



Works Approval

Environmental Protection Act 1986, Part V

Works Approval Holder: BC Pilbara Iron Ore Pty Ltd

Works Approval Number: W5654/2014/1

Registered office: Level 1, 15 Rheola Street
WEST PERTH WA 6005

ACN: 107 492 517

Premises address: Cape Preston East Crushing and Screening Unit
Within the following coordinates:
E419267.277 N7694661.992; E419238.234 N7694662; E419222.557
N7694454.765; E419285.544 N7694359.557; E419667.169 N7693844.852;
E420000 N7693466.636; E420263.063 N7693191.198; E420516.219
N7692948.057; E420628.601 N7692897.71; E420621.409 N7692833.877;
E420416.146 N7692796.406; E420181.741 N7692780.549; E420037.9
N7692854.65; E419855.34 N7692727.65; E419752.15 N7692418.08;
E419716.43 N7691898.18; E419758.67 N7691753.14; E419711.392
N7691584.893; E419964.129 N7690718.99; E419916.466 N7689744.881;
E420076.394 N7688963.359; E422077.003 N7687425.977; E423877.692
N7687425.977; E423879.417 N7679548.199; E424557.561 N7676164.459;
E424605.452 N7674678.123; E424867.556 N7673819.959; E424.43.464
N7672055.351; E423247.373 N7671561.34; E422224.837 N7670295.91;
E422158.325 N7684452.788; E421144.905 N7684448.026; E421133.306
N7685637.584; E419701.201 N7685625.182; E419701.188 N7685625.182;
E419687.089 N7688127.991; E419373.388 N7692301.127; E419409.961
N7692551.712; E419385.047 N7692931.971; E419025.922 N7693020.324;
E418999.646 N7693687.425; E418923.428 N7694159.626; E418874.604
N7694457.295; E418876.084 N7695145.381; E419135.109 N7695002.899;
E419224.093 N7694931.878; E419259.812 N7694878.524; E419282.892
N7694707.295; and E419267.277 N7694664.992
MARDIE WA 6714
as depicted in Schedule 1

Issue date: Thursday, 7 August 2014

Commencement date: Monday, 11 August 2014

Expiry date: Thursday, 10 August 2017



The following category/s from the *Environmental Protection Regulations 1987* cause this Premises to be a prescribed premises for the purposes of the *Environmental Protection Act 1986*:

Category number	Category description	Category production or design capacity	Approved premises production or design capacity
12	Screening etc. of material: premises (other than premises within category 5 or 8) on which material extracted from the ground is screened, washed, crushed, ground, milled, sized or separated	50,000 tonnes or more per year	2,500,000 tonnes per annual period

Conditions

This Works Approval is subject to the conditions set out in the attached pages.

Date signed: 12 November 2015

.....

Alana Kidd
Manager Licensing – Resource Industries
 Officer delegated under section 20
 of the *Environmental Protection Act 1986*



Works Approval Conditions

1 General

1.1 Interpretation

1.1.1 In the Works Approval, definitions from the *Environmental Protection Act 1986* apply unless the contrary intention appears.

1.1.2 In the Works Approval, unless the contrary intention appears:

'Act' means the *Environmental Protection Act 1986*;

'CEO' means Chief Executive Officer of the Department of Environment Regulation;

'CEO' for the purpose of correspondence means;

Chief Executive Officer
Department Administering the Environmental Protection Act 1986
Locked Bag 33
CLOISTERS SQUARE WA 6850
Email: info@der.wa.gov.au;

'Commissioning' means the process of operation and testing that verifies the works and all relevant systems, plant, machinery and equipment have been installed and are performing in accordance with the design specification set out in the works approval application;

'Premises' means the area defined in the Premises Map in Schedule 1 and listed as the Premises address on page 1 of the Works Approval;

'Schedule 1' means Schedule 1 of this Works Approval unless otherwise stated;

'Works Approval' means this Works Approval numbered W5654/2014/1 and issued under the Act; and

'Works Approval Holder' means the person or organisation named as the Works Approval Holder on page 1 of the Works Approval.

1.1.3 Any reference to an Australian or other standard in the Works Approval means the relevant parts of the standard in force from time to time during the term of this Works Approval.

1.1.4 Any reference to a guideline or code of practice in the Works Approval means the current version of the guideline or code of practice in force from time to time, and shall include any amendments or replacements to that guidelines or code of practice made during the term of this Works Approval.

