

RTA Weipa Pty Ltd

# Amrun Project Annual Compliance Report 2019

August 2019

**RioTinto**



**A report prepared in accordance with Condition 68 of the Amrun  
Project EPBC Act Approval 2010/5642**

**DOCUMENT CONTROL**

Version	Purpose	Approval	Submission	Date
1.0	Publication on Amrun Website and submission to DoEE	Weipa Specialist Environment	DoEE	10/08/2019

## TABLE OF CONTENTS

<b>1</b>	<b>PROJECT OVERVIEW .....</b>	<b>4</b>
<b>2</b>	<b>PURPOSE AND SCOPE .....</b>	<b>5</b>
2.1.	PURPOSE .....	5
2.2.	SCOPE.....	5
<b>3</b>	<b>COMPLIANCE ASSESSMENT .....</b>	<b>6</b>
<b>4</b>	<b>REFERENCES .....</b>	<b>68</b>

### LIST OF TABLES

<b>TABLE 1: AMRUN PROJECT NON-COMPLIANCES FROM 12 MAY 2018 TO 12 MAY 2019 AND CORRECTIVE ACTIONS .....</b>	<b>7</b>
<b>TABLE 2: AMRUN PROJECT COMPLIANCE REPORT FOR EPBC2010/5642 (12 MAY 2018 TO 12 MAY 2019) .....</b>	<b>8</b>
<b>TABLE 3: CONSTRUCTION AND OPERATIONAL MARINE AND SHIPPING MANAGEMENT PLAN COMPLIANCE STATUS (12 MAY 2017 TO 12 MAY 2018) .....</b>	<b>50</b>
<b>TABLE 3: OPERATION MARINE AND SHIPPING MANAGEMENT PLAN COMPLIANCE STATUS (12 MAY 2017 TO 12 MAY 2018) .....</b>	<b>ERROR! BOOKMARK NOT DEFINED.</b>
<b>TABLE 4: MAINTENANCE DREDGE MANAGEMENT PLAN – PORT COMPLIANCE STATUS (12 MAY 2018 TO 12 MAY 2019) .....</b>	<b>54</b>
<b>TABLE 5: TERRESTRIAL MANAGEMENT PLAN COMPLIANCE STATUS (12 MAY 2018 TO 12 MAY 2019) .....</b>	<b>55</b>
<b>TABLE 6: FERAL PIG MANAGEMENT OFFSET STRATEGY COMPLIANCE STATUS (12 MAY 2017 TO 12 MAY 2018) .....</b>	<b>60</b>
<b>TABLE 7: SEA DUMPING PERMIT 2017/3722 COMPLIANCE STATUS (12 MAY 2018 TO 12 MAY 2019) .....</b>	<b>63</b>

## 1 PROJECT OVERVIEW

The Amrun (formerly Boyd components of the South of Embley) Project involves the construction and operation of a bauxite mine and associated processing and port facilities for shipping of bauxite to either Gladstone or international markets. The Amrun Project is located near Boyd Point on the western side of Cape York Peninsula approximately 40km south of Weipa.

Preliminary Works for the Project commenced in October 2015, the Construction phase commencing on 12 May 2016 (Commencement of the Action<sup>1</sup>) and the Operational phase of the Project commenced on 2 December 2018. The project has a current estimated production rate of approximately 22.8 million dry product tonnes per annum (Mdptpa). Actual production rates and the timing and size of capacity expansions will depend on market conditions. The anticipated mine life is approximately 40 years, depending on production rates.

The main Amrun Project activities during the third annual period since Commencement of the Action are listed below. Detailed information on the full Project is presented in the South of Embley Project Commonwealth EIS (RTA 2013).

- **commencement of shipping and production;**
- **bauxite processing infrastructure** –construction and operation of the Amrun (Boyd) beneficiation plant;
- **product bauxite stockpiles** –construction and operation of beneficiated product stockpiles adjacent to Amrun (Boyd) Port;
- **ancillary infrastructure** –construction of a diesel-fuelled power station, workshops, warehouse, administration facilities, package sewage treatment plant, temporary waste storage prior to disposal off-site and diesel storage facilities;
- **barge, ferry and tug facilities** – construction and operation of a new a roll on/roll off barge and ferry facility at Humbug Wharf, and a new barge and ferry terminal on the western bank of the Hey River;
- **on-site camp** – the construction and operation of a construction camp facility (also referred to as the Amrun Accommodation Village);
- **water infrastructure** –construction and operation of a water supply dam on a freshwater tributary of Norman Creek (Arraw Dam (formerly Dam C)), plus pipelines, water treatment plants (for potable water) and artesian bores;
- **Port and ship-loading facilities** –construction and operation of the Port of Amrun, including shiploading and tug mooring facilities between Boyd Point and Pera Head.

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<sup>1</sup> In accordance with Condition 66 (EPBC 2010/5642), the Environmental Standards Division, Department of Environment and Energy was notified of this milestone on 18 May 2016.

Works include clearing and construction of land-based jetty components and installation of boat moorings.

The Port of Weipa continues to receive deliveries of fuel, cargo, and equipment for the Amrun Project from domestic (mostly the Port of Cairns) and international ports. Materials are then transferred to smaller barges for transport across the Embley River, or by road, to the Amrun Project area.

## 2 PURPOSE AND SCOPE

### 2.1. Purpose

This third annual compliance report has been produced to align with the annual reporting requirements of Condition 68 of *Environmental Protection and Biodiversity Conservation (EPBC) Act* approval EPBC 2010/5642 (reproduced below). This report describes the status of compliance with the conditions of approval from 12 May 2018 and 12 May 2019.

68. Within three (3) months of every 12 month anniversary of commencement of the action, the approval holder must publish a report on their website, for the duration of the project including decommissioning, addressing compliance with the conditions of this approval over the previous 12 months, including implementation of any management plan/s or strategies as specified in the conditions. Non-compliance with any of the conditions of this approval must be reported to the department at the same time as the compliance report is published. Within five (5) days after publication, the person taking the action must provide the Minister with a copy of the report/s.

### 2.2. Scope

This annual compliance report presents the status of Amrun Project compliance with the conditions of EPBC 2010/5642. In accordance with Condition 19, this compliance report also presents the status of Amrun Project compliance with Port of Amrun maintenance dredging Sea Dumping Permit SD2017/3722.

The following management plans and offset strategies have been prepared to address current and proposed Amrun Project scope in accordance with EPBC 2010/5642. Where these plans have been implemented during the reporting period, the status of Amrun Project compliance with these management plans is provided.

#### Management Plans:

- Temporary Barge Plan (Not Implemented);
- Construction Marine and Shipping Management Plan;
- Operational Marine and Shipping Management Plan;
- Terrestrial Management Plan;
- Maintenance Dredge Management Plan – Port.

#### Offset Strategies

- Feral Pig Management Offset Strategy;
- Inshore Dolphin Offset Strategy.

The following management plans were prepared to address Amrun Project scope which has been completed prior to this reporting period and is therefore not reported within this report. Compliance with these management plans was discussed in the compliance report for the period May 2016 – May 2017.

- Dredge Management Plan – Port (Initial Capital Dredging);
- Dredge Management Plan – River Facilities (Works completed prior to reporting period);

The annual report is to be published on the Amrun Project website (<http://www.riotinto.com/australia/reports-and-publications-16120.aspx>) by 12 August 2019 (within three (3) months of the anniversary of the Commencement of the Action).

Future compliance assessments will be published annually and will assess compliance status during the previous 12 months. The next compliance assessment will assess the period 12 May 2019 to 12 May 2020 and will be published by 12 August 2020.

### 3 COMPLIANCE ASSESSMENT

There were no non-compliances with the EPBC Act Approval EPBC 2010/5642 or Sea Dumping Permit SD2017/3722 during the reporting period, as detailed in **Table 1**.

All conditions and commitments of EPBC 2010/5642 and associated management plans and strategies were met. The compliance status for all conditions of EPBC 2010/5642 is presented in **Table 2**. The compliance status for each of the implemented management plans are presented in **Table 2** or within the tables below where applicable:

- Construction Marine and Shipping Management Plan (**Table 3**);
- Operational Marine and Shipping Management Plan (**Table 3**);
- Maintenance Dredge Management Plan – Port (**Table 4**);
- Terrestrial Management Plan (**Table 5**);
- Feral Pig Management Offset Strategy (**Table 6**);
- The compliance status of the Sea Dumping Permit SD2017/3722 is presented in **Table 7**.

All monitoring and survey methodology, reports and/or data are available on the Amrun Project website (<http://www.riotinto.com/australia/reports-and-publications-16120.aspx>). In accordance with Condition 69 of EPBC 2010/5642, all recent monitoring methodology and data are available upon request.

**Table 1: Amrun Project non-compliances from 12 May 2018 to 12 May 2019 and corrective actions**

Condition / Plan or Strategy Commitment	Compliance finding	Corrective action
No non-compliances were recorded during the reporting period	No non-compliances were recorded during the reporting period	Not Applicable

**Table 2: Amrun Project Compliance Report for EPBC2010/5642 (12 May 2018 to 12 May 2019)**

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<b>TEMPORARY BARGE PLAN</b>	
<b>Condition 1 EPBC 2010/5642</b> <i>Unless agreed to by the Minister in writing, the approval holder must submit a Temporary Barge Plan to the Minister to manage, avoid and mitigate negative impacts to listed turtle species, including their breeding and foraging habitat, from the construction, operation and decommissioning of the temporary barge facility near Pera Head.</i>	
<p>The Temporary Barge Plan was submitted to the Minister on 20 April 2015. The Temporary Barge Plan addressed the construction, operation and decommissioning of the temporary barge facility. The Temporary Barge Plan addressed the requirements of this condition (Breeding and foraging habitat of turtles summarised in Appendix 1, Impacts summarised in Section 3, and Management measures identified in Section 4.) and was approved by the Minister via letter from the Department of Environment and Energy (DoEE) on 28 July 2015 as satisfying this condition.</p>	<p>Compliant and Complete (2017)</p>
<b>Condition 2 EPBC 2010/5642</b> <i>The Temporary Barge Plan must include surveying to ascertain whether active, or potentially active, nests for the listed turtle species are present in the area to be impacted by the temporary barge facility.</i>	
<p>The Temporary Barge Plan addressed the requirements of this condition (Section 4.1) and was approved by the Minister via letter from the DoE on 28 July 2015 as satisfying this condition.</p>	<p>Compliant and Complete (2017)</p>
<b>Condition 3 EPBC 2010/5642</b> <i>The Temporary Barge Plan must include adaptive management and mitigation measures to benefit listed turtle species, including as identified in the Final Environmental Impact Statement. The Temporary Barge Plan must include and address effective management strategies to mitigate each potential impact to listed turtle species, desired outcomes, benchmarks, performance indicators and goals, timeframes for reporting and implementation, corrective actions and contingency measures, and responsibility for implementing actions.</i>	



Condition / Compliance Status	Compliance Finding (Year first reported complete)
The Temporary Barge Plan addressed the requirements of this condition (Section 4) and was approved by the Minister via letter from the DoEE on 28 July 2015 as satisfying this condition.	Compliant and Complete (2017)
<b>Condition 4 EPBC 2010/5642</b> <i>The Temporary Barge Plan must be submitted to the Minister for approval. Commencement of the temporary barge facility must not occur until the Minister has approved the Temporary Barge Plan. The approved Temporary Barge Plan must be implemented.</i>	
The Temporary Barge Plan was submitted to the Minister on 20 April 2015. The Temporary Barge Plan was approved by the Minister via letter from the DoEE on 28 July 2015. Construction of the temporary barge facility did not commence during the reporting period.	Compliant and Complete (2017)
Construction of the temporary barge facility has not yet commenced. The implementation of the Temporary Barge Plan is not applicable to this reporting period.	Not Applicable
<b>MARINE AND SHIPPING MANAGEMENT PLAN</b>	
<b>Condition 5 EPBC 2010/5642</b> <i>The person taking the action must submit a Marine and Shipping Management Plan, covering all facets of the construction and operation of all marine related precincts for the South of Embley project including, but not limited to, the Boyd Port development, shipping activities, barge and ferry terminals, recreational use of beaches on Mining Lease (ML) 7024 by project workforce and the marine environment, anchoring, and underwater noise (excluding dredge management plans at condition 14 and condition 16) for the Minister's approval and must effectively define, avoid, manage and mitigate against impacts to the following matters of national environmental significance:</i> <ul style="list-style-type: none"> <li>a. the outstanding universal value of the Great Barrier Reef World Heritage Property;</li> <li>b. Great Barrier Reef National Heritage Place;</li> <li>c. Great Barrier Reef Marine Park;</li> </ul>	

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<p>d. Listed turtle species;</p> <p>e. Listed dolphin species; and,</p> <p>f. Dugong (<i>Dugong dugon</i>) and Bryde's Whale (<i>Balaenoptera edeni</i>).</p>	
<p>Condition 8 allows for the Marine and Shipping Management Plan to be submitted in stages. Stage 1 is the construction stage and Stage 2 related to the operations phase. Both plans have been submitted and approved.</p> <p>The Construction Marine and Shipping Management Plan (Construction Marine and Shipping Management Plan) was submitted to the Minister on 2 November 2015. The Construction Marine and Shipping Management Plan was approved by the Minister via letter from the DoEE on 19 November 2015. An amendment to the Construction Marine and Shipping Management Plan inclusive of DoEE comments was submitted 19 June 2017 which was approved by the Minister via letter from DoEE on 26 July 2017 (Rev 2.1).</p> <p>The Operational Marine and Shipping Management Plan was initially submitted to the Minister on 09 August 2018 with final responses provided to the Minister on 18 September 2018. The Operational Marine and Shipping Management Plan was approved by the Minister via letter from the DoEE on 02 October 2018. Operational Shipping commenced on 2 December 2018. No amendment of the plan have been submitted.</p>	Compliant
<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6 and specifically tables listed below for the Matters of National Environmental Significance) and was approved by the Minister via letter from the DoEE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.</p> <p><b>Matters of National Environmental Significance</b></p> <p>a. the outstanding universal value of the Great Barrier Reef World Heritage Property – Table 5.</p> <p>b. Great Barrier Reef National Heritage Place – Table 5.</p> <p>c. Great Barrier Reef Marine Park – Table 6.</p> <p>d. Listed turtle species – Table 4.</p> <p>e. Listed dolphin species – Table 4.</p>	Compliant

