does not remove the requirement under Condition 20. 						
2008/4032:M7.1	Dredging activities must not commence until the MTMP has been approved by the Minister in writing.	Prepare and submit MTMP to the Minister for approval	Refer to the Minister's approval letter dated 30/11/2010 for the Marine Turtle Management Plan	Minister for DoE	Pre-construction	Prior to the commencement of dredging	Compliant

Audit Code	Action	How	Evidence	Satisfy	Phase	When	Status
			(RTIO-HSE-0103134) Refer to the CLB daily dredge reports (RTIO-HSE-0159562), which confirm that dredging activities commenced 22/12/2010			activities	
2008/4032:M7.2	The approved MTMP must be implemented	Implement the approved MTMP	Refer to the compliance assessment for the Cape Lambert Port B Marine Turtle Management Plan within Table 6 below	Minister for DoE	Construction	During marine construction activities	Compliant
Blasting Management Plan							
No marine drilling or blasting occurred during this reporting period and consequently, conditions 8 and 9 of EPBC2008/4032 are not applicable.							
Ecosystem Research and Monitoring Program							
2008/4032:M10	The person taking the action must develop and implement an Ecosystem Research and Monitoring Program (ERMP) to acquire a detailed ecological understanding of the marine environment of the Cape Lambert region, that can be used to monitor, manage and/or improve the regional marine environment. The Plan must include monitoring programs for the following: a) Coastal processes including beach degradation; b) Condition of listed and threatened migratory species populations, associated habitat and the Commonwealth marine areas; c) Behaviour of listed threatened and migratory species, including but not limited to, cetaceans and marine turtles. This should include monitoring of potential important habitats, including resting areas; d) Water quality; e) Benthic habitat, including but not limited to, coral, seagrass, mangrove; and f) Implementation and reporting timeframes for each of the actions described above.	Prepare and implement ERMP in accordance with M10	Refer to the Cape Lambert Port B Development Ecosystem Research and Monitoring Program (RTIO-HSE-0111471)	Minister for DoE	Overall	26 April 2011	Compliant
2008/4032:M11	The ERMP must be submitted to the Minister for approval	Submit ERMP to the	Refer to the Ecological	Minister for DoE	Construction	26 April 2011	Compliant

Audit Code	Action	How	Evidence	Satisfy	Phase	When	Status
	no later than six months from the date of this approval	Minister for approval	Research and Monitoring Program submission dated April 15, 2011 (RTIO-HSE-0111471)				
2008/4032:M12	After 12 months from the date of this approval, dredging activities must not thereafter be undertaken unless the Minister has approved the ERMP in writing. The approved ERMP must be implemented	Submit ERMP to Minister for approval	Refer to the Minister's approval letter for the Ecosystem Research and Monitoring Program (RTIO-HSE-0126879)	Minister for DoE	Construction	26 October 2011	Compliant
2008/4032:M13	The results of the ERMP must be used to inform an adaptive management response to observed impacts and/or any potential impacts identified, and to inform the continuous improvement of the management measures within the MTMP, CMP and BMP (if required)	Create adaptive management response informed by ERMP results, if required	ERMP programs were still in-process or awaiting DoE approval during this reporting period and consequently, no adaptive management responses were developed	Minister for DoE	Construction	As required	Not applicable
Conditions – Other							
2008/4032:M14	The person taking the action must ensure that all relevant staff and contractors and any other persons working on the action receive comprehensive training in relation to the requirements of this decision and comply with all requirements of this decision relevant to their duties prior to commencing action on the project	Provide comprehensive training/inductions as per M14	Refer to the CLB EMP Training presentations (RTIO-HSE-0159769), CLB Specialised Environmental Training Presentations (RTIO-HSE-0159770), CLB Environmental Training Records (RTIO-HSE-0159772) and the CLB Environmental Induction (RTIO-HSE-0159773) Refer to the Cape Lambert Port B Environmental Induction Dredging and Spoil Disposal Management (RTIO-HSE-0098862) Refer to the Marine Mammal Observer Training Presentation (RTIO-HSE-0107426)	Minister for DoE	Overall		Compliant
2008/4032:M15	Upon the direction of the Department, the person taking the action must ensure that an independent audit of compliance with the conditions of approval is conducted and a report submitted to the Department. The	Undertake an independent compliance audit in accordance M15	On 20 September 2013 the DoE requested an independent audit of EPBC2008/4032 (RTIO-	Minister for DoE	Overall	Upon direction of the Department	Compliant

Audit Code	Action	How	Evidence	Satisfy	Phase	When	Status
	independent auditor must be approved by the Department prior to the commencement of the audit. Audit criteria must be agreed by the Department and the audit report must address the criteria to the satisfaction of the Department.		HSE-0198484) BMT Oceanica were approved by the DoE as the independent auditor on 25 November 2013 (RTIO-HSE-0204637) and their audit criteria were subsequently approved on 13 January 2014 (RTIO-HSE-0207911) All audit findings were developed during 2014 and consequently, will be assessed within the 2014 EPBC2008/4032 Compliance Report				
2008/4032:M16	If, at any time after two years from the date of this approval, the Minister notifies the person taking the action that the Minister is not satisfied that there has been substantial commencement of the action, the action must not thereafter be commenced without written agreement of the Minister	Minister notifies Rio Tinto	The DoE have been notified in writing that the project has substantially commenced (RTIO-HSE-0104803) No notification was received from the Minister during this reporting period	Minister for DoE	At any time after two years from the approval date of EPBC 2008/4032	If the Minister is not satisfied	Compliant
2008/4032:M17	Within 10 days of commencement of the actions, the person taking the action must advise the Minister in writing of the actual date of commencement	Provide, in writing, the commencement date to the Minister	Refer to the written notification (RTIO-HSE-0104803)	Minister for DoE	Construction	Within 10 days of the commencement of construction	Compliant
2008/4032:M18	Each year the person taking the action must provide a report to the Minister addressing compliance with each of the conditions of this approval. The date of the first compliance report must be within twelve months from the date of the previous report. The Compliance report must: a) be endorsed by Pilbara Iron Pty Ltd or a person approved in writing by the Department, who is delegated to sign on behalf of Pilbara Iron Pty Ltd; b) include a statement as to whether the person taking the action has complied with the conditions; c) identify any non-compliances and describe	Submission of a compliance assessment report in accordance with the requirements of M18	Refer to the 2010 (RTIO-HSE-0125435), 2011 (RTIO-HSE-0160590) and 2012 (RTIO-HSE-0200765) and 2013 (this document) compliance assessments	Minister for DoE	Overall	Annually	Compliant

Audit Code	Action	How	Evidence	Satisfy	Phase	When	Status
	corrective and preventative actions taken; and d) make the compliance report publically available on the Internet within 30 days of it being submitted to the Minister.						
2008/4032:M19	The Reports described at Condition 18 must be provided until the expiry of this approval	Submission of a compliance assessment report in accordance with the requirements of M18	Refer to the 2010 (RTIO-HSE-0125435), 2011 (RTIO-HSE-0160590) and 2012 (RTIO-HSE-0200765) and 2013 (this document) compliance assessments	Minister for DoE	Overall	Annually	Compliant
2008/4032:M20	If the person taking the action wishes to carry out any activity otherwise than in accordance with the DSDMP, CMP, MTMP, BMP and ERMP, referred to in conditions 2, 4, 6, 8, and 10, respectively, the person taking the action must submit for the Minister's approval a revised version of the relevant plan or program (however described). The varied activity shall not commence until the Minister has approved the varied plan or program in writing. If the Minister approves such a revised plan or program, the plan or program must be implemented in a place of the plan or program originally approved.	Submission of a revised version of the relevant plan or program	A revised MTMP (RTIO-HSE-0193896) was submitted and subsequently approved by the DoE during this reporting period	Minister for DoE	Overall	When required	Compliant
2008/4032:M21	Management plans, reports, systems and programs (however described) referred to in these conditions of approval must be made publicly available within 30 days of approval by the Minister	Upload approved management plans onto Rio Tinto website	<p>All management plans are currently available on http://www.riotinto.com/ironore/documents-9622.aspx</p> <p>The MTMP, which was amended during this reporting period, was made available on the above website on 7 August 2013 following approval by the DoE on 4 August 2013</p> <p>The ERMP was approved by the Minister's delegate on 25 October 2011 however it was only uploaded onto the internet on 12 February 2014. This constitutes an</p>	DoE	Overall	Within 30 days of approval by Minister	Non-compliant

Audit Code	Action	How	Evidence	Satisfy	Phase	When	Status
			administrative non-compliance with the 30 day stipulation within the condition				
2008/4032:M22	<p>All plans, reports or programs (however described) required under this approval must include the following elements:</p> <ul style="list-style-type: none"> a) a description of the EPBC Act listed species and habitat likely to be impacted by the components of the action which are the subject of that plan, report or program (however described); b) an assessment of the risk to these values, species or habitats, from the components of the action that are the subject of or relevant to that plan, report or program (however described); c) details of the management measures proposed in relation to these values, species or habitats, if it is a requirement of the condition requiring that plan, report or program (however described); d) details of monitoring proposed for that species if it is a requirement of the condition requiring that plan, report or program (however described); e) performance standards in relation to that species if it is a requirement of the condition requiring that plan, report or program (however described); f) management triggers in relation to that species if it is a requirement of the condition requiring that plan, report or program (however described). 	Include the requirements of M22 in all relevant plans, reports or programs	<p>Refer to the Cape Lambert Port B Development Ecosystem Research and Monitoring Program (RTIO-HSE-0111471), Dredging and Spoil Disposal Management Plan (RTIO-HSE-0102815), Cetacean Management Plan (RTIO-HSE-0102816) and the Marine Turtle Management Plan (RTIO-HSE-0193896)</p> <p>All plans have been approved by the Minister. Despite this approval, the ERMP does not contain a description of the EPBC Act listed species or habitats or a risk assessment and consequently, does not meet the requirements of sections (a) and (b) of Condition 22</p>	Minister for DoE	Overall		Non-compliant
2008/4032:M23	The person taking the action must maintain accurate records of activities associated with or relevant to the above conditions of approval, and make them available on request by the Department. Such documents may be subject to audit by the Department and used to verify compliance with the conditions of approval.	Maintain accurate records of activities	<p>All records are maintained on the Rio Tinto Iron Ore Document Management System, as required</p> <p>No requests for documents were made by the Department during this reporting period</p>	DoE	Overall	Upon request from the DSEWPaC	Compliant
2008/4032:M24	If the Minister believes that it is necessary or desirable for	Make specified revisions	No revisions to plans,	Minister for DoE	Overall	Upon request	Not