1.2 General conditions

1.2.1 The Works Approval Holder shall construct the works in accordance with the documentation detailed in Table 1.2.1:



Table 1.2.1: Construction Requirements¹		
Document	Parts	Date of Document
Works Approval Application Form	All	3 April 2014
Mobile Crushing Facility Works Approval Application – Cape Preston East Project, prepared by Preston Consulting Pty Ltd for Iron Ore Holdings Pty Ltd	All, including Drawings and Appendices	3 April 2014
Application to transfer or amend a licence, works approval or registration – Form P4	All	22 June 2015
Email correspondence entitled “150622_DER_P4_W5654/2014/1 Premise Boundary Amendment – Emission Points, authored by Les Purves, BC Iron Limited	All	12 August 2015
Email correspondence entitled “FW: 150622_DER_P4_W5654/2014/1 Premise Boundary Amendment” authored by Les Purves, BC Iron Limited	All	13 October 2015

Note 1: Where the details and commitments of the documents listed in condition 1.2.1 are inconsistent with any other condition of this works approval, the conditions of this works approval shall prevail.

1.2.2 The Works Approval Holder shall commission the Cape Preston East Crushing and Screening Unit, for a period not exceeding 4 months.

2 Information

2.1 Reporting

2.1.1 The Works Approval Holder shall submit a compliance document to the CEO, following the construction of the works and 1 month prior to the completion of commissioning of the same.

2.1.2 The compliance document shall:

- (a) certify that the works were constructed in accordance with the conditions of the Works Approval; and
- (b) be signed by a person authorised to represent the Works Approval Holder and contain the printed name and position of that person within the company.

2.2 Notification

2.2.1 The Works Approval Holder shall ensure that the parameters listed in Table 2.2.1 are notified to the CEO and are in accordance with the notification requirements of the table.

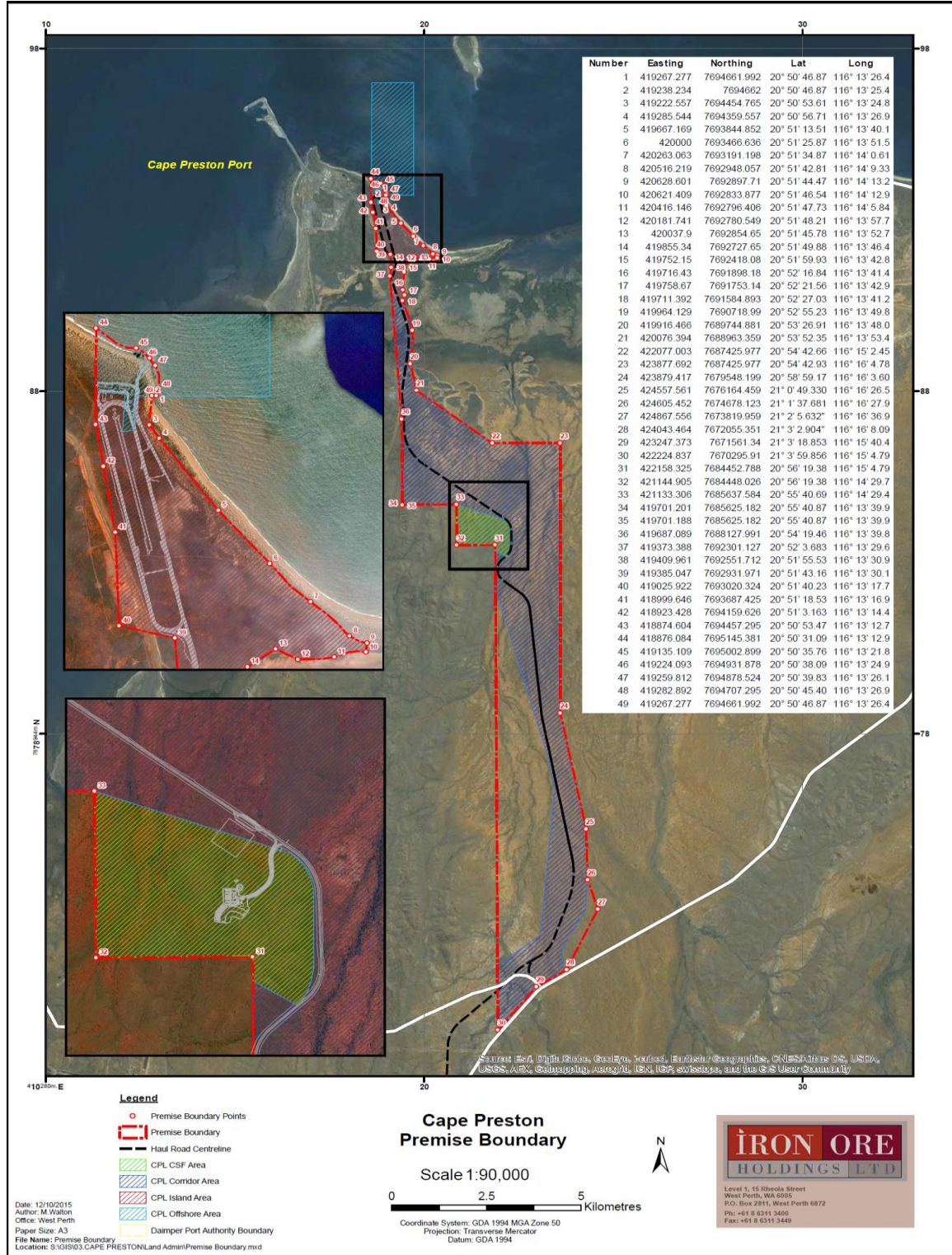
Table 2.2.1: Notification requirements			
Condition or table (if relevant)	Parameter	Notification requirement	Format or form
1.2.2	Commencement of commissioning	7 days prior to start	None specified