Condition / Compliance Status	Compliance Finding (Year first reported complete)
f. Dugong ( <i>Dugong dugon</i> ) and Bryde's Whale ( <i>Balaenoptera edeni</i> ) – Table 4.	
<p><b>Condition 6 EPBC 2010/5642</b></p> <p><i>The Marine and Shipping Management Plan must incorporate avoidance and mitigation mechanisms for impacts to the outstanding universal value of the Great Barrier Reef World Heritage Property; Great Barrier Reef National Heritage Place: Great Barrier Reef Marine Park; Listed turtle species; Listed dolphin species; Dugong (<i>Dugong dugon</i>) and Bryde's Whale (<i>Balaenoptera edeni</i>), including but not limited to:</i></p> <ul style="list-style-type: none"> <li><i>a. impacts to the marine environment that supports the above listed species traversing, foraging and/or breeding habitat including, seagrass, reefs and corals, listed turtle species nesting and/or foraging habitat;</i></li> <li><i>b. impacts from changes to coastal processes, including beach and/or shore erosion from the Boyd Port development, barge facilities and/or ferry facilities and ensure the action does not alter the beach gradients to such an extent that listed turtle species are prevented from and/or impeded in accessing the beach foreshore to nest or listed turtle species hatchlings are prevented and/or impeded from entering the marine environment;</i></li> <li><i>c. artificial light related impacts on listed turtle species (including hatchlings) nesting beaches and adjacent marine environment including, but not limited to, lighting from Boyd Port construction and operation, shipping, temporary passenger landing and barge facility between Pera Head and Boyd Bay, and anchored/moored vessels (but excludes operations within the Hey and Embley Rivers);</i></li> <li><i>d. measures to ensure shipping activities are undertaken in accordance with the Great Barrier Reef Marine Park Zoning Plan (2003), or its most current version;</i></li> <li><i>e. mechanisms to implement best practice mitigation and management measures for ship loading and unloading, and all other aspects of shipping activities to minimise impacts on the marine environment (including bauxite and/or other contamination spills);</i></li> <li><i>f. impacts from vessel strike to listed turtle species, listed dolphin species or Dugongs including, but not limited to, restricting vessel speed limits to 6 knots in water depths of 2.5 metres or less; and, implementation of a transit lane in the Hey River and Embley River that follows the greatest water depths;</i></li> <li><i>g. impacts from underwater noise including, but not limited to, pile driving activities at Condition 12 and shipping;</i></li> <li><i>h. measures that minimise the risk of introduced marine pest species over the life of the project, including ballast water management. The marine pest monitoring program must be consistent with the Department of Agriculture, Fisheries and Forestry's Australian Marine Pest Monitoring Manual (version 2.0), or its most current version;</i></li> <li><i>i. impacts associated with recreational use by project employees of listed turtle species nesting habitat (including, but not limited to, implementation of a permit access system for the employees);</i></li> </ul>	

Condition / Compliance Status		Compliance Finding (Year first reported complete)
<p><i>j. if agreed by the department in writing, requirements of condition 1 to condition 4 may be incorporated into the Marine and Shipping Management Plan;</i></p> <p><i>k. impacts identified in the Environmental Management Plan Outlines at Appendix 7-E (Threatened estuarine and Marine species); Appendix 9-A (Non-avian Migratory Species); Appendix 11-A (Great Barrier Reef Marine Park, World Heritage Area and National Heritage Place); and, Appendix 10A (Commonwealth Marine Area) in the Final Environmental Impact Statement; and,</i></p> <p><i>l. mechanisms to notify the department in writing within five (5) business days of any confirmed or suspected sighting/s and/or observation/s in the marine environment in and/or around the project area of the Dwarf Sawfish (Pristis clavata); Green Sawfish (Pristis zijsron); Freshwater Sawfish (Pristis microdon); or the Speartooth Shark (Gyphhis sp. A).</i></p>		
<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition as referenced below and was approved by the Minister via letter from the DoEE on 19 November 2015 as satisfying this condition.</p> <p>The Operational Marine and Shipping Management Plan addressed the requirements of this condition as referenced below and was approved by the Minister via letter from the DoEE on 2 October 2018 as satisfying this condition.</p>		Compliant
a	<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6.9, table 4) and was approved by the Minister via letter from the DoEE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.</p> <p>The Operational Marine and Shipping Management Plan addressed the requirements of this condition as referenced below and was approved by the Minister via letter from the DoEE on 2 October 2018 as satisfying this condition.</p>	Compliant
b	<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6.9, table 4) and was approved by the Minister via letter from the DoEE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.</p> <p>The Operational Marine and Shipping Management Plan addressed the requirements of this condition as referenced below and was approved by the Minister via letter from the DoEE on 2 October 2018 as satisfying this condition.</p>	Compliant

Condition / Compliance Status		Compliance Finding (Year first reported complete)
c	<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6.9, table 4) and was approved by the Minister via letter from the DoEE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.</p> <p>The Operational Marine and Shipping Management Plan addressed the requirements of this condition as referenced below and was approved by the Minister via letter from the DoEE on 2 October 2018 as satisfying this condition.</p>	Compliant
d	<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6.5 and Section 6.9, Table 5 and Table 6) and was approved by the Minister via letter from the DoEE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.</p> <p>The Operational Marine and Shipping Management Plan addressed the requirements of this condition as referenced below and was approved by the Minister via letter from the DoEE on 2 October 2018 as satisfying this condition.</p>	Compliant
e	<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 1.2.10, Section 6.3 and Section 6.9, Table 4 to Table 6) and was approved by the Minister via letter from the DoEE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.</p> <p>The Operational Marine and Shipping Management Plan addressed the requirements of this condition as referenced below and was approved by the Minister via letter from the DoEE on 2 October 2018 as satisfying this condition.</p>	Compliant
f	<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6.6 and Section 6.9, Table 4) and was approved by the Minister via letter from the DoEE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.</p> <p>The Operational Marine and Shipping Management Plan addressed the requirements of this condition as referenced below and was approved by the Minister via letter from the DoEE on 2 October 2018 as satisfying this condition.</p>	Compliant

Condition / Compliance Status		Compliance Finding (Year first reported complete)
g	<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Pile driving activities: Section 6.1 and Section 6.9, Table 4; Vessel noise Section 6.1.3 and Section 6.9, Table 4 to Table 6) and was approved by the Minister via letter from the DoEE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.</p> <p>The Operational Marine and Shipping Management Plan addressed the requirements of this condition as referenced below and was approved by the Minister via letter from the DoEE on 2 October 2018 as satisfying this condition.</p>	Compliant
h	<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6.7, Section 8.2 and Section 6.9, Table 4 to Table 6) and was approved by the Minister via letter from the DoEE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.</p> <p>The Operational Marine and Shipping Management Plan addressed the requirements of this condition as referenced below and was approved by the Minister via letter from the DoEE on 2 October 2018 as satisfying this condition.</p>	Compliant
i	<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 1.2.6 and Section 6, Table 4) and was approved by the Minister via letter from the DoEE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.</p> <p>The Operational Marine and Shipping Management Plan addressed the requirements of this condition as referenced below and was approved by the Minister via letter from the DoEE on 2 October 2018 as satisfying this condition.</p>	Compliant
j	Not applicable - A separate Temporary Barge Plan has been prepared.	Not applicable
k	The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6 - Table 4 to Table 6) and was approved by the Minister via letter from the DoEE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.	Compliant

Condition / Compliance Status		Compliance Finding (Year first reported complete)
	The Operational Marine and Shipping Management Plan addressed the requirements of this condition as referenced below and was approved by the Minister via letter from the DoEE on 2 October 2018 as satisfying this condition.	
I	<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 8.10) and was approved by the Minister via letter from the DoEE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.</p> <p>The Operational Marine and Shipping Management Plan addressed the requirements of this condition as referenced below and was approved by the Minister via letter from the DoEE on 2 October 2018 as satisfying this condition.</p>	Compliant
<b>Condition 7 EPBC 2010/5642</b> <i>The Marine and Shipping Management Plan must also include adaptive management strategies to benefit the outstanding universal value of the Great Barrier Reef World Heritage Property; Great Barrier Reef National Heritage Place; Great Barrier Reef Marine Park; listed turtle species, listed dolphin species, Dugong and Bryde's Whale. The Marine and Shipping Management Plan must include and address effective management strategies to mitigate each potential impact, desired outcomes, benchmarks, readily measureable performance indicators and goals, timeframes for reporting and implementation, corrective actions and contingency measures, and specify the persons/ roles with responsibility for implementing actions. The Marine and Shipping Management Plan must provide information detailing Traditional Owner opportunities for employment, and mechanisms for reporting the number of local indigenous person/s actually employed in the implementation of this Plan (consistent with condition 42).</i>		
	<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6, Section 7, Table 7 to Table 9 &amp; Section 9) and was approved by the Minister via letter from the DoEE on 26 July 2017 (Amendment Rev 2.1) as satisfying this condition.</p> <p>The Operational Marine and Shipping Management Plan addressed the requirements of this condition as referenced below and was approved by the Minister via letter from the DoEE on 2 October 2018 as satisfying this condition.</p>	Compliant
<b>Condition 8 EPBC 2010/5642</b> <i>The Marine and Shipping Management Plan may be submitted to the Minister in the following stages, but the respective stages must not commence until the Minister has approved each respective version of the plan:</i>		

Condition / Compliance Status		Compliance Finding (Year first reported complete)
<i>i an initial plan related to impacts associated with construction activities, other than Preliminary Works and the pile driving operations carried out in accordance with condition 12 to condition 13;</i> <i>ii a subsequent plan to also reflect impacts associated with operations on the outstanding universal value of the Great Barrier Reef World Heritage Property; Great Barrier Reef National Heritage Place and Great Barrier Reef Marine Park; and,</i> <i>iii subsequent revisions in accordance with condition 10.</i>		
i.	The Construction Marine and Shipping Management Plan is prepared as an initial plan related to impacts associated with construction activities, other than Preliminary Works and was approved by the Minister via letter from the DoEE on 19 November 2015. Stage i. (Construction activities other than Preliminary Works as defined in the EPBC Act Approval EPBC 2010/5462) commenced on 12 May 2016 (Commencement of the Action).	Compliant and Complete (2017)
ii.	The Operational Marine and Shipping Management Plan addressed the requirements of this condition as referenced below and was approved by the Minister via letter from the DoEE on 2 October 2018.	Compliant and Complete (2018)
iii.	A subsequent revised plan is not currently required. In accordance with Condition 10 the revised plan is required two years after operations have commenced. Operations commenced on 02 December 2018 and accordingly the revised plan will be required by 02 December 2020	Not Applicable
<b>Condition 9 EPBC 2010/5642</b> <i>The subsequent Marine and Shipping Management Plan at condition 5 must be developed in consultation with relevant Commonwealth agencies, including the Australian Maritime Safety Authority and the Great Barrier Reef Marine Park Authority, and state agencies, including Maritime Safety Queensland.</i>		
A subsequent revised plan is not currently required. In accordance with Condition 10 the revised plan is required two years after operations have commenced. Operations commenced on 02 December 2018 and accordingly the revised plan will be required by 02 December 2020		Not Applicable
<b>Condition 10 EPBC 2010/5642</b>		



Condition / Compliance Status	Compliance Finding (Year first reported complete)
<i>Within two (2) years of operations commencing, the Marine and Shipping Management Plan must be reviewed, revised and submitted to the Minister for approval. The Marine and Shipping Management Plan must be reviewed, revised and submitted to the Minister for approval every three (3) years for the next nine (9) years and, unless otherwise agreed by the Minister in writing every five (5) years thereafter for the life of the project.</i>	
Operations commenced on 2 December 2018. A revised plan is not required as two years have not occurred since commencement of Operations.	Not Applicable
<b>Condition 11 EPBC 2010/5642</b> <i>The approved Marine and Shipping Management Plan/s must be implemented.</i>	
Refer to <b>Table 3</b> below for compliance status of the Construction Marine and Shipping Management Plan implementation.	Compliant
<b>PILE DRIVING</b>	
<b>Condition 12 EPBC 2010/5642</b> <i>The approval holder must ensure that the following measures related to any pile driving operations are implemented to minimise the impacts of underwater noise and disturbance on the following listed threatened species and/or listed migratory species:</i> <ul style="list-style-type: none"> <li>iv. <i>Listed turtle species;</i></li> <li>v. <i>Listed dolphin species; and</i></li> <li>vi. <i>Dugong (Ougong dugan) and Bryde's Whale (Balaenoptera edeni). Those measures must include:</i> <ul style="list-style-type: none"> <li>a. <i>pile driving operations must implement soft start procedures. The soft start procedures must not commence until the above listed species are observed to leave the exclusion zone/s or are not observed in the exclusion zone/s for at least 30 minutes;</i></li> <li>b. <i>observations for the above listed species must be undertaken over the observation zone by a suitably qualified marine observer, for at least 30 minutes before the commencement of pile driving operations, and during pile driving operations;</i></li> </ul> </li> </ul>	

Condition / Compliance Status		Compliance Finding (Year first reported complete)
<p>c. the exclusion zone must be no less than 100 metres from the pile driving operations and be implemented so as to ensure that the above listed species are not exposed to sound exposure levels of greater than or equal to 183 dB re 1<math>\mu</math> Pa2 s;</p> <p>d. pile driving operations must cease if the species listed above are observed within the exclusion zone, and action to cease all pile driving operations within the exclusion zone must be taken within two minutes of the observation, or as soon as possible, if it is unsafe to cease pile driving operations within two minutes. Every 30 days during periods when pile driving operations are occurring, the approval holder must report the number of incidents where pile driving operations did not cease within two minutes;</p> <p>e. pile driving operations must not recommence until the species listed above observed within the exclusion zone are observed to leave the exclusion zone or are not observed to leave the exclusion zone for at least 30 minutes: and,</p> <p>f. only pile driving operations which have commenced prior to sunset or prior to a period of low visibility can continue between the hours of sunset and sunrise, unless pile driving operations are suspended for more than 15 minutes.</p>		
River based piling was reported in the first annual compliance report. Port based piling commenced on 23 June 2017 and was completed in December 2017. All controls relating to pile driving operations have been implemented for all pile driving events (see below).		Compliant
a	<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6.1) and was approved by the Minister via letter from the DoEE on 26 July 2017 (Rev 2.1) as satisfying this condition.</p> <p>No incidents have occurred where soft-start piling was not implemented. No incidents where marine fauna were observed within the exclusion zone during piling activities occurred.</p>	Compliant
b	<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6.1.1) and was approved by the Minister via letter from the DoEE on 26 July 2017 (Rev 2.1) as satisfying this condition.</p> <p>Credentials (including course structure) for all observers are reviewed prior to commencement to confirm they meet the minimum requirements of the approved criteria for suitably qualified marine observers. No incidents of approved observers not being present prior to or during piling operations have been recorded.</p>	Compliant

Condition / Compliance Status		Compliance Finding (Year first reported complete)
c	<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6.1.2) and was approved by the Minister via letter from the DoEE on 26 July 2017 (Rev 2.1) as satisfying this condition.</p> <p>An exclusion zone on no less than 100m has been implemented during piling activities, with minimum observation zones specified in Table 2 for the different species.</p>	Compliant
d	<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6.1) and was approved by the Minister via letter from the DoEE on 26 July 2017 (Rev 2.1) as satisfying this condition.</p> <p>Trained marine fauna observers were present and observing for listed threatened species or listed migratory species noted in Condition 12 for a minimum of 30 minutes prior to all pile driving operations.</p> <p>No observations of marine fauna were recorded during piling activities.</p> <p>No incidents occurred where marine piling did not cease within two minutes of any listed threatened species or listed migratory species noted in Condition 12 being observed within the exclusion zone.</p> <p>Piling reports were submitted to DoEE (23 July 2017, 18 August 2017, 15 September 2017, 13 October 2017, 10 November 2017, 09 December 2017).</p>	Compliant
e	<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6.1) and was approved by the Minister via letter from the DoEE on 26 July 2017 (Rev 2.1) as satisfying this condition.</p> <p>No marine fauna were observed within the exclusion zone. .</p> <p>No incidents have occurred during this reporting period associated with restarted piling operations in accordance with Condition 12.e.</p>	Compliant