Audit Code	Action	How	Evidence	Satisfy	Phase	When	Status
	the better protection of any relevant control provision to do so, the Minister may request that the person taking the action make specified revisions to any plans, reports or programs (however described) approved pursuant to these conditions. The person taking the action must comply with any such request. The revised plans, reports or programs (however described) must be implemented.	to plans, reports or programs as requested	reports or programs were requested during this reporting period			from the DSEWPaC.	applicable

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Table 4 Dredging and Spoil Disposal Management Plan Compliance Assessment

Audit Code	Action	When	Evidence	Status
Management Strategy 1 – Water Quality, Sedimentation and Benthic Primary Producer Habitat				
All actions were required during dredging activities only and consequently, were not applicable during this reporting period				
Management Strategy 2 – Coral Spawning Management				
All actions were required during dredging activities only and consequently, were not applicable during this reporting period				
Management Strategy 3 – Marine Mammals and Turtles Management				
All actions were required during dredging activities only and consequently, were not applicable during this reporting period				
Management Strategy 4 – Invasive Marine Species Management				
1: DSDMP p69	<p>A Vessel Clearance Procedure (VCP) will be developed and submitted to DoF for approval (Figure 4-6).</p> <p>This procedure will detail the following requirements:</p> <ul style="list-style-type: none"> Compliance with Australian Quarantine Inspection Service (AQIS) mandatory ballast water requirements (Figure 4-7). All vessels will be inspected or undergo a vessel risk assessment prior to operations, unless excluded under Condition 9-1. Low risk vessel, as determined by the vessel risk assessment process may apply to DoF for an exemption. All high/uncertain risk vessels, as determined by the vessel risk assessment process will undergo a vessel inspection prior to operations either: <ul style="list-style-type: none"> a) Immediately (no more than 48 hours) prior to vessel or immersible equipment departure for Cape Lambert Port B: or b) within 48 hours following arrival of vessel within Port Walcott. Vessels that have spent more than seven days in coastal waters (less than 50 m depth) between inspection and their arrival at Port Walcott shall also be inspected during the sixth week after arrival at Port Walcott. Only vessels considered low risk (as a result of the risk assessment and/or completion of risk reduction measures - i.e. inspections/treatments) shall be allowed to begin operations. 	Prior to construction commencing	<p>Refer to the Cape Lambert Port B Development Vessel Clearance Procedure (RTIO-HSE-0100916)</p> <p>Refer to the Department of Fisheries Approval of the Vessel Clearance Inspection Procedure (RTIO-HSE-010266)</p>	Compliant
2: DSDMP p70	<p><u>Exclusions – Condition 9-1</u></p> <p>Tug vessels and other support vessels that move between the Proponents Dampier and Cape Lambert operations and between John's Creek Marina at Point Samson to these operations and remain in Western Australia's territorial waters are excluded from all requirements detailed in Condition 9-1 and 9-2.</p>	At all times	<p>Refer to the following OEPA approvals for marine vessels mobilised via risk assessment:</p> <ul style="list-style-type: none"> RTIO-HSE-0177820 - CLB OEPA approval for the mobilisation of MV ALS 96 RTIO-HSE-0178008 - CLB OEPA approval for the mobilisation of MV JoHoCo 	Compliant

Audit Code	Action	When	Evidence	Status
	<p><u>Exemption – Condition 9-2</u></p> <p>Specified vessels and immersible equipment and vessels used to undertake single or multiple bunkering or other routine operational activities at neighbouring ports (Dampier and Port Hedland), will be exempt from the IMS management and inspection requirements detailed within Condition 9-1. Issue of a written exemption by the CEO on advice from the Department of Fisheries will be based on the VCP, including a risk assessment supported by documentation, demonstrating biofouling management measures and a vessel activity profile since the most recent dry-dock cleaning.</p>		<ul style="list-style-type: none"> RTIO-HSE-0198826 - CLB OEPA approval for the mobilisation of MV Harrietta - 5 October 2013 RTIO-HSE-0199856 - CLB OEPA approval for the mobilisation of MV Harrietta - 15 October 2013 RTIO-HSE-0200206 - CLB OEPA approval for the mobilisation of MV Joan M - 10 October 2013 RTIO-HSE-0200525 - CLB OEPA approval for the mobilisation of MV Vantage - 15 October 2013 RTIO-HSE-0201485 - CLB OEPA approval for the mobilisation of MV Vantage - 28 October 2013 	
3: DSDMP p70	<p><u>Invasive Marine Species Responses</u></p> <p>In the event that IMS or significant amounts of sediment (as deemed by the inspector) are found on a vessel during the inspection the following measures will be taken:</p> <ul style="list-style-type: none"> The appropriate State, Commonwealth or Port regulatory agency will be informed and guidance sought as to the appropriate actions. This may include either vessel movement to a designated quarantine area (if in Australian waters) (i.e. water depth of at least 50 m and/or at least 12 nm offshore). The vessel will be required to undergo appropriate cleaning/treatment, re-inspection and subjected to assessment through the VCP. 	In the event that an IMS or significant sediments are found on a vessel	<p>Refer to the notification sent to the OEPA and Department of Fisheries regarding the detection of <i>Didemnum perlucidum</i> (RTIO-HSE-0170436)</p> <p>Refer to the <i>D. perlucidum</i> preliminary management strategy (RTIO-HSE-0187601), as approved by the DoF and OEPA</p>	Compliant
4: DSDMP p70	The monitoring program currently in place will be superseded, and a targeted IMS Monitoring program consistent with the design, implementation and reporting standards set out as part of the National Monitoring Network for the Prevention and Management of Marine Pest Incursions (National system) will be implemented to detect the establishment of any invasive marine species in the waters surrounding the development.	In the event that an IMS or significant sediments are found on a vessel	Refer to the 2013 IMS monitoring program methods (RTIO-HSE-0187595), DAFF/MDAP approval (RTIO-HSE-0187582) and results (RTIO-HSE-0217049)	Compliant
5: DSDMP p70	In the event that the monitoring program detects the presence of invasive marine species in the waters adjacent to the development, an invasive marine species strategy with the objective of controlling or eradicating the invasive marine species will be developed and implemented in consultation with DoF and DEC.	In the event that the monitoring program detects the presence of invasive marine species	<p>Refer to the <i>D. perlucidum</i> preliminary management strategy (RTIO-HSE-0187601), as approved by the DoF and OEPA</p> <p>Refer to the 2013 IMS monitoring program results and follow-up actions (RTIO-HSE-0217049)</p>	Compliant
6: DSDMP p70	<p><u>Vessel Departure Clearance</u></p> <p>Departure VRA will be undertaken to determine if an inspection is required. This process will take into account current monitoring outcomes, the bioregion of the proposed operational area and if applicable, the IMS commitments of the contracting party prior to the vessel's departure.</p>	Prior to vessel departures	<p>Refer to the following Department of Fisheries demobilisation approvals:</p> <ul style="list-style-type: none"> RTIO-HSE-0169848 CLB DoF Demobilisation Approval for MVs Brute Force and Westsea 7 	Compliant

Audit Code	Action	When	Evidence	Status
			<ul style="list-style-type: none"> RTIO-HSE-0169849: CLB DoF Demobilisation Approval for MV Phantom RTIO-HSE-0170694: CLB DoF Demobilisation Approval for MV Henderson January 2013 RTIO-HSE-0189196: CLB DoF Demobilisation Approval for MVs Aimee and Jack Up Barge 3 May 2013 RTIO-HSE-0189882: CLB DoF Demobilisation Approval for MVs Fitzroy Star and Jilly B 2 July 2013 RTIO-HSE-0190094: CLB Demobilisation Approval for MV Jilly B 3 July 2013 RTIO-HSE-0190095: CLB DoF Demobilisation Approval for MV Fitzroy Star 3 July 2013 	
7: DSDMP p71	Monitoring every three years will be undertaken in accordance with the National System.	3 years	Refer to the 2013 IMS monitoring program methods (RTIO-HSE-0187595), DAFF/MDAP approval (RTIO-HSE-0187582) and results (RTIO-HSE-0217049)	Compliant
8: DSDMP p71	In accordance with Condition 9-4 Ministerial Statement 840) and Condition 14 (SDP 2008/822), the Proponent shall, throughout the life of the project notify (i.e. email/fax statement) the CEO, DoF and DSEWPac of any known IMS detected in the waters within the marine leases held by the Proponent at or adjacent to Cape Lambert within 48 hours (to the CEO and DoF) and 24 hours (to DSEWPac) following detection or following subsequent sample analysis undertaken as part of inspection or monitoring activities. The summary report to DSEWPac will outline the incident and what measures were implemented.	Within 48 hours of detection	Refer to the notification sent to the OEPA and Department of Fisheries regarding the detection of <i>Didemnum perlucidum</i> (RTIO-HSE-0168842) Refer to the follow-up notification sent to the OEPA and Department of Fisheries regarding the detection of <i>Didemnum perlucidum</i> (RTIO-HSE-0170436)	Compliant
9: DSDMP p71	In accordance with Condition 9-5, in the event that any IMS are detected during either the inspection of non-trading vessels and immersible equipment, or during monitoring surveys, the Proponent shall, in consultation with the CEO and DoF develop and implement an agreed IMS Management Strategy to prevent wherever practicable, the establishment and proliferation of that organism, aiming to control and potentially eradicate that organism, and to minimise the risk of that organism being transferred to other locations within Western Australia.	In the event that IMS are detected	Refer to the preliminary management strategy developed for <i>Didemnum perlucidum</i> (RTIO-HSE-0187601) and follow-up correspondence determined in association with the IMS survey results (RTIO-HSE-0217049)	Compliant
10: DSDMP p72	<u>Vessel Risk Assessment</u> Appropriately qualified marine scientist with experience in biosecurity: <ul style="list-style-type: none"> Approved arrival VRA report and supporting documents to be submitted to DoF demonstrating low risk status of vessel prior to operations. Departure VRA will be undertaken to determine if a vessel inspection is required. This process will take into account current monitoring outcomes, the bioregion of the proposed operational area and if applicable, the IMS commitments of the contracting party prior to vessel's departure. 		All invasive marine species risk assessments were conducted by Bill Bardsley, a Western Australian Department of Fisheries approved inspector (RTIO-HSE-0101214) Refer to the following OEPA approvals for marine vessels mobilised via risk assessment: <ul style="list-style-type: none"> RTIO-HSE-0177820 - CLB OEPA approval for the mobilisation of MV ALS 96 RTIO-HSE-0178008 - CLB OEPA approval 	Compliant

