



Amendment Notice 1

Licence Number L8362/2009/2

Licence Holder BHP Billiton Iron Ore Pty Ltd

ACN 008 700 981

File Number: DER2014/001415

Premises
Redmont Camp
Lot 135 on Plan 48926
Special Lease 3116/6038, Crown Lease I-123402
MARBLE BAR WA 6760

Date of Amendment 28 March 2018

Amendment

The Chief Executive Officer (CEO) of the Department of Water and Environmental Regulation (DWER) has amended the above Licence in accordance with section 59 of the *Environmental Protection Act 1986* (EP Act) as set out in this Amendment Notice. This Amendment Notice constitutes written notice of the amendment in accordance with section 59B(9) of the EP Act.

Date signed: 28 March 2018

Steve Checker

Manger Licensing (Waste Industries)

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

Definitions and interpretation

Definitions

In this Amendment Notice, the terms in Table 1 have the meanings defined.

Table 1: Definitions

Term	Definition
AACR	Annual Audit Compliance Report
ACN	Australian Company Number
Amendment Notice	refers to this document
Category/ Categories/ Cat.	categories of Prescribed Premises as set out in Schedule 1 of the EP Regulations
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department Administering the <i>Environmental Protection Act 1986</i> Locked Bag 33 Cloisters Square PERTH WA 6850 info@dwer.wa.gov.au
Delegated Officer	an officer under section 20 of the EP Act
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V, Division 3 of the EP Act.
DWER	Department of Water and Environmental Regulation
EP Act	<i>Environmental Protection Act 1986 (WA)</i>
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i>
Existing Licence	The Licence issued under Part V, Division 3 of the EP Act and in force prior to the commencement of and during this Review
Licence Holder	BHP Billiton Iron Ore Pty Ltd
Prescribed Premises	has the same meaning given to that term under the EP Act.
Premises	refers to the premises to which this Decision Report applies, as specified at the front of this Decision Report.

Amendment Notice

This amendment is made pursuant to section 59 of the *Environmental Protection Act 1986* (EP Act) to amend the Licence issued under the EP Act for a prescribed premises as set out below. This notice of amendment is given under section 59B(9) of the EP Act.

This notice is limited only to an amendment for Category 63. No changes to the aspects of the original Licence relating to Category 54 have been requested by the Licence Holder.

The following guidance statements have informed the decision made on this amendment:

- *Guidance Statement: Regulatory Principles (July 2015)*
- *Guidance Statement: Setting Conditions (October 2015)*
- *Guidance Statement: Land Use Planning (February 2017)*
- *Guidance Statement: Licence Duration (August 2016)*
- *Guidance Statement: Decision Making (February 2017)*
- *Guidance Statement: Risk Assessment (February 2017)*
- *Guidance Statement: Environmental Siting (November 2016)*

Amendment description

On 27 December 2017 BHP Billiton Iron Ord Pty Ltd (Licence Holder) submitted an application to amend the existing Licence to add Category 63 Inert Landfill activities. The Licence Holder is proposing to dispose of inert waste resulting from decommissioning of an onsite camp and the maintenance of the railway line, including asbestos, waste ballast rock, concrete sleepers and associated inert materials, into the existing void of Quarry 4. Quarry 4 is within the existing licensed premises boundary.

Table 2 below outlines the proposed changes to the Licence.

Table 2: Proposed additional category activities

Category	Category description	Category production or design capacity	Proposed production or design capacity
63	Class I inert landfill site: premises on which waste (as determined by reference to the waste type set out in the document entitled "Landfill Waste Classification and Waste Definitions 1996" published by the Chief Executive Officer and as amended from time to time) is accepted for burial.	500 tonnes or more per year	165 000 tonnes per annual period

Other approvals

The Licence Holder holds a valid Clearing Permit CPS7009/1 over the application area granted on 21 July 2016.

Amendment history

Table 3 provides the amendment history for L8362/2009/2.

Table 3: Licence amendments

Instrument	Issued	Amendment
W4445/2008/1	07/08/2008	New Works Approval to construct Category 54 sewage facility
L8362/2009/1	29/10/2009	New Licence to operate Category 54 sewage facility
L8362/2009/2	30/10/2014	Licence renewal and amendment to REFIRE format
L8362/2009/2	18/02/2016	Licence amended to remove condition 3.7.1 quarterly monitoring of wastewater discharged to the lined evaporation pond
L8362/2009/2	28/03/2018	Licence Amendment Notice 1 to add Category 63 inert waste facility

Location and receptors

Table 4 below lists the relevant sensitive land uses in the vicinity of the Prescribed Premises which may be receptors relevant to the proposed amendment.