Condition / Compliance Status		Compliance Finding (Year first reported complete)
f	<p>The Construction Marine and Shipping Management Plan addressed the requirements of this condition (Section 6.1) and was approved by the Minister via letter from the DoEE on 26 July 2017 (Rev 2.1) as satisfying this condition.</p> <p>Piling operations have occurred during daylight hours only with no night works occurring.</p>	Compliant
<b>Condition 13 EPBC 2010/5642</b> <i>The criteria for a suitably qualified marine observer at condition 12b must be submitted to the Minister for approval and records must be kept of marine observers subsequently engaged. Pile driving operations cannot commence until the criteria has been approved.</i>		
The criteria for suitably qualified marine observers was submitted to the Minister on 10 October 2014, and subsequently approved by the Minister via letter from the DoEE on 22 October 2014. Piling activities commenced 23 June 2017 at the Amrun Port Facility.		Compliant and Complete (2017)
All marine fauna observers engaged for any piling activities are recorded in the marine fauna observer's database.		Compliant
<b>PORT AND RIVER DREDGE MANAGEMENT PLANS</b>		
<b>Condition 14 EPBC 2010/5642</b> <i>The approval holder must submit to the Minister for approval a Capital Dredging Management Plan/s for capital dredging activities associated with the South of Embley project. The Capital Dredging Management Plan/s must be prepared in accordance with the Australian Government National Assessment Guidelines for Dredging (2009), or their most current versions, to avoid and mitigate impacts on:</i>		
<ul style="list-style-type: none"> <li>i. Commonwealth Marine Area;</li> <li>ii. Listed turtle species;</li> <li>iii. Listed dolphin species; and,</li> <li>iv. Dugong (<i>Dugong dugon</i>) and Bryde's Whale (<i>Balaenoptera edeni</i>).</li> </ul>		

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<p>The Dredge Management Plan – Port (Initial Capital Dredging) was submitted to the Minister on 2 November 2015. The Dredge Management Plan – Port (Initial Capital Dredging) was approved by the Minister via letter from DoEE on 16 November 2015 as satisfying the relevant elements of this condition.</p> <p>The Dredge Management Plan – River Facilities was submitted to the Minister on 2 August 2015. The Dredge Management Plan – River Facilities was approved by the Minister via letter from DoEE on 16 September 2015 as satisfying the relevant elements of this condition.</p> <p>Subsequent capital dredging has not commenced.</p>	Compliant
<b>Condition 15 EPBC 2010/5642</b> <i>Capital dredging activities cannot commence until the Capital Dredging Management Plan at condition 14 has been approved.</i>	
<p>The Dredge Management Plan – Port (Initial Capital Dredging) was approved by the Minister via letter from DoEE on 16 November 2015. Capital dredging at the Amrun Port commenced 26 March 16.</p> <p>The Dredge Management Plan – River Facilities was approved by the Minister via letter from DoEE on 16 September 2015 as satisfying the relevant elements of this condition. Capital dredging at the River Facilities commenced 5 March 16.</p>	Compliant
<b>Condition 16 EPBC 2010/5642</b> <i>The approval holder must submit to the Minister for approval a Maintenance Dredging Management Plan/s for all maintenance dredging activities associated with the South of Embley Project. The Maintenance Dredging Management Plan/s must be prepared in accordance with the Australian Government National Assessment Guidelines for Dredging (2009) and the department's Long Term Monitoring and Management Plan Requirements for 10 year Permits to Dump Maintenance Dredge Material at Sea (July 2012), or their most current versions, to avoid and mitigate impacts for the matters of national environmental significance listed at condition 14.</i>	
<p>The Maintenance Dredging Management Plan - Port was submitted to the Minister on 25 November 2017. The Maintenance Dredge Management Plan – Port was approved by the Minister via letter from DoEEE on 15 March 2018 as satisfying the relevant elements of this condition.</p> <p>A maintenance dredge management plan has not yet been developed for the River Facilities.</p>	Compliant

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<b>Condition 17 EPBC 2010/5642</b> <i>Maintenance dredging activities cannot commence until the Maintenance Dredging Management Plan at condition 16 has been approved.</i>	
<p>The Maintenance Dredge Management Plan – Port was approved by the Minister via letter from DoEE on 15 March 2018. The first maintenance dredging campaign at the Port commenced 1 May 2018.</p> <p>Maintenance dredging for the River Facilities has not commenced.</p>	Compliant
<b>Condition 18 EPBC 2010/5642</b> <i>The approved Plans at condition 14 and condition 16, and/or their subsequent revisions, must be implemented.</i>	
<p>The capital dredge campaigns for both the Port and River Facilities were completed prior to the period of this report (12 May 2017 to 12 May 2018). Capital dredging at the Amrun Port commenced 26 March 2016 and was completed 9 April 2016.</p> <p>Capital dredging at the River Facilities commenced 5 March 2016 and was completed 30 March 2016.</p> <p>The first maintenance dredging campaign for the Port commenced on 1 May 2018 and was completed on 4 May 2018. Refer to <b>Table 4</b> below for the compliance status for any commitments within the Maintenance Dredge Management Plan – Port which were applicable between the 12 May 2017 and 12 May 2018. These commitments relate to monitoring and reporting requirements ongoing during the reporting period.</p> <p>The second maintenance dredge campaign occurred outside the reporting period.</p>	Compliant
<b>Condition 19 EPBC 2010/5642</b> <i>The approval holder must comply with the requirements of any permits obtained under the Environment Protection (Sea Dumping) Act 1981, including any conditions attached to the permit/s.</i>	
Compliance status for the Sea Dumping Permit 2017/3722 dated 13 April 2018 is presented below in <b>Table 7</b> .	Compliant

Condition / Compliance Status			Compliance Finding (Year first reported complete)
<b>VEGETATION CLEARING</b>			
<b>Condition 20 EPBC 2010/5642</b> <i>The approval holder must not clear vegetation or remove more than 29,658 hectares of vegetation over the life of the project. The maximum clearing of vegetation for mining areas and infrastructure that can occur in any 12 month period is 4,000 hectares.</i>			
20.1	Total clearing of vegetation to date must be less than 29,658 hectares.	Amrun clearing is progressively tracked (monthly) through survey and recorded within the monthly environmental metrics reporting. At the end of April 2019 2,795 Ha had been cleared.	Compliant
20.2	The maximum clearing of vegetation for mining areas and infrastructure in any 12 month period must be 4,000 hectares.	Amrun clearing is progressively tracked (monthly) through survey and recorded within the monthly environmental metrics reporting. Between May 2018 and April 2019 534.5 Ha was cleared.	Compliant
<b>Condition 21 EPBC 2010/5642</b> <i>To mitigate impacts on Red Goshawk (<i>Erythrorchis radiates</i>) and Masked Owl (<i>Tyto novaehollandiae kimberli</i>), Listed flora species and Listed migratory species the approval holder must provide vegetation buffer zones from mining area/s (in addition, to buffer zones required under state regulations) for the Environmental Features (as defined in the Queensland Department of Natural Resources and Mines Regional Vegetation Management Code for Western Bioregions (version 2.1, 30 November 2012)) described in following table. The vegetation buffer zones exclude areas of infrastructure.</i>			

Condition / Compliance Status		Compliance Finding (Year first reported complete)
<i>Environmental feature</i>	<i>Vegetation buffer zones</i>	
<i>Stream order one or two</i>	<i>100m to 200m** from edge of riparian</i>	
<i>Stream order three or four</i>	<i>100m to 200m** from edge of riparian vegetation</i>	
<i>Stream order five and above</i>	<i>200m from edge of riparian vegetation</i>	
<i>Natural wetland</i>	<i>200m from edge of wetland vegetation</i>	
<i>Natural significant wetland</i>	<i>200m from edge of wetland vegetation</i>	
<i>Tidal areas and marine plants***</i>	<i>200m from boundary of feature</i>	
<i>Vine forest, coastal vegetation on sand, estuaries</i>	<i>200m from edge of relevant vegetation type</i>	
<p>•• Set based on site specific factors following field survey.</p> <p>*** Category B Environmentally Sensitive area as defined by the Environmental Protection Regulation 2008 (Qld).</p>		
Vegetation buffers implemented as required in accordance with conditions throughout all operational mine related clearing. The Conservation Management Plan address the requirements of this condition.		Compliant
<b>PRE-DISTURBANCE PROGRAM</b>		
<p><b>Condition 22 EPBC 2010/5642</b></p> <p><i>Prior to any clearing of vegetation (including for Preliminary Works), surveying must be undertaken to ascertain whether active, or potentially active, nests for the Red Goshawk (Erythrotriorchis radiates) and/or Masked Owl (Tyto novaehollandiae kimberli) are present in the area to be cleared. Surveying must be undertaken for the:</i></p>		



Condition / Compliance Status	Compliance Finding (Year first reported complete)
<p>a. Red Goshawk – in areas located within one (1) kilometre of permanent water supporting riparian gallery forest or Paperback wetland; seasonally inundated coastal wetlands and seasonal water courses supporting riparian gallery forest, or an estuary; and,</p> <p>b. Masked Owl - in areas within 200 metres of permanent water supporting riparian gallery forest of paperbark wetland, seasonally inundated Paperbark wetlands, seasonal watercourses supporting riparian gallery forest or an estuary.</p>	
<p>Pre-clearing surveys, which include surveys for Red Goshawk and Masked Owl, are conducted prior to any clearing of vegetation. No active or potentially active Red Goshawk or Masked Owl nests have been recorded in the Project Area during the reporting period. The Amrun Project Pre-disturbance Program Annual Report is published on the Amrun website (<a href="http://www.riotinto.com/australia/reports-and-publications-16120.aspx">http://www.riotinto.com/australia/reports-and-publications-16120.aspx</a>).</p>	Compliant
<p><b>Condition 23 EPBC 2010/5642</b></p> <p><i>The Pre-disturbance Program must include avoidance, mitigation or management measures (and may include measures in the Final Environmental Impact Statement) if active, or potentially active, nests for the Red Goshawk or Masked Owl are found during surveying, including a 200 metre buffer zone around nest trees. The nest tree and buffer zone cannot be cleared or disturbed until the end of the breeding season (being until fledglings no longer use the nest for habitat).</i></p>	
<p>The Pre-disturbance Program is documented in the Terrestrial Management Plan Section 5.2 and 5.3. The Pre-disturbance Program specifies requirements for environmental buffers and specifies that if an active nest is identified, a 200m buffer will be established around nest trees. Clearing of trees with active nests and the buffer zone will not occur until the end of the breeding season, being until fledglings no longer use the nest. Breeding seasons are noted in the Terrestrial MP.</p> <p>No active or potentially active Red Goshawk or Masked Owl nests have been recorded in the Project Area during the reporting period. The Amrun Project Pre-disturbance Program Annual Report is published on the Amrun website (<a href="http://www.riotinto.com/australia/reports-and-publications-16120.aspx">http://www.riotinto.com/australia/reports-and-publications-16120.aspx</a>).</p>	Compliant
<p><b>Condition 24 EPBC 2010/5642</b></p> <p><i>Information obtained during the Pre-disturbance Program must be used to inform the Terrestrial Management Plan at condition 25.</i></p>	
<p>Not yet applicable until the Terrestrial Management Plan is revised.</p>	Not Applicable

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<b>TERRESTRIAL MANAGEMENT PLAN</b>	
<p><b>Condition 25 EPBC 2010/5642</b></p> <p><i>The approval holder must submit a Terrestrial Management Plan covering all of the land based activities associated with the construction and operation of the project for the Minister's approval to effectively define, avoid, adaptively manage and mitigate negative impacts to the following matters of national environmental significance:</i></p> <ul style="list-style-type: none"> <li><i>i. Red Goshawk (Erythrorchis radiates); Masked Owl (Tyto novaehollandiae kimberli); and Bare-rumped Sheath-tail Bat (Saccolaimus saccolaimus nudiclunatus)</i></li> <li><i>ii. Listed migratory bird species; and,</i></li> <li><i>iii. Listed flora species.</i></li> </ul>	
<p>The Terrestrial Management Plan was submitted to the Minister on 28 August 2015. The Terrestrial Management Plan addressed the requirements of this condition (Sections 5 &amp; 6) and was approved by the Minister via letter from DoEE on 14 October 2015 as satisfying this condition.</p>	<p>Compliant and Complete (2017)</p>
<p><b>Condition 26 EPBC 2010/5642</b></p> <p><i>The Terrestrial Management Plan must incorporate avoidance and mitigation measures for each impact associated with the project including, but not limited to:</i></p> <ul style="list-style-type: none"> <li><i>a. measures for water related impacts including, but not limited to, erosion, construction and operation of the dam; stormwater runoff, flood events, hydrocarbon spills, sewage, crude or process water, runoff from ore stockpiles, and downstream impacts on watercourses, streams and marine environment (including estuaries);</i></li> <li><i>b. measures for pests and weed management, dust management, and fire management;</i></li> <li><i>c. implementing the vegetation buffers zones at condition 21; and,</i></li> </ul>	

Condition / Compliance Status		Compliance Finding (Year first reported complete)
<i>d. measures identified in the Environmental Management Plan Outlines at Appendix 5-A (Threatened Flora Species); Appendix 6-C (Threatened fauna species); Appendix 8-A (Avian Migratory Species); and, Appendix 16-B (Water Monitoring and Management Conditions) in the Final Environment Impact Statement.</i>		
The Terrestrial Management Plan addressed the requirements of this condition (Section 5) and was approved by the Minister via letter from DoEE on 14 October 2015 as satisfying this condition.		Compliant and Complete (2017)
a	The Terrestrial Management Plan addressed the requirements of this condition (Section 5.8) and was approved by the Minister via letter from DoEE on 14 October 2015 as satisfying this condition.	Compliant and Complete (2017)
B	The Terrestrial Management Plan addressed the requirements of this condition (Sections 5.5, 5.6, 5.8, 5.4 respectively) and was approved by the Minister via letter from DoEE on 14 October 2015 as satisfying this condition.	Compliant and Complete (2017)
c	The Terrestrial Management Plan addressed the requirements of this condition (Sections 5.2) and was approved by the Minister via letter from DoEE on 14 October 2015 as satisfying this condition.	Compliant and Complete (2017)
d	The Terrestrial Management Plan addressed the requirements of this condition (Sections 6) and was approved by the Minister via letter from DoEE on 14 October 2015 as satisfying this condition.	Compliant and Complete (2017)
<b>Condition 27 EPBC 2010/5642</b> <i>The Terrestrial Management Plan must also include adaptive management strategies to benefit the species listed at condition 25. The Terrestrial Management Plan must include and address effective management strategies to mitigate each potential impact, desired outcomes, benchmarks, readily measureable performance indicators and goals, timeframes for reporting and implementation, corrective actions and contingency measures, and, specify the person/s roles with responsibility for implementing actions. The Terrestrial Management Plan must provide information detailing Traditional Owner employment opportunities, and mechanisms for reporting the number of local indigenous person/s actually employed in the implementation of this Plan (consistent with condition 42).</i>		