Audit Code	Action	When	Evidence	Status
			<p>for the mobilisation of MV JoHoCo</p> <ul style="list-style-type: none"> • RTIO-HSE-0198826 - CLB OEPA approval for the mobilisation of MV Harrietta - 5 October 2013 • RTIO-HSE-0199856 - CLB OEPA approval for the mobilisation of MV Harrietta - 15 October 2013 • RTIO-HSE-0200206 - CLB OEPA approval for the mobilisation of MV Joan M - 10 October 2013 • RTIO-HSE-0200525 - CLB OEPA approval for the mobilisation of MV Vantage - 15 October 2013 • RTIO-HSE-0201485 - CLB OEPA approval for the mobilisation of MV Vantage - 28 October 2013 <p>Refer to the following Department of Fisheries demobilisation approvals:</p> <ul style="list-style-type: none"> • RTIO-HSE-0169848 CLB DoF Demobilisation Approval for MVs Brute Force and Westsea 7 • RTIO-HSE-0169849: CLB DoF Demobilisation Approval for MV Phantom • RTIO-HSE-0170694: CLB DoF Demobilisation Approval for MV Henderson January 2013 • RTIO-HSE-0189196: CLB DoF Demobilisation Approval for MVs Aimee and Jack Up Barge 3 May 2013 • RTIO-HSE-0189882: CLB DoF Demobilisation Approval for MVs Fitzroy Star and Jilly B 2 July 2013 • RTIO-HSE-0190094: CLB Demobilisation Approval for MV Jilly B 3 July 2013 • RTIO-HSE-0190095: CLB DoF Demobilisation Approval for MV Fitzroy Star 3 July 2013 	
11: DSDMP p72	<p><u>Vessel Inspection</u></p> <p>Appropriately qualified marine scientist with a demonstrated knowledge of IMS and experience in undertaking vessel and immersible equipment inspections:</p> <ul style="list-style-type: none"> • A single vessel inspection will be undertaken prior to operations. Within either 48 hours prior to mobilisation to site or within 48 hours of arrival on site. • Vessels will be subjected to further inspections where cleaning/treatments etc have occurred to confirm low risk status of the vessel. 	During marine vessel inspections	Not applicable, no vessel and/or immersible equipment inspections occurred during this reporting period	Not applicable

Audit Code	Action	When	Evidence	Status
	<p><u>Vessel Inspection Checklist</u></p> <p>Appropriately qualified marine scientist with a demonstrated knowledge of IMS and experience in undertaking vessel and immersible equipment inspections:</p> <p>Completed vessel inspection checklists including a summary of inspection outcomes will be provided to DoF as soon as practicable but within 48 hours of the completion of the inspection.</p> <p><u>Vessel Inspection Report</u></p> <p>Appropriately qualified marine scientist with experience in biosecurity:</p> <p>Final report detailing all relevant information and justification will be provided within 10 business days after the completion of the inspection and any associated treatments. Where species confirmation is still outstanding, a preliminary report will be provided within this timeframe, with a final report to be submitted as soon as species ID is confirmed by a taxonomist.</p>			
Monitoring Programs, Surveys and Inspections – Water Quality Monitoring				
12: DSDMP p97	<p>Particle Size Distribution (PSD) data will not be used in any formal trigger assessments. The PSD of surface sediments in areas adjacent to the dredging area will be surveyed, both pre and post dredging, to assess the extent of any change in sediment characteristics as a result of the dredging and spoil disposal activities.</p> <p>Surveys will be undertaken before and after the dredging and spoil disposal activities. Sediment samples of the top 10cm of surface sediment will be taken with increasing distance (250 m, 500 m, 1000 m, 2000 m and 5000 m) along 4 axes originating from the dredging footprint to record potential spatial variability in sediment characteristics within the areas adjacent to the dredging footprint (Figure 5-3).</p> <p>PSD at each location will be determined in the laboratory using laser diffraction and wet sieving techniques.</p> <p>For the purposes of reporting, sediment PSD data from the pre-dredging survey will be compared against the post-dredging data to assess the spatial extent of any changes in sediment characteristics attributable to the dredging and spoil disposal program.</p>	Post dredging	Refer to the Cape Lambert Port B Development Post-Dredging Marine Monitoring Works: Post-Dredge Sediment Particle Size Distribution Report (RTIO-HSE-0177232)	Compliant
All other actions were required during dredging activities only and consequently, were not applicable during this reporting period				
Monitoring Programs, Surveys and Inspections – Coral Health Monitoring				
All actions were required during or within 2 months post completion of dredging activities and consequently, were not applicable during this reporting period				

Audit Code	Action	When	Evidence	Status
Monitoring Programs, Surveys and Inspections – Benthic Primary Producer Habitat Monitoring				
13: DSDMP p106	<p>A pre-dredging BPPH survey has been undertaken and post-dredging BPPH surveys will be undertaken to assess and evaluate compliance with Conditions 8-1 and 8-10 of the Ministerial Statement 840.</p> <p>Condition 8-1 - The Proponent shall ensure that the implementation of the proposal does not cause a direct loss of Benthic Primary Producer Habitat in excess of 0.7 ha.</p> <p>Condition 8-10 – At 6 months and 18 months from completion of construction the Proponent shall report to the CEO the permanent loss of Benthic Primary Producer Habitat and any loss of Benthic Primary Producer (BPP) Communities within the six local assessment units shown on Figure 4b and 4c. The reports shall include co-ordinates and a map showing the areas of loss of BPPH and BPP Communities caused by the proposal and the results of water quality monitoring correlated with coral health, to the requirements of the CEO.</p> <p>To demonstrate compliance with the Ministerial Conditions, the data from the pre- and post-dredging BPPH surveys will be compared to determine if any change in BPP communities has occurred, and to evaluate whether any change can be attributed to dredging and spoil disposal activities.</p>	6 and 18 months post dredging	<p>Refer to the 'Cape Lambert Port B Development Six Month Post Dredge Benthic Primary Producer Habitat Monitoring Report' (RTIO-HSE-0187546)</p> <p>The 18 month post dredging survey was conducted in 2014 and will be assessed within the 2014 Compliance Report</p>	Compliant
14: DSDMP p106	<p>The pre-dredging BPPH monitoring used towed video methods to collect baseline data along replicate transects within potential impact and reference sites to quantify the areal extent of BPPH and composition and percent cover of BPP communities (coral, macro algae and turf algae) within the 6 local assessment units. The post-dredging BPPH monitoring will use the same methods to repeat the sampling so that pre- and post-dredging percent data can be analysed to evaluate whether there has been any change in BPPH areal extent and BPP community composition and/or percent cover. If a change is detected, data from a gradient of sites at varying distances from dredging activities will be used to infer whether this change was likely to be attributable to dredging and/or spoil disposal activities. In addition, data from the water quality and reactive coral health monitoring programs will also be used to assist in the interpretation of whether any detected changes in BPPH or BPP communities can be attributed to dredging and/or spoil disposal activities.</p> <p>If change in BPPH is detected in pre- versus post-dredging data, and is considered to be a consequence of dredging or spoil disposal activities, summed BPPH losses will be compared against allowable limits described under Condition 8-1 of the Ministerial Statement 840.</p>	6 and 18 months post dredging	<p>Refer to the 'Cape Lambert Port B Development Six Month Post Dredge Benthic Primary Producer Habitat Monitoring Report' (RTIO-HSE-0187546)</p> <p>The 18 month post dredging survey was conducted in 2014 and will be assessed within the 2014 Compliance Report</p> <p>The 1.4 ha limit within Ministerial Statement 840 was not exceeded (RTIO-HSE-0227379)</p>	Compliant
15: DSDMP p107	<p>BPPH monitoring will be undertaken at 19 sites, consisting of the existing 13 coral health survey sites (SKM 2010) plus an additional six potential impact sites (Table 5-3). The six additional BPPH monitoring sites were selected in representative areas containing BPPH on the south east tip of Bezout Island (three additional sites), the tip of Cape Lambert (one additional site) and on the east of Middle Reef (two additional sites).</p>	Post Dredging 3 months after completion of 6 month post survey	<p>Refer to the 'Cape Lambert Port B Development Six Month Post Dredge Benthic Primary Producer Habitat Monitoring Report' (RTIO-HSE-0187546)</p>	Compliant

Audit Code	Action	When	Evidence	Status
16: DSDMP p107	At 6 months and 18 months from completion of dredging, the Proponent shall report to the CEO the permanent loss of BPPH and any loss of BPP communities within the six local assessment units shown. The reports shall include co-ordinates and a map showing the areas of loss of BPPH and BPP communities caused by the proposal and the results of water quality monitoring correlated with Coral health (Condition 8-10, Ministerial Statement 840). These reports will also be provided to DSWEPaC.	Prior to and Post Dredging	Refer to the 'Cape Lambert Port B Development Six Month Post Dredge Benthic Primary Producer Habitat Monitoring Report' (RTIO-HSE-0187546) The 18 month post dredging survey was conducted in 2014 and will be assessed within the 2014 Compliance Report	Compliant
All other actions were required during dredging activities only and consequently, were not applicable during this reporting period				
Monitoring Programs, Surveys and Inspections – Coral Spawning Assessment and Monitoring				
All other actions were required during dredging activities only and consequently, were not applicable during this reporting period				
Monitoring Programs, Surveys and Inspections – Invasive Marine Species Management				
17: DSDMP p111	This VRA and subsequent risk reduction measures (i.e. vessel inspections / treatments) will be undertaken by qualified marine scientists with knowledge of IMS and experience in vessel inspections and treatment.	During vessel risk assessments	All invasive marine species risk assessments were conducted by Bill Bardsley, a Western Australian Department of Fisheries approved inspector (RTIO-HSE-0101214)	Compliant
18: DSDMP p112	The risk assessment process will consider the known transmission vectors and the vessels operational and maintenance history to assess the overall risk status of a vessel. The VRA will consider, but not be limited to the following factors: <ul style="list-style-type: none"> vessel type; recent vessel inspection and cleaning history; fouling control systems; vessel origin and proposed area of operation; and ballast/trim tank sea water origin. 	During vessel risk assessments	Refer to the following OEPA approvals for marine vessels mobilised via risk assessment: <ul style="list-style-type: none"> RTIO-HSE-0177820 - CLB OEPA approval for the mobilisation of MV ALS 96 RTIO-HSE-0178008 - CLB OEPA approval for the mobilisation of MV JoHoCo RTIO-HSE-0198826 - CLB OEPA approval for the mobilisation of MV Harrietta - 5 October 2013 RTIO-HSE-0199856 - CLB OEPA approval for the mobilisation of MV Harrietta - 15 October 2013 RTIO-HSE-0200206 - CLB OEPA approval for the mobilisation of MV Joan M - 10 October 2013 RTIO-HSE-0200525 - CLB OEPA approval for the mobilisation of MV Vantage - 15 October 2013 RTIO-HSE-0201485 - CLB OEPA approval for the mobilisation of MV Vantage - 28 October 2013 	Compliant
19: DSDMP p112	As a result of the risk assessment process, any vessel that is classified as a high / uncertain risk of harbouring IMS of concern to the Cape Lambert marine environment will undergo subsequent mitigation measures, including inspections and if necessary cleaning / treatment procedures.	During vessel risk assessments	Not applicable, no additional mitigation measures were required as an outcome of the risk assessment process during this reporting period	Not applicable