Schedule 1: Maps

Premises map

The Premises is shown in the map below. The red dotted line depicts the Premises boundary.





Decision Document

Environmental Protection Act 1986, Part V

Proponent: BC Pilbara Iron Ore Pty Ltd

Works Approval: W5654/2014/1

Registered office: Level 1, 15 Rheola Street
WEST PERTH WA 6005

ACN: 107 492 517

Premises address: Cape Preston East Crushing and Screening Unit
Within the following coordinates:

E419267.277 N7694661.992; E419238.234 N7694662; E419222.557
N7694454.765; E419285.544 N7694359.557; E419667.169 N7693844.852;
E420000 N7693466.636; E420263.063 N7693191.198; E420516.219
N7692948.057; E420628.601 N7692897.71; E420621.409 N7692833.877;
E420416.146 N7692796.406; E420181.741 N7692780.549; E420037.9
N7692854.65; E419855.34 N7692727.65; E419752.15 N7692418.08; E419716.43
N7691898.18; E419758.67 N7691753.14; E419711.392 N7691584.893;
E419964.129 N7690718.99; E419916.466 N7689744.881; E420076.394
N7688963.359; E422077.003 N7687425.977; E423877.692 N7687425.977;
E423879.417 N7679548.199; E424557.561 N7676164.459; E424605.452
N7674678.123; E424867.556 N7673819.959; E424.43.464 N7672055.351;
E423247.373 N7671561.34; E422224.837 N7670295.91; E422158.325
N7684452.788; E421144.905 N7684448.026; E421133.306 N7685637.584;
E419701.201 N7685625.182; E419701.188 N7685625.182; E419687.089
N7688127.991; E419373.388 N7692301.127; E419409.961 N7692551.712;
E419385.047 N7692931.971; E419025.922 N7693020.324; E418999.646
N7693687.425; E418923.428 N7694159.626; E418874.604 N7694457.295;
E418876.084 N7695145.381; E419135.109 N7695002.899; E419224.093
N7694931.878; E419259.812 N7694878.524; E419282.892 N7694707.295; and
E419267.277 N7694664.992
MARDIE WA 6714

Issue date: Thursday, 7 August 2014

Commencement date: Monday, 11 August 2014

Expiry date: Thursday, 10 August 2017

Decision

Based on the assessment detailed in this document the Department of Environment Regulation (DER), has decided to issue an amended works approval. DER considers that in reaching this decision, it has taken into account all relevant considerations.

Decision Document prepared by: Sonya Poor
Licensing Officer

Decision Document authorised by: Alana Kidd
Delegated Officer



Contents

Decision Document	1
Contents	2
1 Purpose of this Document	2
2 Administrative summary	3
3 Executive summary of proposal and assessment	4
4 Decision table	5
5 Advertisement and consultation table	6
6 Risk Assessment	7

1 Purpose of this Document

This decision document explains how DER has assessed and determined the application and provides a record of DER's decision-making process and how relevant factors have been taken into account. Stakeholders should note that this document is limited to DER's assessment and decision making under Part V of the *Environmental Protection Act 1986*. Other approvals may be required for the proposal, and it is the proponent's responsibility to ensure they have all relevant approvals for their Premises.