Condition / Compliance Status	Compliance Finding (Year first reported complete)
The Terrestrial Management Plan addressed management strategies (Sections 5 & 6) and Traditional Owner employment opportunities (Section 8) and was approved by the Minister via letter from DoEE on 14 October 2015 as satisfying this condition.	Compliant and Complete (2017)
<b>Condition 28 EPBC 2010/5642</b> <i>The Terrestrial Management Plan must be informed by the most current information available to avoid, manage or mitigate impact associated with the project (including, but not limited to National Water Quality Management Strategy, Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZECC 2000) or most current version/s of these guidelines.</i>	
The Terrestrial Management Plan addressed the requirements of this condition (Sections 5 & 6) and was approved by the Minister via letter from DoEE on 14 October 2015 as satisfying this condition.	Compliant and Complete (2017)
<b>Condition 29 EPBC 2010/5642</b> (Variation dated 3 June 2014) <i>The Terrestrial Management Plan must be submitted to the Minister for approval at least 6 months prior to commencement of the action. The commencement of the action must not occur until the Terrestrial Management Plan has been approved by the Minister. The approved Terrestrial Management Plan must be implemented.</i>	
The first version of the Terrestrial Management Plan was submitted to the Minister on 2 January 2015. Commencement of the Action occurred on 12 May 2016 with commencement of Construction, not Preliminary Works, as defined in EPBC 2010/5462. The Terrestrial Management Plan was approved by the Minister on 14 October 2015.	Compliant and Complete (2017)
Refer to <b>Table 5</b> below for compliance status of Terrestrial Management Plan implementation.	Compliant
<b>Condition 30 EPBC 2010/5642</b> <i>Within 60 days of the first anniversary of operations commencing, a revised Terrestrial Management Plan must be submitted to the Minister for approval. The Terrestrial Management Plan must be reviewed, revised and submitted to the Minister for approval every five (5) years (unless otherwise agreed by the Minister in writing) thereafter for the life of the project. The approved Terrestrial Management Plans, as revised, must be implemented.</i>	

Condition / Compliance Status		Compliance Finding (Year first reported complete)
A revised version of the Terrestrial Management Plan is not currently required. Operations commenced on 02 December 2018. The revised plan is required to be submitted by 31 January 2020 addressing this requirement		Not Applicable
<b>BARE RUMPED SHEATHTAIL BAT</b>		
<p><b>Condition 31 EPBC 2010/5642</b></p> <p><i>For the Bare-rumped Sheathtail Bat (Saccolaimus saccolaimus nudiclunatus) the approval holder must:</i></p> <p>a. undertake a targeted Bare-rumped Sheathtail Bat survey in the project area, using broad spectrum acoustic monitoring prior to the commencement of the action. The survey must cover, as a minimum, the area that was subjected to netting as part of the Final Environmental Impact Statement;</p> <p>b. support a research program being conducted by the Australian Bat Society which will aim to improve the quality of the reference call library for microbats of the Cape York region;</p> <p>c. utilise the reference calls acquired by the research program to analyse the targeted survey results for the Bare rumped Sheathtail Bat (at minimum for those reference calls collected as part of the Final Environmental Impact Survey) and further define habitat preferences for the species; and,</p> <p>d. if the Bare-rumped Sheathtail Bat is identified, adaptive management measures to avoid and mitigate impacts from the project must be implemented in the Terrestrial Management Plan at condition 25 within six (6) months of the identification of the species.</p>		
a.	Targeted survey's for the bare-rumped sheathtailed bat were conducted in the Amrun Project area and reported in the Bare-rumped Sheathtail Bat Surveys report presented in Appendix C of the Terrestrial Management Plan. The field survey and acoustic monitoring was conducted within the same areas as netting conducted for the EIS.	Compliant and Complete (2017)
b.	Support for the research program being conducted by the Australasian Bat Society (ABS) is in progress. As yet there is no defined timeframe for implementation. A sponsorship agreement was reached with the Australasian Bat Society in May 2013 and RTA and ABS to finalised the agreement on 12 December 2018	Compliant and Complete (2018)
c.	Reference calls for the Bare-rumped Sheathtail Bat were collected near a Cairns roost site and used to analyse the acoustic recordings from the targeted surveys within the Project area (Armstrong and Konishi, 2013). The analysis was reported within the Bare-rumped Sheathtail Bat Surveys report presented in Appendix C of the	Compliant and Complete (2017)

Condition / Compliance Status		Compliance Finding (Year first reported complete)
	Terrestrial Management Plan. The survey and acoustic analysis did not identify any Bare Rumped Sheathtail Bats within the Project area.	
d.	As reported within Appendix C of the Terrestrial Management Plan there was no unambiguous evidence of the occurrence of the Bare-rumped Sheath-tailed Bat in the Amrun Project area. No captures were made and there was no indication of the presence of the Bare-rumped Sheath-tailed Bat from recordings of bat echolocation.	Not Applicable
<b>Condition 32 EPBC 2010/5642</b> <i>The approval holder must notify the department in writing within five (5) business days of any confirmed or suspected observation/s (including for condition 31) in the project area of Bare-rumped Sheathtail Bat.</i>		
No Bare-rumped Sheathtail bats have been observed or recorded.		Not Applicable
<b>REHABILITATION STRATEGY</b>		
<b>Condition 33 EPBC 2010/5642</b> <i>The approval holder must submit an adaptive Rehabilitation Strategy, covering the construction and operation of the project to ensure the rehabilitated areas are functionally equivalent to the pre-disturbance habitat, to enable similar land use to that of the pre-disturbance habitat, by the following matters of national environmental significance:</i> <ul style="list-style-type: none"> <li>i. Red Goshawk (<i>Erythrotriorchis radiates</i>);</li> <li>ii. Masked Owl (<i>Tyto novaehollandiae kimberli</i>);</li> <li>iii. Rainbow Bee-eater (<i>Merops ornatus</i>);</li> <li>iv. Oriental Cuckoo (<i>Cuculus saturatus</i>);</li> <li>v. Barn Swallow (<i>Hirundo rustica</i>); and,</li> <li>vi. if identified at condition 31(c) or condition 32, the Bare-rumped Sheathtail Bat (<i>Saccolaimus saccolaimus nudiclunatus</i>).</li> </ul>		

Condition / Compliance Status	Compliance Finding (Year first reported complete)
Condition 36 requires that a Rehabilitation Strategy must be submitted to the Minister for approval within 3 years of the commencement of operations. Operations commenced on 02 December 2018 and is not due for approval until 02 December 2021.	Not Applicable
<b>Condition 34 EPBC 2010/5642</b>  <i>The land area to be progressively rehabilitated over the life of the project must be no less than 28,880 hectares. Unless otherwise specified in the approved Rehabilitation Strategy at condition 33, rehabilitation works must commence within two (2) years:</i>  <i>i. following mining in the area/s where it has been completed; or,</i>  <i>ii. following decommissioning and removal of any infrastructure, in each area where that infrastructure will not be retained at the end of the project.</i>	
Condition 36 requires that a Rehabilitation Strategy must be submitted to the Minister for approval within 3 years of the commencement of operations. Operations commenced on 2 December 2018 and is not due for approval until 02 December 2021.  Progressive rehabilitation is scheduled to commence in 2020. The first mining outside of the tailings dam commenced in 2019 and areas are yet to be complete. Areas utilised for the project are continued to be utilised for operations and have not been decommissioned.	Complaint
<b>Condition 35 EPBC 2010/5642</b>  <i>The Rehabilitation Strategy must include adaptive management strategies to benefit the species listed at condition 33. The Rehabilitation Strategy must include measures outlined in the Final Environment Impact Statement and address effective management strategies to identify desired outcomes, benchmarks, readily measurable performance indicators and goals, timeframes for reporting and implementation, corrective actions and contingency measures, and, specify the person/s roles with responsibility for implementing actions. The Rehabilitation Strategy must provide information detailing Traditional Owner employment opportunities, and mechanisms for reporting the number of local indigenous person/s actually employed in the implementation of this Strategy (consistent with condition 42).</i>	
Condition 36 requires that a Rehabilitation Strategy must be submitted to the Minister for approval within 3 years of the commencement of operations. Operations commenced on 2 December 2018 and is not due for approval until 02 December 2021.	Not Applicable

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<b>Condition 36 EPBC 2010/5642</b> <i>The Rehabilitation Strategy must be submitted to the Minister for approval within 3 years of the commencement of operations. The approved Rehabilitation Strategy must be implemented.</i>	
Condition 36 requires that a Rehabilitation Strategy must be submitted to the Minister for approval within 3 years of the commencement of operations. Operations commenced on 2 December 2018 and is not due for approval until 02 December 2021.	Not Applicable
<b>Condition 37 EPBC 2010/5642</b> <i>Unless otherwise agreed to by the Minister in writing, every five (5) years from the first anniversary of the approval of the Rehabilitation Strategy at condition 33 a reviewed Rehabilitation Strategy must be submitted to the Minister. The approved Rehabilitation Strategy must be implemented.</i>	
Condition 36 requires that a Rehabilitation Strategy must be submitted to the Minister for approval within 3 years of the commencement of operations. Operations commenced on 2 December 2018 and is not due for approval until 02 December 2021.	Not Applicable
<b>Condition 38 EPBC 2010/5642</b> <i>If the rehabilitation objectives identified for species identified at condition 33 do not meet any of the success criteria for any of these species as described in the approved Rehabilitation Strategy at condition 33 after 10 years of rehabilitation commencing, or as otherwise agreed in the approved Rehabilitation Strategy, the approval holder must notify the Minister in writing within 20 business days of the area (hectares) over which the rehabilitation objectives and success criteria were not met.</i>	
Condition 36 requires that a Rehabilitation Strategy must be submitted to the Minister for approval within 3 years of the commencement of operations. Operations commenced on 2 December 2018 and is not due for approval until 02 December 2021.	Not Applicable
<b>Condition 39 EPBC 2010/5642</b>	



Condition / Compliance Status	Compliance Finding (Year first reported complete)
<i>Within six (6) months of notifying the Minister at Condition 38, the approval holder must submit to the Minister for approval an Offset Strategy outlining the offset to be provided for the matters of national environmental significance identified at condition 33. The related offset must be in accordance with the Environmental Protection and Biodiversity Conservation Act 1999 Environmental Offset Policy (October 2012), or its most current version.</i>	
Condition 36 requires that a Rehabilitation Strategy must be submitted to the Minister for approval within 3 years of the commencement of operations. Rehabilitation have not yet commenced. An offset strategy is not required at this time.	Not Applicable
<b>Condition 40 EPBC 2010/5642</b> <i>An approved Offset Strategy must be implemented.</i>	
An offset strategy is not required at this time.	Not Applicable
<b>INDIGENOUS CONSULTATION</b>	
<b>Condition 41 EPBC 2010/5642</b> <i>The approval holder must consult with Indigenous people in accordance with the process under the Indigenous Land Use Agreement (known as the Western Cape Communities Coexistence Agreement) during preparation of management plans and strategies specified in this approval.</i>	
Traditional Owners were consulted for all management plans and strategies specified within this approval. Consultation was conducted through the Western Cape Communities Coexistence Agreement (WCCCA) Coordinating Committee and Communities, Heritage and Environment Management Plan (CHEMP) Working Group. Consultation has been recorded within minutes of all committee and working group meetings.	Compliant
<b>Condition 42 EPBC 2010/5642</b> <i>The approval holder must identify employment opportunities (e.g. under an Indigenous Land and Sea Program or seed collection associated with rehabilitation activities) for Indigenous persons to facilitate the implementation of the conditions specified in this approval.</i>	
Traditional Owner employment opportunities are identified in each of the Plans and Strategies as listed below.	Compliant

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<ul style="list-style-type: none"> <li>• Terrestrial Management Plan Section 8;</li> <li>• Operational Marine and Shipping Management Plan Section 9;</li> <li>• Construction Marine and Shipping Plan Section 9;</li> <li>• Feral Pig Management Offset Strategy section 9;</li> <li>• Temporary Barge Plan Section 6;</li> <li>• Inshore Dolphin Offset Strategy Section 3.3; and</li> <li>• Maintenance Dredge Management Plan – Port Section 9.</li> </ul> <p>Rehabilitation Strategy and Maintenance Dredging Management Plan – River have not yet been prepared.</p> <p>Implementation of Traditional Owner employment opportunities are reported within <b>Table 3</b> to <b>Table 6</b> and Condition 50 below.</p>	
<b>FERAL PIG MANAGEMENT OFFSET STRATEGY</b>	
<p><b>Condition 43 EPBC 2010/5642</b></p> <p><i>The approval holder must implement an adaptive Feral Pig Management Offset Strategy to reduce the annual level of feral predation on listed turtle species nests for the period of this approval.</i></p>	
<p>The Feral Pig Control activities and Marine Turtle Nesting Survey were implemented between July to December 2018 on the beaches, creeks and waterholes as shown in Figure 1 of Appendix D of the Feral Pig Management Offset Strategy. These beaches, creeks and waterholes are consistent with the feral pig control areas, as shown in the Feral Pig Management Offset Strategy, Appendix B, and described in the EIS Figure 7-23.</p> <p>Refer to <b>Table 6</b> below for compliance status of the Feral Pig Management Offset Strategy implementation.</p>	Compliant
<p><b>Condition 44 EPBC 2010/5642</b></p> <p><i>The Feral Pig Management Offset Strategy must be implemented at a minimum, in the project area as described in Figure 7-23 of the Final Environmental Impact Statement</i></p>	

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<p>The Feral Pig Control activities were implemented between July to December 2018 on the beaches and creeks/waterholes as shown in Figure 1 of Appendix D of the Feral Pig Management Offset Strategy. These beaches and creeks/waterholes are consistent with the feral pig control areas, as shown in the Feral Pig Management Offset Strategy, Appendix B, and described in the EIS Figure 7-23.</p> <p>Refer to <b>Table 6</b> below for compliance status of the Feral Pig Management Offset Strategy implementation.</p>	Compliant
<p><b>Condition 45 EPBC 2010/5642</b></p> <p><i>The Feral Pig Management Offset Strategy must include surveying to develop significantly robust baseline data for listed turtle species nesting in the project area and desired outcomes, benchmarks, readily measureable performance indicators and goals, timeframes for reporting and implementation, corrective actions and contingency measures, and, specify the person/s roles with responsibility for implementing actions. The Feral Pig Management Offset Strategy must provide information detailing Traditional Owner employment opportunities, and mechanisms for reporting the number of local indigenous person/s actually employed in the implementation of this Strategy (consistent with condition 42).</i></p>	
<p>The Feral Pig Management Offset Strategy addressed marine turtle surveying (Section 6.1), desired outcomes, benchmarks, readily measureable performance indicators and goals, timeframes for reporting and implementation, corrective actions and contingency measures, and, specify the person/s roles with responsibility for implementing action (Section 6 and Appendix D), and Traditional Owner Employment Opportunities (Section 9) and was approved by the Minister via letter from DoEE on 8 July 2016 as satisfying this condition.</p>	Compliant and Complete (2017)
<p><b>Condition 46 EPBC 2010/5642</b></p> <p><i>The Feral Pig Management Offset Strategy must adhere to the department's Threat Abatement Plan for Predation, Habitat Degradation, Competition And Disease Transmission By Feral Pigs, or its most current version. The Feral Pig Management Offset Strategy must also adhere to the Humane Pest Animal Control: Code of Practice And Standard Operating Procedures (that is currently being updated), or its most current version.</i></p>	
<p>The Feral Pig Management Offset Strategy addressed the department's Threat Abatement Plan for Predation, Habitat Degradation, Competition And Disease Transmission By Feral Pigs, (Section 5 and Appendix C) and the Humane Pest Animal Control: Code of Practice And Standard Operating Procedures (Section 6 and Appendix D) and was approved by the Minister via letter from DoEE on 8 July 2016 as satisfying this condition.</p>	Compliant and Complete (2017)