Audit Code	Action	When	Evidence	Status
20: DSDMP p112	<p>IMS Approved arrival VRA Report and supporting documents to be submitted to DoF demonstrating low risk status prior to operations in order seek exemption from further management measures. Supporting documents include, but are not limited to, the following factors that may influence IMS establishment and survival:</p> <ul style="list-style-type: none"> • presence and condition of fouling control coatings (internal and external); • operation and maintenance history (i.e. home port and last port of call); and • previous inspections and IMS mitigation and management measures. 		<p>Refer to the following OEPA approvals for marine vessels mobilised via risk assessment:</p> <ul style="list-style-type: none"> • RTIO-HSE-0177820 - CLB OEPA approval for the mobilisation of MV ALS 96 • RTIO-HSE-0178008 - CLB OEPA approval for the mobilisation of MV JoHoCo • RTIO-HSE-0198826 - CLB OEPA approval for the mobilisation of MV Harrietta - 5 October 2013 • RTIO-HSE-0199856 - CLB OEPA approval for the mobilisation of MV Harrietta - 15 October 2013 • RTIO-HSE-0200206 - CLB OEPA approval for the mobilisation of MV Joan M - 10 October 2013 • RTIO-HSE-0200525 - CLB OEPA approval for the mobilisation of MV Vantage - 15 October 2013 • RTIO-HSE-0201485 - CLB OEPA approval for the mobilisation of MV Vantage - 28 October 2013 	Compliant
21: DSDMP p112	<p>Departure VRA will be undertaken to determine if an inspection is required. This process will take into account the bioregion of the proposed operational area and if applicable, the IMS commitments of the contracting party prior to vessel's departure.</p>	During vessel risk assessments	<p>Refer to the following Department of Fisheries demobilisation approvals:</p> <ul style="list-style-type: none"> • RTIO-HSE-0169848 CLB DoF Demobilisation Approval for MVs Brute Force and Westsea 7 • RTIO-HSE-0169849: CLB DoF Demobilisation Approval for MV Phantom • RTIO-HSE-0170694: CLB DoF Demobilisation Approval for MV Henderson January 2013 • RTIO-HSE-0189196: CLB DoF Demobilisation Approval for MVs Aimee and Jack Up Barge 3 May 2013 • RTIO-HSE-0189882: CLB DoF Demobilisation Approval for MVs Fitzroy Star and Jilly B 2 July 2013 • RTIO-HSE-0190094: CLB Demobilisation Approval for MV Jilly B 3 July 2013 • RTIO-HSE-0190095: CLB DoF Demobilisation Approval for MV Fitzroy Star 3 July 2013 	Compliant
22: DSDMP p114	<p>As stipulated in Condition 9-1 of Ministerial Statement 840, vessel inspections will be conducted:</p>	During vessel inspections	<p>Not applicable, no marine vessel inspections occurred during this reporting period</p>	Not applicable

Audit Code	Action	When	Evidence	Status
	<p>a) Immediately (no more than 48 hours) prior to vessel or immersible equipment departure for Cape Lambert Port B; or</p> <p>b) Within 48 hours following arrival of vessel or immersible equipment within Port Walcott; and</p> <p>c) Vessels that have spent more than seven days in coastal waters (less than 50 meters depth) between inspection and their arrival at Port Walcott shall also be inspected during the sixth week after arrival at Port Walcott.</p> <p>These inspections will be undertaken either in 'dry dock' or via divers in water with sufficient visibility to conduct a proper inspection. Inspections will be supervised by a qualified marine scientist with experience undertaking IMS inspections and the taxonomic identification of species of concern. The inspector will conduct a general inspection of the following, where applicable:</p> <ul style="list-style-type: none"> vessel hull and associated external niche areas; internal and external niches (including anchor lockers, bow thrusters outlets, sea water strainers and cooling systems); vessel deck; immersible equipment; dredging equipment; interview with chief engineer or review of chief engineers logbook to determine evidence of bio-fouling within internal seawater systems. Symptoms include restricted water flow / engine overheating; and vessel Ballast Water Log Book to ensure AQIS approval of ballast water management. <p>Photographs or video images will be taken during the inspection to demonstrate the degree of biofouling and overall risk status of the vessel.</p> <p>In the event that sediment or known or suspected IMS are identified, photographic or video images showing the species will be taken, including the full extent of the fouling clearly visible. In addition, samples will be taken and sent for expert taxonomic identification, where required (if found on vessels within Australian waters). The management strategy presented in Section 4.5 will be implemented when suspected or known marine pest are identified.</p> <p>Note that as per Condition 9-1 of Ministerial Statement 840, Tug vessels and other support vessels that move between the Proponents Dampier and Cape Lambert operations and between Johns Creek marina at Point Samson to these operations and remain in Western Australia's territorial waters, are excluded from the requirements of this condition and Condition 9-2.</p> <p>A vessel inspection checklist will be completed following each inspection. This checklist</p>			

Audit Code	Action	When	Evidence	Status
	<p>will be provided to the DoF as soon as practicable but within 48 hrs after completion of inspection and before the commencement of operations for each vessel. The submitted checklist will include a statement from the inspector providing an assessment on the status of the vessel in terms of degree of bio-fouling, identification of any known or suspected IMS, compliance with the AQIS mandatory ballast water requirements and presence and condition fouling control systems.</p> <p>In the event that an IMS is identified on vessel already in state waters, the DoF will be notified as soon as practicable but within 48 hours (following species confirmation).</p> <p>An inspection report including details of the risk assessments, vessel history, antifouling coat status and inspection results will be provided to the DoF within ten business days of completion of the inspection. Where species confirmation is outstanding, a draft report will be submitted with a clause stating that taxonomic confirmation is pending.</p>			
23: DSDMP p115	The monitoring design, implementation and reporting shall be consistent with the standards set out as part of the National Monitoring Network for the Prevention and Management of Marine Pest Incursions, as approved by the Monitoring Design Assessment Panel of the National Introduced Marine Pest Coordinating Group	During IMS monitoring programs	Refer to the 2013 IMS monitoring program methods (RTIO-HSE-0187595) and subsequent DAFF/MDAP approval (RTIO-HSE-0187582)	Compliant
24: DSDMP p115	Outcomes from the monitoring program will be fed into the departure VRA, in order to assess the risk of non-trading vessels demobilising from Port Walcott. Targeted IMS monitoring will be undertaken at least every three years for the life of the project.	During vessel risk assessments	<p>Refer to the following Department of Fisheries demobilisation approvals:</p> <ul style="list-style-type: none"> • RTIO-HSE-0169848 CLB DoF Demobilisation Approval for MVs Brute Force and Westsea 7 • RTIO-HSE-0169849: CLB DoF Demobilisation Approval for MV Phantom • RTIO-HSE-0170694: CLB DoF Demobilisation Approval for MV Henderson January 2013 • RTIO-HSE-0189196: CLB DoF Demobilisation Approval for MVs Aimee and Jack Up Barge 3 May 2013 • RTIO-HSE-0189882: CLB DoF Demobilisation Approval for MVs Fitzroy Star and Jilly B 2 July 2013 • RTIO-HSE-0190094: CLB Demobilisation Approval for MV Jilly B 3 July 2013 • RTIO-HSE-0190095: CLB DoF Demobilisation Approval for MV Fitzroy Star 3 July 2013 	Compliant
Reporting and Auditing – Water Quality, Sedimentation and Benthic Primary Producer Habitat				
25: DSDMP p116	Sediment PSD Assessment Report: Comparison of pre and post dredging survey results	Submitted within 3 months of completion of	Refer to the Cape Lambert Port B Development Post-Dredging Marine Monitoring Works: Post-Dredge Sediment Particle Size Distribution	Compliant

Audit Code	Action	When	Evidence	Status
		post dredging Sediment PSD assessment	Report (RTIO-HSE-0177232)	
26: DSDMP p116	Model Validation Report: Results from model validation study	Upon completion of monitoring program	Not applicable, the model was not validated during this reporting period	Not applicable
26: DSDMP p116	BPPH Monitoring Report – 6 month post dredging report: Comparison of pre dredging BPPH survey with the 6 month post dredging survey results	Submitted within 3 months of completion of 6 month BPPH survey	Refer to the 'Cape Lambert Port B Development Six Month Post Dredge Benthic Primary Producer Habitat Monitoring Report' (RTIO-HSE-0187546)	Compliant
27: DSDMP p116	BPPH Monitoring Report – 18 month post dredging report: Comparison of pre dredging BPPH survey, 6 and 18 month post dredging survey results	Submitted within 3 months of completion of 18 month BPPH survey	Not applicable, the 18 month survey was completed in 2014 and will be assessed within the 2014 compliance assessment	Not applicable
All other actions were required during dredging activities only and consequently, were not applicable during this reporting period				
Reporting and Auditing – Coral Spawning Management				
All actions were required during dredging activities only and consequently, were not applicable during this reporting period				
Reporting and Auditing – Turtles and Marine Mammals Management				
All actions were required during dredging activities only and consequently, were not applicable during this reporting period				
Reporting and Auditing – Marine Invasive Marine Species Management				
28: DSDMP p 116	IMS Inspection Checklists: Checklist completed during vessel inspections including assessment of vessel pest status	Within 48 hours of each inspection	Not applicable, no marine vessel inspections occurred during this reporting period	Not applicable
29: DSDMP p117	IMS Inspection Report: Report on vessel inspection including vessel history	Within 10 business days of inspection	Not applicable, no marine vessel inspections occurred during this reporting period	Not applicable
Reporting and Auditing – Spoil Ground Management				
30: DSDMP p117	Spoil Ground Bathymetry: A digital copy of each of the bathymetry surveys (RAN Hydrographer)	Within two months of the final bathymetric survey being undertaken	Refer to close out report submitted to the RAN hydrographer (RTIO-HSE-0164058)	Compliant