2 Administrative summary

Administrative details	
Application type	Works Approval <input type="checkbox"/> New Licence <input type="checkbox"/> Licence amendment <input type="checkbox"/> Works Approval amendment <input checked="" type="checkbox"/>
Activities that cause the premises to become prescribed premises	Category number(s) Assessed design capacity 12 2,500,000 tonnes per annual period
	Application verified Date: N/A Application fee paid Date: N/A
Works Approval has been complied with	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
Compliance Certificate received	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
Commercial-in-confidence claim	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Commercial-in-confidence claim outcome	N/A
Is the proposal a Major Resource Project?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Was the proposal referred to the Environmental Protection Authority (EPA) under Part IV of the <i>Environmental Protection Act 1986</i> ?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Referral decision No: Managed under Part V <input type="checkbox"/> Assessed under Part IV <input checked="" type="checkbox"/>
Is the proposal subject to Ministerial Conditions?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Ministerial statement No: 949 EPA Report No: 1476
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the <i>Environmental Protection Act 1986</i>)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Department of Water consulted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Is the Premises within an Environmental Protection Policy (EPP) Area	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
If Yes include details of which EPP(s) here.	
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
If Yes, include details here, eg Site is subject to SO ₂ requirements of Kwinana EPP.	



3 Executive summary of proposal and assessment

BC Pilbara Iron Ore Pty Ltd (BC Pilbara) formerly Iron Ore Holdings Limited is implementing the Cape Preston East Export Facilities to ship iron ore generated from their inland mines. Two quarries are to be established (proposed locations for the quarries are at the Central Service Facility (CSF) Area and Port Area) during the construction works and will operate to provide crushed and screened material for hardstand and for road pavement for the port access road, rock armour for marine works and aggregate for concrete works. The crushing and screening unit will comprise of the following:

- Feed rock stockpile;
- Two semi-mobile crushing plants with a capacity of approximately 600 tonnes per hour (t/hr) each. The design capacity for crushed material is approximately 2.5 million tonnes per annum (Mtpa);
- Two static grizzlies for sizing of armour rock (typically 300 – 1000 mm diameter and 200 – 300 mm diameter);
- Jaw and cone crushers and tertiary screens to produce a variety of construction materials; and
- Crushed rock stockpile (if rock cannot be deposited directly into trucks).

A crushing and screening unit will be located at each of the quarries to crush rock material for various uses during the construction of haul roads, mine infrastructure and processing facilities at the Port.

The following changes have been made to the works approval during this amendment:

- Works Approval Holder has changed to BC Pilbara Iron Ore Pty Ltd as it was formerly known as Iron Ore Holdings Ltd (no change in the Australian Company Number (ACN));
- BC Pilbara company address updated;
- Premises boundary coordinates have been updated;
- Administrative changes in line with version 2.9 of the works approval template;
- Removal of conditions W1.3, W2, W3 and W4 as these conditions had no specified conditions, which is in line with version 2.9 of the works approval template,
- Table 1.2.1 has been updated to include documents relating to the application to amend; and
- Premises boundary map has been updated in Schedule 1.

As part of this amendment, where conditions have been added or removed from the existing works approval these have been justified in Section 4.



4 Decision table

All applications are assessed in line with the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1987* and DER's Operational Procedure on Assessing Emissions and Discharges from Prescribed Premises. Where other references have been used in making the decision they are detailed in the decision document.

DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
General conditions	W1.2.1 and W1.2.2.	<p>Previous condition W1.2.2 has been removed. The storage of environmentally hazardous materials can be adequately regulated by the Code of practice for the Storage and handling of dangerous goods and associated Regulations.</p> <p>Additional documents associated with the application to amend have been included in Table 1.2.1.</p>	<p>Code of practice for the Storage and handling of dangerous goods.</p> <p>Application to amend (Form P4), dated 22 June 2015.</p>
Premises operation	N/A.	<p>During this amendment BC Pilbara have requested that the premises boundary be expanded to align with the port lease agreement boundary (in accordance with Ministerial Statement 949), which will also allow BC Pilbara to source borrow material and construct the crushing and screening unit within this area. All environmental management measures outlined in the original application will remain in place.</p>	<p>Application to amend (Form P4), dated 22 June 2015.</p>



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
29/10/2015	Proponent sent a copy of draft instrument	No comments received	N/A



6 Risk Assessment

Note: This matrix is taken from the DER Corporate Policy Statement No. 07 - Operational Risk Management

Table 1: Emissions Risk Matrix

Likelihood	Consequence				
	Insignificant	Minor	Moderate	Major	Severe
Almost Certain	Moderate	High	High	Extreme	Extreme
Likely	Moderate	Moderate	High	High	Extreme
Possible	Low	Moderate	Moderate	High	Extreme
Unlikely	Low	Moderate	Moderate	Moderate	High
Rare	Low	Low	Moderate	Moderate	High