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<b>Condition 47 EPBC 2010/5642</b> <i>The findings from the Feral Pig Management Offset Strategy must be used to inform the Marine and Shipping Management Plan at Condition 5 on an ongoing basis.</i>	
<p>The Operational Marine and Shipping Management Plan was completed in October 2018. The Reference is made to the Feral Pig management Offset includes the latest turtle survey results required by the Feral Pig Management Offset Strategy showing that the turtle survey results are used to inform the Operational Marine and Shipping Management Plan management measures.</p>	<p>Compliant and Complete (2019)</p>
<b>Condition 48 EPBC 2010/5642</b> (Variation dated 3 June 2014) <i>The Feral Pig Management Offset Strategy must be submitted to the Minister for approval at least 6 months prior to the commencement of the action. The commencement of the action must not occur until the Feral Pig Management Offset Strategy has been approved by the Minister.</i>	
<p>The Feral Pig Management Offset Strategy was first submitted to the Minister on 23 December 2014. Commencement of the Action occurred on 12 May 2016 with commencement of Construction, not Preliminary Works, as defined in EPBC 2010/5462. The Feral Pig Management Offset Strategy (with a commitment to resubmit with a detailed implementation plan when developed) was approved by the Minister on 25 August 2015.</p>	<p>Compliant and Complete (2017)</p>
<b>INSHORE DOLPHIN OFFSET STRATEGY</b>	
<b>Condition 49 EPBC 2010/5642</b> <i>The approval holder must implement an Inshore Dolphin Offset Strategy to inform knowledge about the distribution and abundance of local and regional populations of listed dolphin species in the Western Cape York area, and identification of habitat utilised by listed dolphin species.</i>	
<p>The third annual survey during the construction period was conducted from 14 to 27 October 2017. The third construction survey was completed in accordance with the survey methodology within the approved Strategy. The survey methodology, summary of the results and analysis conducted to date have been published on the Amrun Project website (Blue Planet Marine 2019). The surveys will continue to inform knowledge about the distribution and abundance of local and regional</p>	<p>Compliant</p>

Condition / Compliance Status	Compliance Finding (Year first reported complete)
populations of listed dolphin species in the Western Cape York area, and identification of habitat utilised by listed dolphin species.	
<b>Condition 50 EPBC 2010/5642</b> <i>The Inshore Dolphin Offset Strategy must be implemented at a minimum, in the marine environment between latitude 12.60°S and latitude 13.35°S and must include provision for the Inshore Dolphin Offset Strategy actions to be undertaken prior to construction, during construction and periodically after construction (for a minimum period of 13 years following the commencement of construction, but not necessarily every year) of the Boyd Port and river facilities.</i>	
<p>The Inshore Dolphin Offset Strategy survey schedule (Section 3.2.9) includes:</p> <ul style="list-style-type: none"> <li>• one survey prior to the commencement of the action (pre-construction survey; completed);</li> <li>• three annual surveys during the initial construction period (completed);</li> <li>• one survey to be conducted within 12 months of bauxite shipping from Boyd Port becoming fully operational (scheduled for October 2019); and,</li> <li>• one additional survey after the initial operational survey (to be conducted within 10 years of bauxite shipping from Boyd Port becoming fully operational). The timing and intensity of this survey will be determined based on the results of previous surveys.</li> </ul> <p>The third annual survey during the construction period was conducted from 14 to 27 October 2018. Therefore by the end of the reporting period the Baseline Survey and the construction surveys during the construction period have been completed. All surveys were conducted within the study area between the latitudes 12.60°S and latitude 13.35°S.</p>	Compliant
<b>Condition 51 EPBC 2010/5642</b> <i>The Inshore Dolphin Offset Strategy must contribute to independent research on listed dolphin species, and specify targeted outcomes, benchmarks, readily measureable performance indicators and goals, timeframes for reporting and implementation, and the person/s roles with responsibility for implementing actions. The Inshore Dolphin Offset Strategy must provide information detailing Traditional Owner employment opportunities, and mechanisms for reporting the number of local indigenous person/s actually employed in the implementation of this Strategy (consistent with condition 42).</i>	

Condition / Compliance Status	Compliance Finding (Year first reported complete)
The Inshore Dolphin Offset Strategy addressed the requirements of this condition (Sections 3 to 7) and was approved by the Minister via letter from the DoEE on 28 July 2015 as satisfying this condition.	Compliant and Complete (2017)
<b>Condition 52 EPBC 2010/5642</b> <i>The Inshore Dolphin Offset Strategy must be developed in consultation with the department.</i>	
<p>The Inshore Dolphin Offset Strategy was first submitted to DoEE on 04 December 2014. DoEE provided comments on the Inshore Dolphin Offset Strategy on 08 January 2015 and the Strategy was updated in response to DoEE comments. The final Inshore Dolphin Offset Strategy was submitted on 27 January 2015 and approved by DoEE on 28 July 2015 as satisfying the requirements of this condition.</p> <p>Section 1 of the Inshore Dolphin Offset Strategy states that the Strategy has been developed in consultation with DoEE. Section 3.2.9 of the Inshore Dolphin Offset Strategy states that the survey schedule was developed based on consultation with the department on 18 September 2014.</p>	Compliant and Complete (2017)
<b>Condition 53 EPBC 2010/5642</b> <i>The approval holder must fund the Inshore Dolphin Offset Strategy to a minimum of \$800,000 (GST exclusive) and a maximum of \$1,200,000 (GST exclusive).</i>	
The current cost estimate for implementing the Inshore Dolphin Offset Strategy is estimated to be between \$800,000 and \$1,200,000.	Compliant
<b>Condition 54 EPBC 2010/5642</b> <i>The findings from the Inshore Dolphin Offset Strategy, including corrective actions and contingency measures relating to operations, must be used to inform the Marine and Shipping Management Plan at condition 5 on an ongoing basis.</i>	

Condition / Compliance Status	Compliance Finding (Year first reported complete)
The Operations Marine Shipping Management Plan has been informed by findings from Inshore Dolphin Offset Strategy, latest dolphin survey results required by the Inshore Dolphin Offset Strategy. These findings were referred to in Section(s) 5.1.3.1, 5.1.3.1 and considered in the development of management and monitoring requirements noted in Section 7.	Compliant
<b>Condition 55 EPBC 2010/5642</b> (Variation dated 3 June 2014) <i>The Inshore Dolphin Offset Strategy must be submitted to the Minister for approval at least 6 months prior to the commencement of the action. The commencement of the action must not occur until the Inshore Dolphin Offset Strategy has been approved by the minister.</i>	
<p>The Inshore Dolphin Offset Strategy was submitted on 4 December 2014 and approved by the Minister via letter from DoEE on 28 July 15.</p> <p>Commencement of the Action occurred on 12 May 2016 with commencement of Construction, not Preliminary Works, as defined in the EPBC Act Approval EPBC 2010/5462.</p>	Compliant and Complete (2017)
<b>PUBLICATION REQUIREMENTS</b>	
<b>Condition 56 EPBC 2010/5642</b> <i>All survey data and methodology collected for the project must be recorded in accordance with approved management plans. When requested by the department, the approval holder must provide to the department survey data and information related to matters of national environmental significance. This information must be provided within 30 business days of request, or in a timeframe agreed to by the department in writing. The department may use the survey data for other purposes. The approval holder must also provide the survey data and methodology, within 30 business days, to anyone who requests the survey data and methodology in writing. Notification of the availability of the survey data and methodology must be provided on the approval holder's website for the duration of this approval.</i>	
All survey data and methodology collected for the Project during the reporting period (13 May 2018 to 12 May 2019) has been recorded in accordance with the approved management plans or strategies. No official requests for records were made by the Department within the reporting period.	Compliant

Condition / Compliance Status	Compliance Finding (Year first reported complete)
The Amrun Project website includes a notification and provides an email address for requesting survey methodology and data.	
<b>Condition 57 EPBC 2010/5642</b> <i>Every 12 months after the commencement of the action, unless otherwise agreed to in writing by the Minister, the approval holder must publish on their website, for the duration of the project (including decommissioning), all the survey methodology, reports and related analysis of survey data for current program/s, plants, strategies or other conditions specified in this approval for each individual matter of national environmental significance. The department must be notified within ten (10) business days of publication.</i>	
<p>All survey methodology, reports and/or survey data for the following programs conducted during the 2018 – 2019 reporting period were published on the Amrun Project website on 11 August 2017 in conjunction with the 2019 annual compliance report:</p> <ul style="list-style-type: none"> <li>• Pre-disturbance Program Annual Report 2018 - 2019;</li> <li>• Weed Survey Report 2018;</li> <li>• Feral Animal Monitoring Report Annual Report 2017 - 2018;</li> <li>• Inshore Dolphin Offset Strategy Survey Reporting 2014- 2018;</li> <li>• Marine Pest Settlement Plate Monitoring Annual Report 2018 - 2019; and</li> <li>• Marine Turtle Nesting Survey Report 2018</li> </ul>	Compliant
<b>Condition 58 EPBC 2010/5642</b> <i>Within five (5) business days from this approval, the approval holder must publish the Final Environmental Impact Statement on their website for the duration of the project, including decommissioning.</i>	
The Final EIS (Commonwealth) was published on the website by the 9 April 2013. EPBC Act Approval EPBC 2010/5462 was granted on the 14 May 2013.	Compliant and Complete (2017)



Condition / Compliance Status	Compliance Finding (Year first reported complete)
<p>The Final EIS is available on the website.</p> <p><a href="http://www.riotinto.com/australia/commonwealth-eis-16118.aspx">http://www.riotinto.com/australia/commonwealth-eis-16118.aspx</a></p>	
<p><b>Condition 59 EPBC 2010/5642</b></p> <p><i>Unless otherwise agreed to in writing by the Minister the approval holder must publish, for the life of the project including decommissioning, all current approved programs/s, plan/s, review/s (including the Independent Peer Reviews) or strategies referred to in these conditions of approval on their website. Each of the approved program/s, plan/s or strategies (including revised versions) must be published on the approval holder's website within one (1) month of approval.</i></p>	
<p>All current approved Management Plans and Strategies are published on the Amrun Project website.</p> <p><a href="http://www.riotinto.com/australia/reports-and-publications-16120.aspx">http://www.riotinto.com/australia/reports-and-publications-16120.aspx</a></p> <p>The Operational Marine and Shipping Management Plan was approved by the Minister via letter from DoEE on 2 October 2018, and was published on the Amrun Project Website by 08 October 2018.</p> <p>The Rehabilitation Strategy, long term Maintenance Dredging Management Plan and Maintenance Dredging Management Plan – River Facilities have not yet been prepared.</p>	Compliant
<p><b>INDEPENDENT REVIEW REQUIREMENTS</b></p>	
<p><b>Condition 60 EPBC 2010/5642</b></p> <p><i>Unless otherwise agreed in writing by the Minister, each program/s, plan/s, or strategies specified in the conditions must be independently peer reviewed prior to submission to the Minister for approval. The approval holder must nominate an Independent Peer Reviewer to the Minister. The person/organisation/technical committee conducting the independent peer review must be approved by the Minister, prior to the commencement of the review. The independent peer review criteria must be agreed to by the Minister and any reviews undertaken must address the criteria to the satisfaction of the Minister.</i></p>	
<p>The independent peer reviews for each plan are published on the website.</p> <p><a href="http://www.riotinto.com/australia/reports-and-publications-16120.aspx">http://www.riotinto.com/australia/reports-and-publications-16120.aspx</a></p>	Compliant

Condition / Compliance Status	Compliance Finding (Year first reported complete)
Rehabilitation Strategy and, long term Maintenance Dredging Management Plan and Maintenance Dredging Management Plan – River Facilities have not yet been prepared.	
<b>Condition 61 EPBC 2010/5642</b> <i>The reviews undertaken for condition 60 must include an analysis of the effectiveness of the avoidance and mitigation measures in meeting the objectives, targets or management measures identified in the program/s, plants or strategies being reviewed.</i>	
<p>During the reporting period (12 May 2018 to 12 May 2019) the Independent Peer Review of the Operations Marine and Shipping Management Plan was approved by the Minister via letter from DoEE on 02 October 2018 as satisfying this condition.</p> <p>Rehabilitation Strategy and long term Maintenance Dredging Management Plan and Maintenance Dredging Management Plan – River Facilities have not yet been prepared. The Operations Marine and Shipping Management Plan was not finalised prior to the end of the reporting period.</p>	Compliant
<b>Condition 62 EPBC 2010/5642</b> <i>Unless otherwise specified in these conditions or notified in writing by the Minister, the approval holder must provide to the Minister, a copy of all advice and recommendations made by the Independent Peer Reviewer for program/s, plants, or strategies, and an explanation of how the advice and recommendations will be implemented, or an explanation of why the approval holder does not propose to implement certain recommendations.</i>	
<p>During the reporting period (12 May 2018 to 12 May 2019) the Independent Peer Review of the Operational Marine and Shipping Management Plan and RTA Weipa Pty Ltd's response to the peer review was submitted to the Minister on 09 August 2018.</p> <p>Rehabilitation Strategy, long term Maintenance Dredging Management Plan and Maintenance Dredging Management Plan – River Facilities have not yet been prepared. The Operations Marine and Shipping Management Plan was not finalised prior to the end of the reporting period.</p>	Compliant
<b>MINIMUM TIMEFRAME FOR CONSIDERATION</b>	

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<p><b>Condition 63 EPBC 2010/5642</b></p> <p><i>If the Minister is not satisfied that the final revised version of the plan/s, program/s or strategies specified in this approval adequately addresses the condition/s specified in the approval, the approval holder will be notified in writing by the Minister that they must update a plan/s, program/s or strategies to meet the condition/s that have not been adequately addressed.</i></p>	
The Minister did not provide any notification in accordance with this condition during the report period.	Not Applicable
<p><b>Condition 64 EPBC 2010/5642</b></p> <p><i>For any plan/s and/or strategy specified in this approval that is to be approved by the Minister, the approval holder must ensure the Minister is provided at least 60 business days for review and consideration of the programs/s, plan/s, or strategies specified in this approval, unless otherwise agreed in writing by the Minister. This does not apply to urgent changes required to protect the environment or repair or mitigate any damage that may or will be, or has been, caused by the action to any matter protected by Part 3 of the EPBC Act for which the approval has effect.</i></p>	
During the reporting period (12 May 2018 to 12 May 2019) the Maintenance Dredge Management Plan – Port was submitted to the Minister on 25 November 2017. The Minister was not requested to approve the plan sooner than 60 business days. The Minister approved the Maintenance Dredge Management Plan – Port on 15 March 2018.	Compliant
<p><b>Condition 65 EPBC 2010/5642</b></p> <p><i>To avoid duplication, the approval holder may provide the Minister with any plan/s, program/s or strategies prepared for the State provided the plan/s, program/s or strategies meets the conditions specified in this approval. The plan/s, program/s or strategies must include a cross reference table that clearly identifies:</i></p> <p><i>a. the condition specified in this approval for which the plan/s, strategy or program/s is being provided; and</i></p> <p><i>b. the relevant folder, chapter, section number and page number in the plan/s, program/s or strategies where the condition has been addressed.</i></p>	
All plans and strategies required by this approval include a cross-reference table that clearly identifies the conditions of the approval for which the plan is prepared and where the conditions of this approval are addressed in the plan. The relevant cross-reference tables are identified below.	Compliant