Audit Code	Action	When	Evidence	Status
31: DSDMP p117	Spoil Ground Bathymetry: A report on the bathymetry, including a chart showing the change in seafloor bathymetry as a result of dumping and including a written commentary on the volumes of dumped material that have been retained within the disposal site (DSEWPaC).	Within two months of the final bathymetric survey being undertaken	Refer to the pre and post dredging survey report (RTIO-HSE-0164049)	Compliant
32: DSDMP p117	IMO Reporting: <ul style="list-style-type: none"> Permit details Details on the quantity and type of sediment disposed. Other details listed in Appendix 2 of the Sea Dumping Permit (or in a format as approved by the Department from time to time) (DSEWPaC) 	Annually, by 31 January each year and upon expiry of the permit or completion of all dumping activities under the permit	Refer to the 2012 annual report submitted to the IMO on January 14 2013 (RTIO-HSE-0170494)	Compliant
Reporting and Auditing – Hydrocarbon and Chemical Management				
All actions were required during dredging activities only and consequently, were not applicable during this reporting period				
Reporting and Auditing – Other Reporting				
All actions were required during dredging activities only and consequently, were not applicable during this reporting period				
Compliance Auditing and Reporting				
33: DSDMP p117	A compliance audit schedule will be developed based on the conditions contained within the various approvals documents. The finalised audit criteria schedule will be provided to the DEC and DSEWPaC for approval.		EPBC 2008/4032: refer to Section 5 of the Cape Lambert Port B Development: 2010 Compliance Assessment EPBC 2008/4032 (RTIO-HSE-0160590) Ministerial Statement 840: refer to Cape Lambert Port B Development Compliance Assessment Plan Ministerial Statement 840 (RTIO-HSE-0100106)	Compliant
34: DSDMP p118	The proponent will submit to the CEO of the OEPA environmental compliance reports annually, reporting on the previous twelve-month period. The environmental compliance reports will address each element of the audit program (Appendix D).	Every 12 months	Refer to the Cape Lambert Port B Development Ministerial Statement 840 Annual Compliance Assessment Report 2013 (RTIO-HSE-0212109)	Compliant
35: DSDMP p118	An independent audit of compliance with this DSDMP and the relevant SDP will be conducted by an approved auditor. The audit criteria and the independent auditor will be approved by DSEWPaC prior to the commencement of the audit. This audit will be undertaken as per the requirement of the SDP and EPBC approval. A report on the audit results will be provided to the DSEWPaC once completed.		The DSDMP was not independently audited during this reporting period	Not applicable
36: DSDMP p118	Upon request, at least two Australian government nominees will be afforded access to	When requested	Not applicable, inspection requests occurred	Not applicable

Audit Code	Action	When	Evidence	Status
	witness, inspect, examine or audit any part of the operations, including any dumping or monitoring activity, the vessel or any other equipment, or any documented records, and are to be provided with any necessary assistance in carrying out their duties.		during this reporting period	

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Table 5 SD2008/822 Compliance Assessment

Audit Code	Action	When	Evidence	Status
SD2008/822 Condition 2	Pilbara Iron Pty Ltd must ensure that all activities are undertaken in accordance with the conditions of the EPBC Act approval (EPBC2008/4032)	At all times	There were three minor (administrative) non-compliances with EPBC2008/4032 during this reporting period, as detailed within Section 3 and Table 3 of this document.	Non-compliant
SD2008/822 Condition 6	The DSDMP must be made available (electronically) on Pilbara Iron Pty Ltd website within 30 days of the DSDMP being approved by the Minister as specified in Condition 3	Within 30 days of the DSDMP being approved by the Minister	Not applicable, the DSDMP was not amended nor approved by the Minister during this reporting period	Not applicable
SD2008/822 Condition 18	<p>Pilbara Iron Pty Ltd must keep records comprising either weekly plotting sheets or a certified extract of the ship's log which detail:</p> <ul style="list-style-type: none"> a) the times and dates of when each dumping run is commenced and finished; b) the position (as determined by GPS) of the vessel at the beginning and end of each dumping run, with the inclusion of the path of each dumping run; c) the volume of dredge material (in-situ cubic metres) dumped and quantity in dry tonnes and compare these quantities with the total amount permitted under the permit on a daily basis. <p>These records are to be retained by Pilbara Iron Pty Ltd for verification and audit purposes.</p>	At all times	Daily dredge reports (RTIO-HSE-0159562) and weekly plotting sheets (RTIO-HSE-0159566) are retained on the Iron Ore Document Management System as required	Compliant
SD2008/822 Condition 22	To facilitate annual reporting to the International Maritime Organization, Pilbara Iron Pty Ltd must report to the Department by 31 January each year, including on the day of the expiry of the permit or completion of all dumping activities under this permit, information at Appendix 2 to this permit, or in a format as approved by the Department from time to time.	31 January each year	Refer to the 2012 annual report submitted to the IMO on 14 January 2013 (RTIO-HSE-0170494)	Compliant
All other actions were required during or immediately post dredging and dumping activities and consequently, were not applicable during this reporting period				

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Table 6 Marine Turtle Management Plan Compliance Assessment

Audit Code	Subject	Action	How	Evidence	Satisfy	Phase	When	Status
Project Design Measures								
MTMP Management Action 3.1	Final design will aim to maximise the setback of stockpiles and other infrastructure from Bells Beach	Maximise setbacks as per 3.1	Infrastructure has been set back from Bells Beach as required, as detailed within the Cape Lambert Port B (50+50MTPA Phase A) Definitive Engineering Study (CLB-REP-G-025, RTIO-HSE-0195648) and the Cape Lambert Port B 353 Definitive Engineering Study (CLBB-REP-G-001, RTIO-HSE-0239518) Both Bells and Cooling water beaches are recorded as exclusion zones (Avoidance_Exclusion_Sites.tab) within RTIO's GIS and approvals databases	RTIO DoE	Pre-construction	During the final design phase Prior to the commencement of construction activities	Compliant	
MTMP Management Action 3.2	Ensure the final design does not result in any direct clearing of turtle nesting habitat on Bells Beach or Cooling Water Beach	Restrict clearing of clearing of turtle nesting habitat on Bells and Cooling Water beaches	The final design does not result in any direct clearing of turtle habitat at Bells or Cooling Water beaches, as detailed within the Cape Lambert Port B (50+50MTPA Phase A) Definitive Engineering Study (CLB-REP-G-025, RTIO-HSE-0195648) and the Cape Lambert Port B 353 Definitive Engineering Study (CLBB-REP-G-001, RTIO-HSE-0239518) Both Bells and Cooling Water beaches are recorded as exclusion zones (Avoidance_Exclusion_Sites.tab) within RTIO's GIS and approvals databases	RTIO DoE	Pre-construction	During the final design phase Prior to the commencement of construction activities	Compliant	
MTMP Management Action 3.3	Ensure the final design does not result in any direct clearing of the elevated foredune separating Bells Beach from the port facilities	Do not incorporate clearing of elevated foredune separating Bells Beach from the Port facilities in design	The final design does not result in any direct clearing of the elevated foredune separating Bells Beach from the port facilities, as detailed within the Cape Lambert Port B (50+50MTPA Phase) Definitive Engineering Study (CLB-REP-G-025) Both Bells and Cooling water beaches are recorded as exclusion zones (Avoidance_Exclusion_Sites.tab) within	RTIO DoE	Pre-construction	During the final design phase Prior to the commencement of construction activities	Compliant	

			RTIO's GIS and approvals databases				
MTMP Management Action 3.4	Ensure that final project design does not result in increased vehicle access onto Bells Beach or Cooling Water Beach		<p>The final design does not result in any increased vehicular access onto Bells or Cooling Water Beaches, as detailed within the Cape Lambert Port B (50+50MTPA Phase) Definitive Engineering Study (CLB-REP-G-025)</p> <p>Both Bells and Cooling water beaches are recorded as exclusion zones (Avoidance_Exclusion_Sites.tab) within RTIO's GIS and approvals databases</p>	RTIO DoE	Pre-construction	<p>During the final design phase</p> <p>Prior to the commencement of construction activities</p>	Compliant
MTMP Management Action 3.5	Stabilise primary dune vegetation (and enhance where opportunities are present), using locally occurring dune species	Stabilise primary dune vegetation using locally occurring dune species	Not applicable, no stabilisation works were conducted during this reporting period	RTIO DoE	Overall	Where opportunities present	Not applicable
MTMP Management Action 3.6	Conduct a project lighting review to identify all static and mobile operational light sources	Conduct a project lighting review as per 3.6	Refer to the first (RTIO-HSE-0106625), second (RTIO-HSE-0134983) and third (RTIO-HSE-0174946) phase project lighting reviews (RTIO-HSE-0106625)	DoE	Pre-construction	Prior to the commencement of construction activities	Compliant
MTMP Management Action 3.7	Provide a copy of the completed project lighting review to DSEWPac by 31st January 2011	Provide project lighting review as per 3.7	Refer to the first (RTIO-HSE-0106625), second (RTIO-HSE-0134983) and third (RTIO-HSE-0174946) phase project lighting reviews (RTIO-HSE-0106625)	DoE	Pre-construction	Prior to the commencement of construction activities	Compliant
MTMP Management Action 3.8	Critically reassess all identified project lighting, giving consideration to functional and safety issues, with the objective of reducing light levels and light spill at Bells Beach and Cooling Water Beach and along the wharf	Reassess project lighting as per 3.7	Refer to the first (RTIO-HSE-0106625), second (RTIO-HSE-0134983) and third (RTIO-HSE-0174946) phase project lighting reviews (RTIO-HSE-0106625)	DoE	Pre-construction		Compliant
MTMP Management Action 3.9	Produce a finalised project lighting specification based on the outcomes of the review process required by 3.6 and 3.7 above. The outcome of the first phase lighting review and analysis was provided to the DSEWPac in	Produce finalised project lighting specifications as per 3.8.	Refer to the first (RTIO-HSE-0106625), second (RTIO-HSE-0134983) and third (RTIO-HSE-0174946) phase project lighting reviews (RTIO-HSE-0106625)	DoE	Pre-construction	31 January 2012	Compliant