Condition / Compliance Status	Compliance Finding (Year first reported complete)
SoE Project Inshore Dolphin Strategy Table 1. SoE Project Construction Marine and Shipping Management Plan Table 1. SoE Project Operations Marine and Shipping Management Plan Table 1 Dredge Management Plan – Port Table 1. Dredge Management Plan – River Facilities Table 1. Feral Pig Management Offset Strategy Table 1. Terrestrial Management Plan Table 1. Temporary Barge Plan Table 1. Maintenance Dredge Management Plan – Port Table 1	
<b>GENERAL</b>	
<b>Condition 66 EPBC 2010/5642</b> <i>Within ten (10) days after the commencement of preliminary works, construction, operation and/or commencement of the action, the approval holder must advise the Minister in writing of the actual date of commencement.</i>	
Preliminary works commenced 21 October 2015, outside of the period of this audit report.	Compliant and Complete (2017)
Commencement of the Action occurred on 12 May 2016 with commencement of Construction, not Preliminary Works, as defined in EPBC 2010/5462. Notification of commencement of the action and construction was provided to the Minister on 18 May 2016. This notification was provided within 10 days.	Compliant and Complete (2017)
Operations commenced on 02 December 2018. Notification was completed on 07 December 2018. This notification was provided within 10 days.	Compliant and Complete (2018)

Condition / Compliance Status	Compliance Finding (Year first reported complete)
Commencement of the Action occurred on 12 May 2016 with commencement of Construction, not Preliminary Works, as defined in EPBC 2010/5462. Notification of commencement of the action and construction was provided to the Minister on 18 May 2016. This notification was provided within 10 days.	Compliant and Complete (2017)
<b>Condition 67 EPBC 2010/5642</b> <i>The approval holder must maintain accurate records substantiating all activities associated with or relevant to the conditions of approval, including measures taken to implement the plan/s or strategies as specified in these conditions and make them available upon request to the department. Such records may be subject to audit by the department or an independent auditor in accordance with section 458 of the EPBC Act, or used to verify compliance with the conditions of approval. Summaries of audits will be posted on the department's website. The results of audits may also be published through the general media.</i>	
Accurate records of activities have been maintained during the reporting period. No request has been made by the Department to make records available. No audits were conducted during the period of this report (12 May 2017 to 12 May 2018).	Compliant
<b>Condition 68 EPBC 2010/5642</b> <i>Within three (3) months of every 12 month anniversary of commencement of the action the approval holder must publish a report on their website, for the duration of the project including decommissioning, addressing compliance with the conditions of this approval over the previous 12 months, including implementation of any management plan/s or strategies as specified in the conditions. Non-compliance with any of the conditions of this approval must be reported to the department at the same time as the compliance report is published. Within five (5) days after publication, the person taking the action must provide the Minister with a copy of the report/s.</i>	
Commencement of the Action occurred on 12 May 2016 with commencement of Construction, not Preliminary Works, as defined in EPBC 2010/5462. Compliance reports are required to be published by 12 August each year from 2017. Publication dates are as follows: <ul style="list-style-type: none"> <li>• 2016 – 2017 - first compliance report – 11 August 2017; and</li> <li>• 2017 – 2018 - second compliance report – 12 August 2018</li> </ul>	Compliant

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<a href="http://www.riotinto.com/australia/reports-and-publications-16120.aspx">http://www.riotinto.com/australia/reports-and-publications-16120.aspx</a>  This report forms the third compliance report and has been prepared prior to 12 August 2019 in order to allow for publishing by 12 August 2019 and submission to DoEE.	
<b>Condition 69 EPBC 2010/5642</b>  <i>Every three years from the date of this approval, the approval holder must ensure that an independent audit of compliance with the conditions of approval is conducted and a report submitted to the Minister. The independent auditor must be approved by the Minister prior to the commencement of the audit. Audit criteria must be agreed to by the Minister and the audit report must address the criteria to the satisfaction of the Minister.</i>	
<p>The first independent audit of compliance was conducted 3-12 May 2016 (Arden 2016), and submitted to the Minister on 25 May 2016 prior to the report period.</p> <p>The second independent audit was completed in April 2019, at the Amrun Operations, by an independent auditor, Arden Group Pty Ltd. The Audit found that the Condition of the EPBC Approval 2010/5642 and Sea Dumping Permits 2010/1762 and 2017/3722 were in compliance. The report was submitted to the Department of Environment and Energy on the 16<sup>th</sup> of May 2019.</p> <p>One non-compliance was identified relating to the submission for the 2016 annual report to the International Maritime Organisation, as required by SD2010-1762 condition 26. This condition requires the report to be provided by 31<sup>st</sup> January 2017, however was not submitted until 24/2/2017. This was reported to the Department of Environment and Energy in the 2017 Annual Compliance Report.</p> <p>No independent audits were required or conducted during the report period of (12 May 2017 to 12 May 2018).</p>	Compliant
<b>Condition 70 EPBC 2010/5642</b>  <i>For the purposes of reporting at Condition 68, where material required under condition 41 and Condition 42 is culturally sensitive and cannot be disclosed at the explicit and written consent of the relevant Indigenous people with rights, claims or interests in the area, the approval holder must advise the department of the extent to which it cannot comply with condition 41 and Condition 42 or that reason.</i>	
There have been no examples during the reporting period where material is culturally sensitive and cannot be disclosed.	Not Applicable

Condition / Compliance Status	Compliance Finding (Year first reported complete)
<p><b>Condition 71 EPBC 2010/5642</b></p> <p><i>Where the conditions require the approval holder to submit a program/s, plan/s or strategies for the Minister's approval, the approval holder must maintain a register recording:</i></p> <ul style="list-style-type: none"> <li><i>a. the date on which each plan was approved by the Minister;</i></li> <li><i>b. if a plan has not been approved, the date on which it was, or is expected to be, submitted to the Minister;</i></li> <li><i>c. the dates on which reports on the outcomes of reviews have been approved by the Minister; and,</i></li> <li><i>d. the dates on which the subsequent reviews are due.</i></li> </ul> <p><i>The register must be submitted to the department, at the time the annual compliance report is published, but does not form part of the report.</i></p>	
<p>A Register of all approval, submission and review dates for all management plans, strategies and management plan reviews is maintained and was provided to DoEE on 14 August 2018. The register will again be provided to DoEE with this 2019 Annual Compliance Report.</p>	<p>Compliant</p>
<p><b>Condition 72 EPBC 2010/5642</b></p> <p><i>If the approval holder wishes to carry out any activity otherwise than in accordance with a programs/s, plan/s or strategies as specified in the conditions, the approval holder must submit to the department for the Minister's written approval a revised version of that programs/s, plan/s or strategies. The varied activity must not commence until the Minister has approved the varied programs/s, plan/s or strategies writing. The Minister will not approve a varied programs/s, plan/s or strategies unless the revised programs/s, plan/s or strategies would result in an equivalent or improved environmental outcome over time. If the Minister approves the revised programs/s, plan/s or strategies they must be implemented in place of the plants or strategies originally approved.</i></p>	
<p>A revised version of the Construction Marine Shipping Management Plan was submitted to DoEE on 11 May 2017 and approved by the Minister on 26 July 2017 prior to the varied activities commencing.</p>	<p>Compliant</p>
<p><b>Condition 73 EPBC 2010/5642</b></p> <p><i>If, at any time after the first five (5) year anniversary of the date of this approval, the approval holder has not commenced the action, then the approval holder must not commence the action without the written agreement of the Minister.</i></p>	

Condition / Compliance Status	Compliance Finding (Year first reported complete)
Commencement of the Action occurred on 12 May 2016 with commencement of Construction, not Preliminary Works, as defined in EPBC 2010/5462. The Commencement of the Action is within the five year anniversary of the EPBC2010/5642 which was approved on 14 May 2013.	Compliant and Complete (2017)
<b>Condition 74 EPBC 2010/5642</b> <i>The financial cost of adhering to the conditions specified in this approval will be borne by the approval holder.</i>	
The financial costs of adhering to the conditions of EPBC Act Approval EPBC 2010/2456 have been borne by the approval holder. All compliance requirements have been addressed by RTA Weipa Pty Ltd staff or contractors or consultants engaged by RTA Weipa Pty Ltd.	Compliant
<b>Condition 75 EPBC 2010/5642</b> <i>If the Minister believes that it is necessary or convenient for the better protection of World Heritage properties (sections 12 &amp; 15A), National Heritage Place (section 15B &amp; 15C), Listed threatened species and communities (sections 18 &amp; 18A), Listed Migratory Species (section 20 &amp; 20A), Commonwealth Marine Area (sections 23 &amp; 24a) and Great Barrier Reef Marine Park (sections 24B and 24C) to do so, the Minister may request that the approval holder make specified revisions to the programs/s, plan/s or strategies specified in the conditions and submit the revised programs/s, plan/s or strategies for the Minister's written approval. The approval holder must comply with any such request. The revised approved programs/s, plan/s or strategies must be implemented. Unless the Minister has approved the programs/s, plan/s or strategies then the approval holder must continue to implement the programs/s, plants or strategies originally approved, as specified in the conditions.</i>	
No requests were received from the Minister during the report period.	Not Applicable
<b>Condition 76 EPBC 2010/5642</b> <i>The approval holder must undertake the action in accordance with, and ensure persons that are under the direction or control of the approval holder for the South of Embley Bauxite Mine and Port Development project comply with, the approved plan/s, program/s or strategies to avoid, mitigate, manage and offset impacts to outstanding universal value of the World Heritage properties (sections 12 &amp; 15A). National Heritage Place (section 15B &amp; 15C), Listed threatened species and communities (sections 18 &amp; 18A), Listed Migratory Species (section 20 &amp; 20A), Commonwealth Marine Area (sections 23 &amp; 24a) and Great Barrier Reef Marine Park (sections 24B and 24C).</i>	



Condition / Compliance Status	Compliance Finding (Year first reported complete)
All Project activities during the reporting period were undertaken, by all personnel, in compliance with the approved management plans and strategies to avoid, mitigate, manage and offset impacts on relevant Matters of National Environmental Significance listed in Condition 76.	Compliant

**Table 3: Construction and Operational Marine and Shipping Management Plan Compliance Status (12 May 2017 to 12 May 2018)**

Commitment	Status	Compliance Finding
<b>Mitigation and Management</b>		
Underwater Noise from Pile Driving	Refer to <b>Table 1</b> , Conditions 12 and 13 for compliance status for underwater noise from pile driving.	Compliant
Underwater Vessel Noise	<p>As outlined in the Construction Marine and Shipping Management Plan, all vessels implement the following underwater noise mitigation measures:</p> <ul style="list-style-type: none"> <li>undergo regular maintenance in accordance with manufacturer's specifications. Monthly inspection of records and vessels were completed by supervisors to confirm maintenance is being completed as required and vessels are in good working order;</li> <li>do not leave the vessel engines, thrusters or auxiliary plant in stand-by mode unnecessarily; and</li> <li>all vessels are clean prior to mobilisation.</li> </ul> <p>There were no reported breaches of implementation of the underwater noise mitigation measures during the reporting period.</p>	Compliant
Prevention of Marine Pollution	<p>All vessels operated in strict accordance with international and domestic waste legislation and regulations. Waste is delivered or transferred to barge where it is then transferred to an appropriate waste management or sewage treatment facility.</p> <p>There were no reported breaches of implementation of the waste management mitigation measures during the reporting period.</p>	Compliant
Spill Management Response	<p>All vessels implemented strict spill management controls as outlined in the both Shipping Management Plans. All vessels were inspected by the marine superintendent prior to mobilisation to site and were in good condition and completed regular maintenance.</p> <p>Regular spill management drills are completed. No spills to water were recorded during the reporting period.</p>	Compliant

Vessel Traffic Management	<p>As outlined in the Marine and Shipping Management Plans vessel traffic was required to comply with the following mitigation measures:</p> <ul style="list-style-type: none"> <li>all vessels had Automated Identification System (AIS) installed as per the harbour master request;</li> <li>all vessels operate in accordance with relevant legislation using the designated shipping channels for travel;</li> <li>vessels operate at a maximum speed of 6 knots in water depths below 2.5 m;</li> <li>all vessels have adequate lighting for safe operations; and</li> <li>vessel movements comply with all requests from Maritime Safety Queensland (MSQ) and all movements are called into Vessel Traffic Services (VTS).</li> </ul> <p>There were no reported breaches of implementation of the vessel traffic mitigation measures during the reporting period.</p>	Compliant
Vessel Strike Management	<p>As outlined in the Marine and Shipping Management Plans the following management measures are successfully implemented:</p> <ul style="list-style-type: none"> <li>all vessel masters or designated personnel must monitor for marine mammals and take evasive action as required;</li> <li>vessel master and relevant crew inducted on local marine fauna and requirements;</li> <li>vessel speed restricted to a maximum of 6 knots in water depths less than 2.5; and</li> <li>vessels following established transit lanes, established in-coordination with the harbour master which avoid shallow areas.</li> </ul> <p>Zero injuries to marine fauna due to the Project Activities were reported during the reporting period or to date for the Project.</p>	Compliant
Marine Pest Prevention and Response	<p>All vessels are risk assessed prior to mobilising to site by a trained and experienced marine biologist. Any vessel that is rated above a low risk must implement the assigned risk management measures which may include external cleaning, new antifouling applications, internal seawater systems treatment or physical inspection by trained personnel.</p> <p>There were no reported breaches of implementation of the marine pest management measures during the reporting period.</p>	Compliant
Lighting Management	<p>The Amrun Chith Export Facility was designed and constructed under the Project Environmental Design Criteria that includes specific lighting requirements and issued to the engineering design contractors. Specifically, the design criteria ensured that "low-pressure sodium vapour lamps, or other lighting demonstrated to have a low</p>	Compliant

	<p>impact on particularly Hawksbill, Flatback and Olive Ridley turtle species which are known to nest in the Weipa area, that are shielded and appropriately directed to minimise light spill, must be used on the coastal and marine structures”.</p> <p>There were no temporary facilities operating during the reporting period.</p> <p>There were no reported breaches of implementation of the lighting management measures during the reporting period.</p>	
<b>Monitoring</b>		
Piling Observation Zone monitoring	<p>Refer to <b>Table 1</b>, Conditions 12 and 13 for compliance status for underwater noise from pile driving.</p> <p>Piling exclusion and observation zone monitoring for marine piling activities has been completed by a trained marine fauna observer. All records are compiled in the relevant marine fauna observer databases.</p>	Compliant
Marine Pest Monitoring	<p>Quarterly marine pest settlement plate collections have occurred throughout the reporting period (13 May 2017 to 12 May 2018). On 24 May 2017 the project identified a single invasive marine pest (Asian Green Mussel, <i>Perna viridis</i>) during a scheduled marine pest survey in accordance with the Construction Marine and Shipping Management Plan. RTA has been working with the Department of Agriculture and Fisheries via Biosecurity Queensland who are responsible for investigating this incursion.</p> <p>No other incursions have been recorded.</p> <p>Marine pest settlement plate monitoring in the river continues to be operated by NQBPs existing program.</p>	Compliant
Marine Turtle Nest Surveys	<p>Marine turtle inspections were completed during the piling works by Traditional Owners through the LSMP and trained project staff.</p> <p>While a number of nests were recorded within the 100m exclusion zone these had all been fully predated prior to piling activities.</p>	Complaint
Elasmobranch Sightings	<p>River and marine based team members are informed about elasmobranchs as part of their marine specific inductions. No elasmobranch sightings have been recorded.</p>	Compliant
Foreshore Access Permit System	<p>The Foreshore Access Management Plan has been developed in accordance with Queensland Environmental Authority requirements. The Foreshore Access Management Plan includes procedures to manage access to</p>	Compliant

	foreshore areas within the Project area. The foreshore access permit system has been implemented for construction and recreational foreshore access.	
Feral Pig Management Offset Strategy	Compliance status of the Feral Pig Management Offset Strategy is address in <b>Table 1</b> , Condition 43 to 48 and <b>Table 6</b> below.	Compliant
Inshore Dolphin Offset Strategy	Compliance status of the Inshore Dolphin Offset Strategy is covered in <b>Table 1</b> , Conditions 49 to 55.	Compliant
Beach Erosion Monitoring	Beach erosion monitoring was completed quarterly during the reporting period at the Port. No beach erosion associated with project activities was recorded during this time. Erosion was recorded due to cyclonic activity which created a number of beach wash outs.	Complaint
Marine Debris Monitoring	Quarterly marine debris monitoring is completed as part of the zone inspections undertaken by Traditional Owners through the LSMP. No increase in marine debris has been observed. Beach clean-up is completed quarterly.	Compliant
Other Reporting	Compliance status for all reporting required for the Marine and Shipping Management Plans has been reported within <b>Table 1</b> , Conditions 66 to 72.  Marine Pest Monitoring Reports are published on the Amrun Project Website ( <a href="http://www.riotinto.com/australia/reports-and-publications-16120.aspx">http://www.riotinto.com/australia/reports-and-publications-16120.aspx</a> ).	Compliant
<b>Traditional Owner Employment Opportunities</b>	Traditional Owners Employment Opportunities during the reporting period included: <ul style="list-style-type: none"> <li>• marine pest settlement monitoring – port;</li> <li>• marine debris monitoring;</li> <li>• inshore dolphin monitoring;</li> <li>• feral pig control program;</li> <li>• annual marine turtle nesting surveys;</li> <li>• beach clean-ups; and</li> <li>• foreshore access including traditional owner presence for access of restricted cultural areas and Sunday beach days</li> </ul>	Compliant

**Table 4: Maintenance Dredge Management Plan – Port Compliance Status (12 May 2018 to 12 May 2019)**

Commitment	Status	Compliance Finding
<b>Management and Monitoring</b>		
Dredge Equipment and Operators	No dredging occurred during the reporting period.	Compliant
Water Quality	All dredging water quality monitoring requirements were completed prior to the period of this report (13 May 2017 to 12 May 2018).  Water quality reports are published on the Amrun website ( <a href="http://www.riotinto.com/australia/reports-and-publications-16120.aspx">http://www.riotinto.com/australia/reports-and-publications-16120.aspx</a> ).	Compliant
Marine Mammals and Turtles	No dredging occurred during the reporting period.	Compliant
Marine Pests	Quarterly marine pest monitoring checks have occurred throughout the reporting period (13 May 2017 to 12 May 2018). On 24 May 2017 the project identified a single invasive marine pest (Asian Green Mussel, <i>Perna viridis</i> ) during a scheduled marine pest survey in accordance with the Construction Marine and Shipping Management Plan. RTA has been working with the Department of Agriculture and Fisheries via Biosecurity Queensland who are responsible for investigating this incursion.  No other incursions have been recorded. Marine pest settlement plate monitoring in the river continues to be operated by NQBPs existing program. Marine pest monitoring reports are published on the Amrun Project website ( <a href="http://www.riotinto.com/australia/reports-and-publications-16120.aspx">http://www.riotinto.com/australia/reports-and-publications-16120.aspx</a> ).	Compliant
Underwater Noise	No dredging occurred during the reporting period.	Compliant
Vessel Traffic	No dredging occurred during the reporting period..	Compliant

Marine Pollution	No dredging occurred during the reporting period.	Compliant
Physical Disturbance	No dredging occurred during the reporting period.	Compliant
<b>Reporting</b>	<p>Compliance status for all reporting required for the Maintenance Dredge Management Plan - Port has been reported within <b>Table 1</b>, Conditions 24 to 27.</p> <p>Water quality and marine pest monitoring reports are available on the Amrun Project website.  <a href="http://www.riotinto.com/australia/reports-and-publications-16120.aspx">http://www.riotinto.com/australia/reports-and-publications-16120.aspx</a></p>	Compliant
<b>Training</b>	No dredging occurred during the reporting period.	Compliant
<b>Traditional Owner Employment Opportunities</b>	No dredging occurred during the reporting period.	Compliant

**Table 5: Terrestrial Management Plan Compliance Status (12 May 2018 to 12 May 2019)**

Commitment	Status	Compliance Finding
<b>Mitigation, Management and Monitoring</b>		
Siting of Infrastructure	Infrastructure has been located in order to minimise impacts on sensitive vegetation including minimising disturbance within buffers via a ground disturbance approval procedure and conducting pre-disturbance surveys. Compliance status of the SoE Environmental Buffer System and Pre-disturbance Program are detailed below.	Compliant
SoE Environmental Buffer System	<p>The Environmental Buffer System has been implemented in accordance with the processes described in Section 5.2 of the Terrestrial Management Plan. In relevant areas buffers have been ground-truthed by an experienced environmental professional and buffers have been integrated into a centralised spatial GIS database. Using this database, all vegetation clearance is assessed and authorised via a ground disturbance approval procedure.</p> <p>There were no reported breaches of implementation of the SoE Environmental Buffer System during the reporting period.</p> <p>The Environmental Buffer System requirements as defined within the Terrestrial Management Plan have been implemented during the reporting period.</p>	Compliant

Commitment	Status	Compliance Finding
Pre-disturbance Program	<p>Surveys to identify active nests of the Red Goshawk, Masked Owl, Rainbow Bee-eater, White-bellied Sea-eagle and Eastern Osprey were implemented prior to clearing of all vegetation defined within Condition 22 of EPBC 2010/5642 approval and Section 5.3 of the Terrestrial Management Plan.</p> <p>During the reporting period no buffers were required to be established around active nests identified during the Pre-disturbance Program Surveys.</p> <p>The following buffer was established during 2017 reporting period and was maintained into this reporting period (12 May 2018 to 12 May 2019) in general accordance with the Terrestrial Management Plan:</p> <ul style="list-style-type: none"> <li>• one Eastern Osprey nest near the Tailings Storage Facility footprint (this buffer is no longer required as the nest no longer active).</li> <li>• One brown flacon nest in mine clearing areas (this buffer is no longer required as the nest is no longer active)</li> </ul> <p>No breaches of the established buffer occurred during the reporting period.</p> <p>The Pre-disturbance Program Annual Report has been published on the Amrun Project website <a href="http://www.riotinto.com/australia/reports-and-publications-16120.aspx">http://www.riotinto.com/australia/reports-and-publications-16120.aspx</a>.</p>	Compliant
Fire Management Program	<p>During the reporting period development of the Fire Management Program was progressed during the reporting period. A fire management consultant was engaged early in 2017 and to develop and implement the following (in conjunction with Traditional Owners through the LSMP):</p> <ul style="list-style-type: none"> <li>• prepare a Fire Management Plan for the Amrun Project area for 2017 and 2018;</li> <li>• conduct workshops and training for LSMP crews; and</li> <li>• assist with the implementation of annual fuel reduction burns and monitoring requirements.</li> </ul> <p>The LSMP completed training in fire management and commenced burns in accordance with the Terrestrial Management Plan, also focussing around significant areas, such as Amban outstation and shell middens and the Norman Creek Offset Area. the 2018 burning program covered a significant proportion of sites with further training completed.</p>	Compliant
Weed Management Program	<p>During the reporting period the Weed Management Program was implemented by the Amrun Project construction and environmental teams and Traditional Owners through the LSMP.</p> <p>Weed management activities included:</p>	Compliant



Commitment	Status	Compliance Finding
	<ul style="list-style-type: none"> <li>washdown of all vehicles travelling into Amrun Project area, and verification by Project security through collection of weed certificates before permitting vehicle access;</li> <li>all wash-down facilities are self-contained, zero discharge facilities;</li> <li>annual weed survey (EES 2018) was conducted July 2018 by Amrun Project consultant ecologists. The 2018 weed survey included the annual weed survey as described within Section 5.5 of the Terrestrial Management Plan. The annual report includes mapping of weeds identified and has been published on the Amrun Project website <a href="http://www.riotinto.com/australia/reports-and-publications-16120.aspx">http://www.riotinto.com/australia/reports-and-publications-16120.aspx</a>;</li> <li>routine inspections are conducted in and around construction areas and access roads in the Amrun Project area including identification and reporting of weed occurrences;</li> <li>treatment of weeds was completed ongoing throughout the year using both manual and chemical treatments depending on the locations;</li> <li>a construction weed identification and reporting procedure has been developed along with training materials for Project construction personnel. Ongoing weed management training was completed with the LSMP; and</li> <li>annual and quarterly weed management activities were conducted during the reporting period.</li> </ul>	
Feral Pig Control Program	Compliance status for the Feral Pig Control Program has been reported within <b>Table 1</b> , Conditions 43 to 48 and <b>Table 6</b> below.	Compliant
Control of Feral Cats and Dogs	<p>The Terrestrial Management Plan indicated that an increase in scavenging opportunities in and around the camp and mine infrastructure area may lead to an increase in numbers of feral cats and dogs in these areas.</p> <p>The following feral cat and dog controls have been implemented:</p> <ul style="list-style-type: none"> <li>implementation of waste management procedures, including securely storing all food wastes, to minimise scavenging opportunities;</li> <li>workforce restriction on feeding wildlife;</li> <li>quarterly spotlighting inspections at the Amrun construction camp, Mine Infrastructure Area and Hey River Terminal from throughout the reporting period (13 May 2018 to 12 May 2019);</li> <li>dog trapping in consultation through the LMSP program; and</li> </ul>	Compliant

Commitment	Status	Compliance Finding
	<ul style="list-style-type: none"> <li>cat trapping through LSMP (no successful trapping events).</li> </ul> <p>Trapping events have been focussed on the areas of identification with two dogs successfully trapped and euthanised. A third animal was successful trapped and returned to their owner in Weipa The Feral Animal Monitoring Report has been published on the Amrun Project website (<a href="http://www.riotinto.com/australia/reports-and-publications-16120.aspx">http://www.riotinto.com/australia/reports-and-publications-16120.aspx</a>).</p>	
Water Management Measures	<p>In accordance with Section 5.8 of the Terrestrial Management Plan water management during Amrun Project work is implemented in accordance with the Environmental Authority (EPML00725113) administered by the Queensland Department of Environment and Heritage Protection. Water management measures (Section 5.8 Terrestrial Management Plan) included:</p> <ul style="list-style-type: none"> <li>stormwater, erosion and sediment control measures;</li> <li>construction water and sewage management measures and monitoring requirements;</li> <li>implementation of buffer system (as stated in SOE Environmental Buffer System above);</li> <li>Arraw Dam (formerly Dam C) design and construction requirements; and</li> <li>hydrocarbon management.</li> </ul> <p>During the reporting period two minor breaches of the water management measures occurred. Both incidents involved an exceedance of water quality limits of the Queensland Environmental Authority during a release from the Mine Infrastructure Area slot. Both incidents were investigated in accordance with the Terrestrial Management Plan, appropriate mitigation measures were identified through the investigations and have been implemented. No environmental harm was identified as a result of the incidents. No impacts to habitats of listed threatened or migratory species were identified and there were no measurable impacts to Matters of National Environmental Significance related to water management during the reporting period.</p>	Compliant
Dust Management Measures	<p>The following dust abatement measures have been implemented to minimise airborne dust and the potential effects of settled dust on individual plants:</p> <ul style="list-style-type: none"> <li>environmental buffers have been implemented (as stated in SOE Environmental Buffer System above);</li> <li>minimising disturbance within buffers via a ground disturbance approval procedure;</li> <li>implementation of low vehicle speeds on all unsealed roads for safety management; and</li> <li>haul road watering including use of treated effluent from the construction camp sewage treatment plant.</li> </ul>	Compliant

Commitment	Status	Compliance Finding
	There were no reported breaches of implementation of the dust management measures during the reporting period and no measurable impacts to Matters of National Environmental Significance related to dust management during the reporting period.	
Translocation/ Propagation Program	<p>A Terrestrial Biodiversity Offset Plan was produced in November 2016 in accordance with Queensland Environmental Authority.</p> <p>Further taxonomic investigations of the Chocolate Tea-Tree Orchid were conducted during the reporting period following a change in the taxonomy of the species in 2015. A specific survey was conducted on 17 August 2016 by Dr Michael Mathieson, Curator of Orchidaceae, Queensland Herbarium. The survey confirmed that no specimens of the Chocolate Tea Tree Orchid (<i>Dendrobium johannis</i>) were identified. Furthermore, it appears all orchids identified as <i>Dendrobium johannis</i> at the time of the South of Embley EIS (RTA 2013) are now correctly identified as <i>Dendrobium trilamellatum</i>. No translocation and propagation activities are required for <i>Dendrobium trilamellatum</i> orchids.</p> <p>Propagation activities for the Cooktown Orchid (<i>Dendrobium biggibum</i>) commenced during the reporting period. A pilot propagation exercise using the Cooktown Orchid was commenced during 2016 with collection of seed capsules from the Amrun Project area and commencement of propagation within a specialist orchid nursery off-site. During the reporting period the orchid seed capsules germinated within the off-site nursery. Some of these plants achieved a suitable stage of maturity and subsequently transported into RTA Weipa's on-site nursery. Residual plants are still under care in the offsite nursery.</p> <p>No Cooktown Orchids or Chocolate Tea-Tree Orchids were identified within the Arraw Dam (Dam C) footprint prior to clearing despite extensive periods of observation and multiple inspections during the anticipated flowering season of the orchids prior to clearing.</p>	Compliant
Bare-rumped Sheath-tail Bat Surveys and Research Program	Compliance status of the Bare-rumped Sheath-tail Bat Surveys and Research program is reported within <b>Table 1</b> , Conditions 31 and 32.	Compliant
Rehabilitation Strategy	Not Applicable Refer to Conditions 33 to 40 ( <b>Table 1</b> ) for compliance status.	Not Applicable
Reporting	Compliance status for all reporting required for the Terrestrial Management Plan has been reported in <b>Table 1</b> , Conditions 32, 56 to 59.	Compliant