	January 2011. Additional information in relation to the lighting review and analysis for the Cape Lambert Port B development, including the amendments to the tug harbour will be submitted to DSEWPaC by 31 January 2012. Advice will be provided to DSEWPaC on what measures will be implemented, how these measures will address the relevant management actions and the timing for implementation						
Construction Management Procedures							
MTMP Management Action 4.1	Apply the Approvals Request and permitting system to ensure no unauthorised clearing is undertaken	Apply the Approvals Request and permitting system	RTIO's incident reporting system confirms that all project works were subject to RTIO's Approvals Request system during this reporting period	DoE OEPA	Pre-construction Construction		Compliant
MTMP Management Action 4.2	Apply the Port B Development CEMP clearing procedures	As per the CEMP	RTIO's incident reporting system confirms that all project works were subject to RTIO's Approvals Request system during this reporting period	DoE OEPA	Construction		Compliant
MTMP Management Action 4.3	Include a marine turtle education and management requirements component in site inductions	Include a marine fauna component in site inductions	Refer to the CLB Site Specific Induction (RTIO-HSE-0125707) and the Marine Fauna Observation Training Package (RTIO-HSE-0128846)	DoE	Construction	During new starter site inductions	Compliant
MTMP Management Action 4.4	No personnel or vehicles to access Bells Beach or Cooling Water Beach without EPCM EO approval	Demarcate Bells and Cooling Water as exclusion zones. Require that any personnel entering these zones receives EPCM EO	Both Bells and Cooling water beaches are recorded as exclusion zones (Avoidance_Exclusion_Sites.tab) within RTIO's GIS and approvals databases, as required	EPCM EO DoE	Construction	When access to Bells and Cooling Water beaches is required	Compliant
MTMP Management Action 4.5	Report any incidents involving marine turtles to DSEWPaC and DEC	Complete DEC Marine Turtle Stranding and Mortality Datasheet in the event of an incident involving marine turtles	There were no marine turtle incidents attributable to proposal implementation during this reporting period	DoE DEC (now DER)	Construction	In the event of an incident involving marine turtles	Not applicable
MTMP Management Action 4.6	Adhere to requirements of statutory dredging permits in respect of turtle exclusion devices and turtle spotting within the dredge area and spoil grounds	Adhere to permits as per 4.6	No applicable no dredging during this reporting period	DoE	Construction	During dredging activities	Not applicable
MTMP Management	Pile driving is only to be conducted during daylight hours during the nesting period	Engage trained MFOs and pile drive during	Refer to the CLB Marine Fauna Environmental Work Procedure (RTIO	DoE	Construction	During pile driving	Compliant

Action 4.7	(October – March). MFOs are to be engaged to spot for marine turtles during pile driving within 500 m of pile driving	daylight hours only	HSE- 0154440) Refer to the Cape Lambert Port B Marine Fauna Observation Database (RTIO-HSE-0129506)			activities	
MTMP Management Action 4.8	Any piling that must be conducted after daylight hours is to be staged such that works closest to Cooling Water Beach are outside of the nesting period		No piling activities were conducted outside of daylight hours during this reporting period	DoE	Construction	During pile driving activities	Not applicable
MTMP Management Action 4.9	Any approval to pile drive outside daylight hours will firstly be sought from the DEC; advice from DSEWPaC on any additional requirements will be sought	Seek approval from DEC and DSEWPaC to pile drive outside daylight hours	No piling activities were conducted outside of daylight hours during this reporting period	DoE	Construction	During pile driving activities	Not applicable
MTMP Management Action 4.10	Pile driving to be commenced with a soft start up procedure (ramping up over 15 minutes) to disperse any turtles in the vicinity prior to normal pile driving	Soft start all pile driving activities	Refer to the CLB Marine Fauna Environmental Work Procedure (RTIO HSE-0154440) Refer to the Cape Lambert Port B Marine Fauna Observation Database (RTIO-HSE-0129506).	DoE	Construction	During pile driving activities	Compliant
MTMP Management Action 4.11	No pile driving will commence until the designated MFOs have verified that no marine turtles have been observed within an area 500 m from the planned piling operation during the 15 minute period immediately prior to commencement	MFO verify there are no marine turtles within exclusion zones during the 15 minute immediately prior to commencement	Refer to the CLB Marine Fauna Environmental Work Procedure (RTIO HSE-0154440) Refer to the Cape Lambert Port B Marine Fauna Observation Database (RTIO-HSE-0129506)	DoE	Construction	During the 15 minute period immediately prior to pile driving activities	Compliant
MTMP Management Action 4.12	If MFOs see a turtle entering within 500 m of a single piling operation, the piling operation within that distance from the marine turtle will be suspended	Suspend piling operations in the event that a turtle enters within 500 m of a single piling operation	Refer to the CLB Marine Fauna Environmental Work Procedure (RTIO HSE-0154440) Refer to the Cape Lambert Port B Marine Fauna Observation Database (RTIO-HSE-0129506)	DoE	Construction	During pile driving activities	Compliant
MTMP Management Action 4.13	Develop and implement a possible nest relocation programme for Cooling Water Beach, in liaison with DEC and DSEWPaC, in the event that monitoring indicates a significant decline in nest success relative to other beaches. DEC and DSEWPaC approval will be required before this strategy is adopted	Develop and implement a possible nest relocation programme for Cooling Water Beach	No decline in nesting success attributable to project implementation was observed at Cooling Water Beach during this reporting period	DoE DEC (now DER)	Construction	In the event that monitoring indicates a significant decline in nest	Not applicable

						success relative to other beaches	
Operational Management Procedures							
MTMP Management Action 5.1	Identify and address any processes affecting the long-term stability of the primary dune at Bells Beach	Monitor primary dune landform for overall stability, vegetation cover and any evidence of erosive processes	Not applicable, no assessments were conducted during this reporting period	DoE	Operations	Biennial	Not applicable
MTMP Management Action 5.2	Implement dune surface stabilisation and revegetation programme at the Bells Beach primary dune if monitoring indicates landform stability is being compromised	Implement dune surface stabilisation and revegetation programme	Not applicable, no dune surface stabilisation and revegetation programmes were required during this reporting period	DoE	Operations	As required	Not applicable
MTMP Management Action 5.3	Identify any sections of beaches that are subject to elevated light levels from artificial sources	Conduct light monitoring at Bells and Cooling water beaches	Refer to the Cape Lambert Marine Turtle Monitoring Program 2013 Monitoring Results (RTIO-HSE-0210407) Refer to the CLB Marine Turtle Nesting Beach Light Spill Monitoring Register	DoE	Operations	Marine turtle nesting season	Compliant
MTMP Management Action 5.4	Develop and implement additional lighting design modifications to address source of elevated light levels	Develop lighting design / modifications as per 5.4	Not applicable, no elevated levels of light were identified during this reporting period	DoE	Operations	As required	Not applicable
MTMP Management Action 5.5	Provide initial report on light spill analysis	Complete and provide light spill analysis report	The light spill analysis works are planned to occur during 2014 and will be assessed within the 2014 EPBC2008/4032 compliance report	DoE	Operations	Within 6 months of commissioning	Not applicable
MTMP Management Action 5.6	Continue dust management improvement programme	Continue dust management improvement programme	Refer to the Lambert Dust Management Plan (RTIO-HSE-0191442)	DoE	Operations		Compliant
MTMP Management Action 5.7	Include a marine turtle education and management requirements component in site inductions	Include a marine turtle education and management requirements component in site inductions	Refer to the CLB Site Specific Induction (RTIO-HSE-0125707)	DoE	Operations	During new starter site inductions	Compliant
MTMP Management Action 5.8	No personnel or vehicles to access Bells Beach or Cooling Water Beach without SEO approval	Demarcate Bells and Cooling Water as exclusion zones. Require that any personnel entering	Both Bells and Cooling water beaches are recorded as exclusion zones (Avoidance_Exclusion_Sites.tab) within RTIO's GIS and approvals databases,	SEO DoE	Operations	When access to Bells and Cooling Water	Compliant

		these zones receives SEO approval	as required			beaches is required	
MTMP Management Action 5.9	Implement misoriented turtle protocol and liaise with DEC and DSEWPaC as required	Obtain Regulation 17 Licence to take Fauna Licence and implement misoriented turtle protocol	The misoriented turtle protocol was not required to be implemented during this reporting period	DEC (now DER)	Operations		Not applicable
MTMP Management Action 5.10	Report any incidents involving marine turtles	Complete and submit the DEC Marine Turtle Stranding and Mortality Datasheet – Pilbara Region	There were no marine turtle incidents attributable to proposal implementation during this reporting period	DoE DEC (now DER)	Operations	In the event of an incident involving marine turtles	Not applicable
MTMP Management Action 5.11	Develop and implement effective waste management practices for the Cape Lambert landfill or its replacement	Develop and implement effective waste management practices for the Cape Lambert landfill or its replacement	Refer to the 7kp Landfill Management Procedure (RTIO-HSE-0105410)	DoE	Operations		Compliant
MTMP Management Action 5.12	Continue fox baiting programme in the Cape Lambert area	Continue fox baiting programme in the Cape Lambert area	Fox baiting is conducted annually, as required. Baiting generally occurs immediately prior to the marine turtle nesting season to mitigate impacts to turtle nests/hatchlings.	DoE	Operations		Compliant
MTMP Management Action 5.13	Develop a relocation protocol for misoriented turtles in liaison with the DEC and the DSEWPaC	Develop a relocation protocol for misoriented turtles in liaison with the DEC and the DSEWPaC	Refer to the Cape Lambert Port B Marine Turtle Management Plan (RTIO-HSE-0193896), as approved by the DSEWPaC and OEPA	DoE DEC (now DER)	Operations		Compliant
MTMP Management Action 5.14	Continue to exclude (high speed) recreational vessels from around the Cape Lambert wharves and jetties	Port Manager to continue to exclude (high speed) recreational vessels from around the Cape Lambert wharves and jetties	The Cape Lambert wharves/jetties are formally listed Port Security Zones under the <i>Maritime Transport and Offshore Facilities Security Act 2003</i> . Recreational vessels are not permitted to access Port Security Zones.	DoE DEC (now DER)	Operations	At all times	Compliant
Monitoring							
MTMP Management Action 6.1	Design and implement a monitoring plan for the Bells Beach primary dune	Design and implement a monitoring plan for the Bells Beach primary dune	Refer to the Cape Lambert Port B Development Marine Turtle Management Plan (RTIO-HSE-0193896)	DoE	Construction		Compliant
MTMP	Undertake field monitoring of incident light	Undertake field	Refer to the Cape Lambert Marine Turtle	DoE	Overall	Annually	Compliant

Management Action 6.2	levels at Bells Beach and Cooling Water Beach and regional sites	monitoring of incident light levels at Bells Beach and Cooling Water Beach and regional sites	Monitoring Program 2013 Monitoring Results (RTIO-HSE-0210407)				
MTMP Management Action 6.3	Capture light level data into a database and GIS	Capture light level data into a database and GIS	Refer to the Cape Lambert Marine Turtle Monitoring Program 2013 Monitoring Results (RTIO-HSE-0210407)	DoE	Overall	Annually	Compliant
MTMP Management Action 6.4	Investigate the use of sky glow image monitoring from fixed viewsheds at Bells Beach and Cooling Water Beach and regional sites	Investigate the use of sky glow image monitoring from fixed viewsheds at Bells Beach and Cooling Water Beach and regional sites	Refer to the Cape Lambert Marine Turtle Monitoring Program 2013 Monitoring Results (RTIO-HSE-0210407).	DoE	Overall	Annually	Compliant
MTMP Management Action 6.5	Undertake vibration monitoring at Cooling Water Beach during pile driving activities in the nesting season	Undertake vibration monitoring at Cooling Water Beach during pile driving activities in the nesting season	Vibration monitoring was undertaken in December 2012 (RTIO-HSE-0196400), as required	DoE	Construction	One season	Compliant
MTMP Management Action 6.6	Monitor noise associated with pile driving during initial operations to collect data to assist future noise modelling	Monitor noise associated with pile driving during initial operations	Refer to the underwater noise monitoring environmental work procedure (RTIO-HSE-0163076) and the results from surveys one (RTIO-HSE-0187685) and two (RTIO-HSE-0187686)	DoE	Overall	During pile driving	Compliant
MTMP Management Action 6.7	Measure underwater noise from pile driving to establish a library of sound signals from various piling scenarios suitable for reviewing the predictive capacity of the noise propagation model used for Port B Development, and enable recommendations for improving the accuracy of future underwater noise modelling	Measure underwater noise	Refer to the underwater noise monitoring environmental work procedure (RTIO-HSE-0163076) and the results from surveys one (RTIO-HSE-0187685) and two (RTIO-HSE-0187686)	DoE	Construction	During pile driving	Compliant
MTMP Management Action 6.8	Undertake nesting success monitoring at Cooling Water Beach and Bells Beach during pile driving activities in the nesting season	Undertake nesting success monitoring	Refer to the Cape Lambert Marine Turtle Monitoring Program 2013 Monitoring Results (RTIO-HSE-0210407)	DoE	Construction	During pile driving	Compliant
MTMP Management Action 6.9	Undertake nesting activity monitoring at Bells Beach and Cooling Water Beach, and collect contextual data at reference sites	Undertake nesting activity monitoring at Bells Beach and Cooling Water Beach, and collect contextual data at reference sites	Refer to the Cape Lambert Marine Turtle Monitoring Program 2013 Monitoring Results (RTIO-HSE-0210407)	DoE	Overall	Annually	Compliant

MTMP Management Action 6.10	Monitor hatchling dispersal patterns in onshore habitats	Monitor hatchling dispersal patterns	Refer to the Cape Lambert Marine Turtle Monitoring Program 2013 Monitoring Results (RTIO-HSE-0210407)	DoE	Overall	Annually	Compliant
MTMP Management Action 6.11	Conduct tagging programme for turtles utilising Bells Beach, Cooling Water beach and Delambre Island to examine long term population changes	Conduct tagging programme as per 6.11	Refer to the Cape Lambert Marine Turtle Monitoring Program 2013 Monitoring Results (RTIO-HSE-0210407)	DoE	Overall	Annually	Compliant
MTMP Management Action 6.11b	Conduct satellite tracking of nesting female Flatback turtles at Bells Beach	Deploy 15 transmitters in 3 years	16 position-only transmitters, 10 GPS-Fastloc units and 10 SMRU-GPS and depth logging transmitters were deployed during the 2012/13 marine turtle nesting season (RTIO-HSE-0210407)	DoE	Overall	Within 3 years	Compliant
MTMP Management Action 6.12	Continue incident reporting programme and analyse turtle related incidents	Complete and submit the DEC Marine Turtle Stranding and Mortality Datasheet – Pilbara Region	There were no marine turtle incidents attributable to Cape Lambert Port B operations during this reporting period	DoE	Overall	When an incident occurs involving marine turtles	Not applicable
MTMP Management Action 6.13	Report mortalities of marine turtles found within the Port B Development work area through notification to DSEWPaC within 48 hours of the sighting	Complete and submit the DEC Marine Turtle Stranding and Mortality Datasheet – Pilbara Region	There were no marine turtle incidents attributable to Cape Lambert Port B operations during this reporting period	DoE	Overall	Within 48 hours of sighting	Not applicable
MTMP Management Action 6.14	Undertake an investigation if the injured or dead turtle is attributed to the Port B Development and refer to one of three trigger levels to guide any management response	Undertake an investigation as per 6.14	There were no marine turtle incidents attributable to proposal implementation during this reporting period	DoE	Overall	In the event of a marine turtle mortality which is attributable to the Port B Development	Not applicable
MTMP Management Action 6.15	Report to the DSEWPaC if any turtles/hatchlings need to be relocated outlining matters such as the reason for the relocation, the site where the turtles/hatchling was relocated from and where it was relocated to, and timing) within 48 hours	Report on relocated turtles/hatchlings as per 6.15	Not applicable, no marine turtle relocations occurred during this reporting period	DoE	Overall	Within 48 hours of a marine turtle relocation	Not applicable
Reporting and Review Process							
MTMP Management	Prepare internal and external reports on marine turtle monitoring and management	Prepare marine turtle monitoring and	Refer to the Cape Lambert Port B Marine Turtle Management Plan (RTIO-HSE-0193896), as approved by the	DoE	Overall	Annually	Compliant

Action 7.1		management	DSEWPaC and OEPA				
MTMP Management Action 7.2	Undertake annual continuous improvement review based on outcomes of 7.1 above, in consultation with DEC and DSEWPaC	Annual review	Refer to the Cape Lambert Port B Marine Turtle Management Plan (RTIO-HSE-0193896), as approved by the DSEWPaC and OEPA	DoE	Overall	Annually	Compliant
MTMP Management Action 7.3	Employ an EMA as part of implementation of the Cape Lambert Port B Development	Employ Ecosystems Monitoring Adviser	Jason Rossendell employed as Ecosystems Monitoring Adviser	DoE	Implementation	Once	Compliant
MTMP Management Action 7.4	Consult with DEC, DSEWPaC and other stakeholders in regards to turtle monitoring and management	Consult with DEC and DSEWPaC as per 7.4	Refer to the Cape Lambert Port B Marine Turtle Management Plan (RTIO-HSE-0193896), as approved by the DSEWPaC and OEPA	DoE DEC (now DER)	Overall	As required	Compliant
MTMP Management Action 7.5	Provide annual report to the Minister for SEWPaC addressing compliance with the conditions of EPBC 2008/4032, including this MTMP (Condition 18)	Provide annual compliance report	Refer to the 2010 (RTIO-HSE-0125801), 2011 (RTIO-HSE-01650590), 2012 (RTIO-HSE-0200765) and 2013 (this document) EPBC2008/4032 annual compliance assessments Cape Lambert Port B Development 2010 Compliance Assessm EPBC 2008/4032	Minister for DoE	Overall	Annually	Compliant
MTMP Management Action 7.6	Provide Compliance Assessment Report to the OEPA addressing compliance with the conditions of Ministerial Statement 840 (Condition 4)	Provide Compliance Assessment Reports to the OEPA	Refer to the Cape Lambert Port B annual compliance assessment reports for 2010 (RTIO-HSE-0109153), 2011 (RTIO-HSE-0132047) and 2012 (RTIO-HSE-0178492) and 2013 (this document)	OEPA	Overall	Annually	Compliant

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Table 7 Cetacean Management Plan Compliance Assessment

Audit Code	Subject	Action	How	Evidence	Satisfy	Phase	When	Status
Vessel Movement Mitigation and Management Measures								
CMP Table 3-2.1	Prior to commencement of dredging and construction activities, nominated crew will receive training from a qualified person. This training will include details of procedures to be followed in the event of marine mammals sightings, injury or death		Provide training to nominated crew from a qualified person in accordance with 3-2.1	Marine mammal management training has been carried out by Todd Jess, an accredited trainer (RTIO-HSE- 0123380) Refer to the CLB EMP Training presentations (RTIO-HSE-0159769), CLB Specialised Environmental Training Presentations (RTIO-HSE-0159770), CLB Environmental Training Records (RTIO-HSE-0159772) and the CLB Environmental Induction (RTIO HSE-0159773) Refer to the Cape Lambert Port B Marine Fauna Observation Database (RTIO-HSE-0129506)	Minister for DoE	Construction	Prior to the commencement of dredging and construction activities	Compliant
CMP Table 3-2.2	Marine mammals (except dolphin) observation and response procedures, including the application of a 1 km observation zone and a 300 m vessel movement exclusion zone, will be implemented during dredging, spoil disposal and construction works		Implement observation and response procedures, and exclusion zones as per 3-2.2	Not applicable, no dredging activities occurred during this reporting period	Minister for DoE	Construction	During dredge and spoil disposal activities	Not applicable
CMP Table 3-2.3	An appropriately trained lookout will be maintained for cetaceans while any dredging or construction vessels travel within the project area		Provide training to nominated crew from a qualified person in accordance with 3-2.1 Maintain an appropriately trained lookout as per 3-2.3	Refer to the Cape Lambert Port B Marine Fauna Observation Database (RTIO-HSE-0129506) Refer to the Cape Lambert Port B Pile Driving Marine Fauna Observation Records for 2011 (RTIO-HSE-0129510) , 2012 (RTIO-HSE-0178729) and	Minister for DoE	Construction	During vessel transit	Compliant