Commitment	Status	Compliance Finding
<b>Traditional Owner Employment Opportunities</b>	<p>Traditional Owner employment opportunities were provided through the LSMP. In accordance with Section 8 of the Terrestrial Management Plan. Traditional Owner employment opportunities include:</p> <ul style="list-style-type: none"> <li>• feral cat and dog monitoring and control;</li> <li>• annual and intermittent weed surveys;</li> <li>• weed control (manual and spraying);</li> <li>• feral pig control program (baiting and assistance with carcass removal from beach); and</li> <li>• fire management burns.</li> </ul> <p>Rehabilitation activities have not commenced during the reporting period and therefore seed collection associated with rehabilitation have not commenced.</p>	Compliant

**Table 6: Feral Pig Management Offset Strategy Compliance Status (12 May 2018 to 12 May 2019)**

Commitment	Status	Compliance Finding
<b>Mitigation and Management</b>		
Implementation Plan Development	<p>The following actions were undertaken prior to the feral pig control program during the reporting period.</p> <ul style="list-style-type: none"> <li>• safety risk assessment of use of firearms on the mining lease and aviation safety for helicopter activities;</li> <li>• evaluation of availability of aircraft suitably certified to Rio Tinto aviation standards;</li> <li>• confirmation of availability of suitably experienced individuals and resources to implement the Program during the August/September peak nesting season;</li> <li>• consultation with RTA's contracted Feral Pig Experts Feral Vertebrate Reduction Contracting</li> <li>• Review of the NSW Model Code of Practice and Standard Operating procedures. Key requirements in regard to aerial shooting were incorporated into the shooting contractor Scope of Work. Key requirements for pig baiting were incorporated into operational procedures for LSMP pig baiting activities.</li> <li>• Development and planning of increased shooting plan for implementation during 2019.</li> </ul>	Compliant
Aerial Shooting	The third aerial shooting program was conducted over 4 days (28 to 31 July 2018) on the Northern, Boyd Bay, Thud-Norman, Amban, Southern Beach Sections, as well as the waterholes shown in Figure 1 of Appendix D of the Feral Pig Management Offset Strategy.	Compliant

	<p>Aerial shooting was restricted due to safety risks in close proximity to the active construction areas on the Boyd-Bay, Boyd – Pera and Pera – Thud and the northern section of the Thud – Norman Beach Sections Ground based shooting with bait stations was instead used in these areas.</p> <p>An initial overview flight was conducted the day before shooting with sightings of male boars and general pig ‘mob’ movements noted in various sections across the lease and target areas. An assessment team consisting of the Amrun environmental specialists, aerial shooters and pilot, determined that the program was to initially focus upon the beach frontage to confirm if any pigs were present and then implement an adaptive program of targeting the available inland water sources. The shooting activity was implemented as a low level (tree top) and low speed procedure. A total of 300 pigs were culled during the control program with approximately 232 mature male boars culled. The aerial shooting program was considered successfully implemented.</p>	
Ground Shooting	<p>Ground based shooting was completed at the Boyd Bay, Boyd – Pera, Pera – Thud Beach Sections over 4 days (4 to 7 August 2017). Ground shooting was implemented at these beach sections based on the proximity to active construction activities and inability to undertake day time aerial activities in these areas. Bait stations were set at these locations to encourage pig use during this time</p> <p>Eleven pigs including 5 large boars were shot during the period. These animals were all previously identified on the bait cameras and ranged between Boyd and Pera Beach Sections</p> <p>Ground shooting is identified within the Feral Pig Management Offset Strategy as a contingency measure to be implemented if aerial shooting cannot be conducted. Ground shooting was considered successfully implemented.</p>	Compliant
Feeding Stations	<p>The 2018 feral pig baiting program continued to use adaptive management to maximise the effectiveness of the baiting program. In 2018 after using the most successful baits identified in 2017 (molasses and cracked corn) the baiting was trialled to be combined with the ground based shooting program to create congregation areas for targeting by the shooters. The combination of the programs were exceptionally successful with 100% of pigs identified in reconnaissance eliminated and over 5.5 times the kills completed.</p> <p>The 2018 program was initiated from 14 July to 14 November 2018 with a total of 13 bait stations set over the two stage program:</p> <ul style="list-style-type: none"> <li>• 14/07 – 08/07 combined shooting and baiting program (stage 1)</li> <li>• 08/07 – 14/11 – baiting only (stage 2)</li> </ul> <p>Eleven pigs were killed during stage 1.</p> <p>No pigs were killed during stage 2. Regular pig presence and uptake of PIGGOUT baits was poor throughout the program. While sufficient baits were placed they were field observations and footage recorded pigs has consumed some of the baits however all pigs returned the following day. Based on information from all years it is likely because of the regurgitation of</p>	Compliant

	<p>some of the baits or the effectiveness of the bait may have been compromised due to heat degradation on bait, volume ingested or potentially the impact of molasses on integrity of wax pill.</p> <p>Based on the success of the combination of the bait stations and ground based shooting in 2019 this combination will be utilised instead of using 1080. This combination was shown to be more time and cost effective with kills easily identifiable. A total of twenty days of ground based shooting has been scheduled in May, July, August and September. If additional pigs are recorded 1080 will be utilised as necessary.</p>	
<b>Monitoring</b>		
Turtle nest monitoring	<p>The annual marine turtle nest survey was conducted over 11 days between 25 August – 05 September 2018 on all nesting beaches between Winda Winda Creek and Ina Creek, coinciding with the peak nesting season (August-September). The survey methodology was implemented generally in accordance with the baseline survey (Appendix A of the Feral Pig Management Offset Strategy).</p> <p>The primary objective of this marine turtle nesting survey was to obtain sufficient data to detect long-term trends in nest predation rates by feral pigs. The overall rate of predation of marine turtle nests was 70%, with confirmed predation by feral pigs at 93% (Pendoley Environmental 2019).</p>	Compliant
Feral pig monitoring	In accordance with Section 3 of Appendix D of the Feral Pig Management Offset Strategy feral pig activity was recorded during the aerial shooting program and bait station camera monitoring. The high pig activity areas were mapped and pigs culls recorded by beach section. Pig numbers and biological monitoring are reported for each bait station camera along with a visitation index.	Compliant
Scavenger activity monitoring	Monitoring of scavenger activity was completed by general observations of Avian predators by the LSMP team. All ground based shot pig carcasses were burnt as per the request of the traditional owners so no additional carcass monitoring was completed.	Compliant
<b>Reporting</b>	<p>The Feral Pig monitoring data obtained during the reporting period have been published on the Amrun Project website.</p> <p>The Pendoley Environmental Marine Turtle Nesting Surveys Report has been published on the Amrun Project website.</p> <p>This reports and data are available at <a href="http://www.riotinto.com/australia/reports-and-publications-16120.aspx">http://www.riotinto.com/australia/reports-and-publications-16120.aspx</a>.</p>	Compliant
<b>Traditional Owner Employment Opportunities</b>	In accordance with Section 9 of the Feral Pig Management Offset Strategy, and as identified above Traditional Owners were involved in implementation of the feral pig feeding stations, and marine turtle nest survey through the LSMP.	Compliant

Table 7: Sea Dumping Permit 2017/3722 Compliance Status (12 May 2018 to 12 May 2019)

<b>Sea Dumping Permit 20173722</b> Permit to load for the purposes of dumping, and to dump up to 92,000 cubic metres (in-situ) of dredged material, derived from maintenance dredging of the Amrun Port berth pocket and departure channel, Queensland, commencing on the date of signature of this permit and extending until 6 April 2021, subject to conditions which are specified in Appendices 1 and 2.			
Condition #	Condition	Status	Compliance Finding
1	Except so far as the contrary intention appears, terms used in the conditions to this permit have the same meaning as such terms in the Act.	Noted.	Compliant
2	RTA must ensure that no more than 92,000 cubic metres (in-situ) of material derived from maintenance dredging of the Amrun berth pocket and departure channel as specified in Figure 2 of the Application, is loaded and dumped.	No dredging occurred during the 2019 reporting period. Dredging for 2019 will be reported during the 2019-2020 annual report	Not Applicable
3	RTA must only dump within the disposal site.	No dredging occurred during the 2019 reporting period. Dredging for 2019 will be reported during the 2019-2020 annual report	Not Applicable
4	RTA must ensure that each load of dredged material is dumped so that the dumped material is evenly distributed over the whole disposal site.	No dredging occurred during the 2019 reporting period. Dredging for 2019 will be reported during the 2019-2020 annual report	Not Applicable
5	RTA must establish by GPS that, prior to dumping, the vessel is within the disposal site.	No dredging occurred during the 2019 reporting period. Dredging for 2019 will be reported during the 2019-2020 annual report	Not Applicable

6	RTA must undertake visual and satellite disposal plume monitoring to measure and record the extent of the disposal plume, to inform the ongoing management of maintenance dredge disposal.	No dredging occurred during the 2019 reporting period. Dredging for 2019 will be reported during the 2019-2020 annual report	Not Applicable
7	For 20 minutes prior to the commencement of the dumping activities, RTA must ensure that a check is undertaken, using binoculars from a high observation platform, for marine species within the monitoring zone.	No dredging occurred during the 2019 reporting period. Dredging for 2019 will be reported during the 2019-2020 annual report	Not Applicable
8	If any marine species are sighted in the monitoring zone, RTA must not commence dumping activities until either 20 minutes after the last marine species is observed in the monitoring zone, or the vessel has moved to another area of the disposal site where it can maintain a minimum distance of 300 metres between the vessel and any marine species.	No dredging occurred during the 2019 reporting period. Dredging for 2019 will be reported during the 2019-2020 annual report	Not Applicable
9	If, at any time during the course of the dumping activities, an environmental incident occurs or an environmental risk is identified, all reasonable measures must be taken immediately by RTA to minimise or mitigate the risk or the impact. RTA must provide a report on the environmental incident or environmental risk to the Department within 48 hours, with details of the incident or risk, the measures taken, the success of those measures in addressing the incident or risk and any additional measures proposed to be taken.	No dredging occurred during the 2019 reporting period. Dredging for 2019 will be reported during the 2019-2020 annual report	Not Applicable
10	RTA must document any incidents involving the dumping activities that result in injury or death to any marine species. The date, time and nature of each incident and the species	No dredging occurred during the 2019 reporting period. Dredging for 2019 will be reported during the 2019-2020 annual report	Not Applicable



	involved, if known, must be recorded, and the incident is to be reported to the Department within 48 hours.		
11	RTA must ensure that all persons engaged in the dumping activities under this permit, including the owner(s) and person(s) in charge of the vessel, comply with this permit and the requirements of the Act. The fulfilment of these conditions remains the responsibility of RTA.	No dredging occurred during the 2019 reporting period. Dredging for 2019 will be reported during the 2019-2020 annual report	Not Applicable
12	If requested by the Department, RTA must provide access for at least two nominees of the Department to witness, inspect, examine and/or audit any part of the operations, including any dumping activities or monitoring activities, the vessel or any other equipment, or any documented records. RT A must provide all reasonable assistance to the nominees of the Department for carrying out their duties.	No dredging occurred during the 2019 reporting period. Dredging for 2019 will be reported during the 2019-2020 annual report	Not Applicable
13	<p>13. RTA must make and retain records comprising either weekly plotting sheets or a certified extract of the ship's log which detail:</p> <p>a) the dates and times of when each dumping run commenced and finished;</p> <p>b) the position (as determined by GPS) of the dumping vessel at the beginning and end of each dumping run, including the path of each dumping run;</p> <p>c) the volume of dredged material (in-situ cubic metres) dumped and quantity in dry tonnes for the specified</p>	No dredging occurred during the 2019 reporting period. Dredging for 2019 will be reported during the 2019-2020 annual report	Not Applicable

	<p>operational period and compared to the total amount permitted under the permit on a daily basis;</p> <p>d) the person(s) undertaking the marine species observation required in Condition 7 and any marine species observed within the monitoring zone for each run, including the date, time and approximate distance from the vessel, and any action taken to comply with Condition 8;</p> <p>e) the person(s) undertaking the dredge plume monitoring required in Condition 6, the outcomes of the dredge plume monitoring for each run including the date, time and extent of the plume;</p> <p>f) the person(s) responsible for the operation of the vessel at any time during dumping activities.</p>		
14	RTA must retain the records required by Conditions 10, 13 and 16 for verification and audit purposes.	No dredging occurred during the 2019 reporting period. Dredging for 2019 will be reported during the 2019-2020 annual report	Not Applicable
15	<p>RTA must ensure that a bathymetric survey of the disposal site is undertaken by a suitably qualified person:</p> <p>a) prior to the commencement of dumping activities under this permit; and</p> <p>b). within 1 month of the completion of all dumping activities authorised under this permit.</p>	No dredging occurred during the 2019 reporting period. Dredging for 2019 will be reported during the 2019-2020 annual report	Not Applicable
16	Within 2 months of the final bathymetric survey being undertaken, RTA must provide a digital copy of each of the bathymetric surveys to the Australian Hydrographic Office.	A digital copy of the final bathymetric surveys were provided to the Royal Australian Navy Hydrographer on 13 June 2018. This was submitted through the Royal Australian Navy	Compliant

		electronic transfer system in accordance with advice from the Australian Hydrographic Service by the Principal Hydrographic Surveyor of Maritime Safety Queensland on behalf of RTA.	
17	RTA must provide a report on the bathymetry to the Department within 2 months of the final bathymetric survey being undertaken. The report must include a chart showing the change in sea floor bathymetry as a result of dumping activities and include written commentary on the volumes of dumped material that appear to have been retained within the disposal site.	The bathymetric report was submitted via letter to the DoEE Queensland Assessment and Sea Dumping Section on 4 July 2018.	Compliant
18	To facilitate annual reporting to the International Maritime Organization, RTA 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.	Dredging activity commenced on 1 May 2018, the first annual report under the Sea Dumping Permit SD2017/3722 was provided on 23 January 2019.	Compliant
Appendix 2	Sea Dumping Permit International Reporting Requirements – due 31 January each year.	Dredging activity commenced on 1 May 2018, the first annual report under the Sea Dumping Permit SD2017/3722 was provided on 23 January 2019.	Compliant

## 4 REFERENCES

Blue Planet Marine (2018). *Amrun Project 2017 Inshore Dolphin Survey Summary*. A report prepared for RTA Weipa Pty Ltd by Blue Planet Marine.

EES (2017). *Annual Weed Survey of the Amrun Project Area, June 2017*. Final Report prepared for Rio Tinto Amrun Project. 12<sup>th</sup> September 2017 EES Document No. 2017/05. Published: <http://www.riotinto.com/australia/reports-and-publications-16120.aspx>

Pendoley Environmental (2018). *Amrun Project Marine Turtle Nesting Surveys September 2018*. Report prepared for RTA Weipa Pty Ltd 9<sup>th</sup> April 2018. Published: <http://www.riotinto.com/australia/reports-and-publications-16120.aspx>

RTA (2013). *South of Embley Project Environmental Impact Statement*, March 2013. Published: <http://www.riotinto.com/australia/commonwealth-eis-16118.aspx>