			2013 (RTIO-HSE-0212701)				
CMP Table 3-2.4	In the event that a cetacean is sighted by the nominated lookout, vessel speeds and direction will be adjusted to avoid the observed individual (within the safety constraints of the vessel)	Adjust vessel speeds and direction as per 3-2.3 in the event of a cetacean sighting	In the event an observation is made (RTIO-HSE-0129506), vessel avoidance measures are implemented as required	Minister for DoE	Construction	In the event that a cetacean is sighted	Compliant
CMP Table 3-2.5	All port related vessels will be made aware of the locations of the dredges and associated equipment such as floating or submerged pipelines, cables and support vessels. Information will be exchanged between involved parties with regards to planned shipping movements and dredging activities. Should marine mammals be sighted within 300 m of dredging and /or spoil disposal activities, all construction vessels operating as a component of the Port B development will be notified.	Notify all port related vessels of dredgers and associated equipment, as per 3-2.5	Not applicable, no dredging occurred during this reporting period	Minister for DoE	Construction	During Piling	Not applicable
CMP Table 3-2.6	Pilbara Iron will record and report (i.e. email / fax statement), all marine mammal (including dolphin) injury and mortality incidents to the DEC and DSEWPaC within 24 hours. Details will include the time and nature of each incident and the species involved, if known.	Record and report all marine mammal injuries and mortalities to the DEC and DSEWPaC as per 3-2.6	No marine mammal injuries or mortalities occurred during this reporting period	Minister for DoE and CEO of the OEPA	Construction	Within 24 hours of the injury or mortality	Not applicable
CMP Table 3-2.7	All sightings of marine mammals (except dolphins) will be recorded on a Cetacean and Marine Fauna Survey Form	Record all cetacean sightings (excluding dolphins)	Refer to the Cape Lambert Port B Marine Fauna Observation Database (RTIO-HSE-0129506) Refer to the Cape Lambert Port B Pile Driving Marine Fauna Observation Records for 2011 (RTIO-HSE-0129510) , 2012 (RTIO-HSE-0178729) and 2013 (RTIO-HSE-0212701)	Minister for DoE	Construction	When sightings occur	Compliant
Pile Driving Activities Mitigation and Management Measures							
CMP Table 3-3.1	Pilbara Iron will engage a dedicated Marine Fauna Observer/s who will: 1. Demonstrate a knowledge and experience of marine	Engage a dedicated Marine Fauna Observer in accordance with the	Refer to the Cape Lambert Port B Marine Fauna Observation Database	Minister for DoE	Construction	Prior to the commencement of piling	Compliant

	<p>wildlife species and their behaviours in the Pilbara region</p> <p>2. Have the capacity, subject to safety considerations, to move independently between pile driving barges and within the exclusion zones surrounding piling operations</p> <p>3. Be on duty during all daylight hours when pile driving operations are conducted</p> <p>4. Maintain a log of:</p> <p>a. Observed cetaceans in a format consistent with the National Cetacean Sighting and Strandings Database.</p> <p>b. Other marine fauna observations, including fish kills and wildlife injuries within 500 m of piling operations.</p> <p>c. Fauna behaviours, in particular any behaviours that could be attributed to piling activities.</p> <p>d. Management responses in relation to dead and injured wildlife, including the suspension of piling activities.</p> <p>e. Observation effort in relation to piling activities.</p>	<p>requirements of 3-3.1</p> <p>Maintain a log of cetacean observations and activities as specified in M7.1</p>	<p>(RTIO-HSE-0129506)</p> <p>Refer to the Cape Lambert Port B Pile Driving Marine Fauna Observation Records for 2011 (RTIO-HSE-0129510) , 2012 (RTIO-HSE-0178729) and 2013 (RTIO-HSE-0212701)</p>			activities	
CMP Table 3-3.2	<p>Pilbara Iron will implement a marine fauna exclusion zone for sensitive species (Humpback whales or other cetaceans, excluding dolphins) consisting of a 2 000 m radius from the noise emission source (i.e. pile driving)</p>	<p>Engage a dedicated Marine Fauna Observer in accordance with the requirements of 3-3.1</p> <p>Maintain a log of cetacean observations and activities as specified in M7.1</p> <p>Implement fauna exclusion zones as per 3-3.2</p>	<p>Refer to the Cape Lambert Port B Marine Fauna Observation Database (RTIO-HSE-0129506)</p> <p>Refer to the Cape Lambert Port B Pile Driving Marine Fauna Observation Records for 2011 (RTIO-HSE-0129510) , 2012 (RTIO-HSE-0178729) and 2013 (RTIO-HSE-0212701)</p>	Minister for DoE	Construction	During piling activities	Compliant
CMP Table 3-3.3	<p>Pile driving will be conducted during daylight hours (defined between 6am and 7pm only).</p>	<p>Pile driving is restricted to the hours of 7 am to 7 pm, as per the Western Australian Environmental Protection (Noise) Regulations 1997</p>	<p>Refer to the Cape Lambert Port B Marine Fauna Observation Database (RTIO-HSE-0129506)</p> <p>Refer to the Cape Lambert Port B Pile Driving Marine Fauna Observation Records for 2011 (RTIO-HSE-0129510) , 2012 (RTIO-HSE-0178729) and 2013 (RTIO-HSE-0212701)</p>	Minister for DoE and CEO of the OEPA	Construction	During piling activities	Compliant

CMP Table 3-3.4	Where an application to pile drive at night (beyond those defined hours above) is sought from or approved by the DEC, Pilbara Iron will update the CMP accordingly and submit it for approval by the Minister in accordance with Condition 20 of EPBC 2008/4032.	Not applicable Pile driving is restricted to the hours of 7 am to 7 pm, as per the Western Australian Environmental Protection (Noise) Regulations 1997	No applications to pile at night were submitted during this reporting period No pile driving occurred during the night during this reporting period	Minister for DoE and CEO of the OEPA	Construction	Prior to pile driving at night	Not applicable
CMP Table 3-3.5	Pile driving activities will not commence during daylight hours, until the designated Marine Fauna Observer/s have verified that no whales have been observed within 2.5 km, from the planned piling operation, during the 20 minute period immediately prior to the commencement of pile driving.	Marine fauna observer to monitor surrounding waters for 20 minutes immediately prior to the commencement of piling activities, as per 3-3.5	Refer to the Cape Lambert Port B Marine Fauna Observation Database (RTIO-HSE-0129506) Refer to the Cape Lambert Port B Pile Driving Marine Fauna Observation Records for 2011 (RTIO-HSE-0129510) , 2012 (RTIO-HSE-0178729) and 2013 (RTIO-HSE-0212701)	Minister for DoE	Construction	20 minutes prior to the commencement of piling activities	Compliant
CMP Table 3-3.6	Soft start-up procedures that slowly increase the intensity of noise emissions over a period of no less than 20 minutes will be implemented.	Implement soft-start procedures as per 3-3.6	Refer to the Cape Lambert Port B Pile Driving Marine Fauna Observation Records for 2011 (RTIO-HSE-0129510) , 2012 (RTIO-HSE-0178729) and 2013 (RTIO-HSE-0212701)	Minister for DoE and CEO of the OEPA	Construction	Prior to the commencement of full power pile driving	Compliant
CMP Table 3-3.7	Should sensitive marine fauna (Humpback whales or other cetaceans) be observed or enter into the 2 000 m exclusion zone, pile driving will cease until such time as the cetacean has, or cetaceans have, moved outside the 2 000 m exclusion zone or has not been sighted for 20 minutes	Establishment of whale exclusion zones	Refer to the Cape Lambert Port B Pile Driving Marine Fauna Observation Records for 2011 (RTIO-HSE-0129510) , 2012 (RTIO-HSE-0178729) and 2013 (RTIO-HSE-0212701)	Minister for DoE	Construction	When a cetacean enters into the 2000 m exclusion zone	Compliant
CMP Table 3-3.8	No pile driving shall occur between the hours of sunset and sunrise during the peak southern migration of mother and calf humpback whale pods defined as 15 September to 10 October in any year	Pile driving is restricted to the hours of 7 am to 7 pm, as per the Western Australian Environmental Protection (Noise) Regulations 1997	Refer to the Cape Lambert Port B Pile Driving Marine Fauna Observation Records for 2011 (RTIO-HSE-0129510) , 2012 (RTIO-HSE-0178729) and	Minister for DoE and CEO of the OEPA	Construction	Between September 15 and October 10 in any year	Compliant

		Regulations 1997	2013 (RTIO-HSE-0212701)				
CMP Table 3-3.9	Pilbara Iron will implement acoustic controls on the pile drivers to reduce noise at source.	Investigate and implement acoustics controls on the pile where practicable	Refer to the air curtain trial (RTIO-HSE-0131640)	Minister for DoE	Construction	When practicable	Compliant
CMP Table 3-3.10	Warning strikes will not be used to deter cetaceans from the area	Communicate to the pile driving contractor that warning strikes will not be used to deter cetaceans Implement soft-start requirements as per as per 3-3.6	Refer to the Cape Lambert Port B Pile Driving Marine Fauna Observation Records for 2011 (RTIO-HSE-0129510) , 2012 (RTIO-HSE-0178729) and 2013 (RTIO-HSE-0212701)	Minister for DoE	Construction	Never	Compliant
CMP Table 3-3.11	Vessels will not be used to herd cetaceans from the area	Communicate to the pile driving contractor that cetaceans cannot be herded	No cetaceans were herded during the reporting period, as required. Refer to the Cape Lambert Port B Pile Driving Marine Fauna Observation Records for 2011 (RTIO-HSE-0129510) , 2012 (RTIO-HSE-0178729) and 2013 (RTIO-HSE-0212701)	Minister for DoE	Construction	Never	Compliant
CMP Table 3-3.12	Pilbara Iron will record and report (i.e. email / fax statement), all marine mammal (including dolphin) injury and mortality incidents to the DEC and DSEWPac within 24 hours. Details will include the time and nature of each incident and the species involved, if known	Record and report all marine mammal injuries to the DEC and DSEWPac as per 3-3.12	No marine mammal injuries or mortalities were recorded during this reporting period	Minister for DoE and CEO of the OEPA	Construction	Within 24 hours of the injury or mortality	Not applicable
CMP Table 3-3.13	All sightings of marine mammals (except dolphins) will be recorded	Record all cetacean sightings (excluding dolphins)	Refer to the Cape Lambert Port B Marine Fauna Observation Database (RTIO-HSE-0129506) Refer to the Cape Lambert Port B Pile Driving Marine	Minister for DoE	Construction	When sightings occur	Compliant

			Fauna Observation Records for 2011 (RTIO-HSE-0129510) , 2012 (RTIO-HSE-0178729) and 2013 (RTIO-HSE-0212701)				
CMP Table 3-3.14	Pilbara Iron will within six months of completing pile driving operations for the Port B development, lodge cetacean records with the National Cetacean Sighting and Strandings Database at the Australian Antarctic Division	Lodge cetacean records with the National Cetacean Sighting and Strandings Database at the Australian Antarctic Division as per 3-3.14	Records provided to the Australian Antarctic Division, as required and evidenced in a written letter submitted to the DSEWPac (RTIO-HSE-0199705)	Minister for DoE	Construction.	Within six months of completing pile driving operations	Compliant
Dredging and Spoil Disposal Mitigation and Management Measures							
Not applicable, no dredging or spoil disposal activities occurred during this reporting period							
Drill and Blast Mitigation and Management Measures							
Not applicable, no drill or blast activities occurred during this reporting period							