Table 4: Receptors and distance from activity boundary

Residential and sensitive premises	Distance from Prescribed Premises
Great Northern Highway	approximately 15km west

Risk assessment

Tables 5 below describes the Risk Events associated with the amendment consistent with the *Guidance Statement: Risk Assessments*. The table identifies whether the emissions present a material risk to public health or the environment, requiring regulatory controls.

Table 5: Risk assessment for proposed amendments during operation

Risk Event					Consequence rating	Likelihood rating	Risk	Reasoning
Source/Activities		Potential emissions	Potential receptors	Potential pathway				
Cat 63 inert landfill	Operation of inert landfill	Asbestos Fibre	There are no residential receptors in the vicinity of the Premises	Air	Health and amenity impacts	No	No	The Delegated Officer considers a separation distance of 15km to the nearest potential receptor (highway) adequate to prevent impacts from asbestos fibre, dust and noise generated by the inert landfill operations.
		Dust	Great Northern Highway, approximately 15km west of the Premises			No	No	
		Noise				No	No	

Decision

The Delegated Officer has determined that the issued Amendment Notice 1 for the inclusion of a Category 63 inert landfill on the licence will be granted. The Delegated Officer has noted that there are no significant receptors that are likely to be impacted by emissions and discharges from the proposed landfill, however a number of conditions have been included on the licence which relate to the applicant's commitments and appropriate controls for the acceptance, handling and disposal of asbestos contaminated materials.

Licence Holder's comments

The Licence Holder was provided with the draft Amendment Notice on 9 March 2018 providing 21 days for comments. Comments were received on 27 March 2018, requesting a modification to condition wording and waiving the remaining comment period. The requested modification has been accepted by the Delegated Officer.

Amendment

- The Prescribed premises category as specified on Page 1 of the Licence is amended by insertion of the red text shown in underline below:

Category number	Category description	Category production or design capacity	Approved premises production or design capacity
54	Sewage facility premises – (a) on which sewage is treated (excluding septic tanks); or (b) from which treated sewage is discharged onto land or into waters.	100 cubic metres or more per day	296 cubic metres per day
<u>63</u>	<u>Class I inert landfill site: premises on which waste (as determined by reference to the waste type set out in the document entitled "Landfill Waste Classification and Waste Definitions 1996" published by the Chief Executive Officer and as amended from time to time) is accepted for burial.</u>	<u>500 tonnes or more per year</u>	<u>165 000 tonnes per annual period</u>

- Definitions of the Licence are amended by insertion of the red text shown in underline below:

'asbestos' means the asbestiform variety of mineral silicates belonging to the serpentine or amphibole groups of rock-forming minerals and includes actinolite, amosite, anthophyllite, chrysotile, crocidolite, tremolite and any mixture containing 2 or more of those;

'asbestos fibres' has the meaning defined in the Guidelines for Assessment, Remediation and Management of Asbestos Contaminated Sites, Western Australia, (DOH, 2009);

'Inert Waste Type 1' has the meaning as defined in the document entitled "Landfill Waste Classification and Waste Definitions 1996" published by the Department of Environment and Conservation and as amended from time to time.

'Special Waste Type 1' has the meaning as defined in the document entitled "Landfill Waste Classification and Waste Definitions 1996" published by the Department of Environment and Conservation and as amended from time to time.

3. Table 1.3.1 within Condition 1.3.2 of the Licence is amended by insertion of the red text shown in underline below:

Table 1.3.1: Waste acceptance		
Waste	Quantity Limit	Specification¹
Sewage	296 m ³ /day	Accepted through sewer inflow(s) only.
<u>Inert Waste Type 1</u>	<u>165 000 tonnes per annual period</u>	<u>Accepted for burial at the Inert Landfill.</u>
<u>Special Waste Type 1</u>	<u>300 tonnes per annual period</u>	<u>Limited to waste from decommissioning of the Redmont camp only.</u> <u>Accepted for burial at the Inert Landfill.</u>

4. Table 1.3.2 within Condition 1.3.3 of the Licence is amended by insertion of the red text shown in underline below:

Table 1.3.2: Waste processing		
Waste type	Process	Process requirements
Sewage	Physical, biological and chemical treatment	Treatment of sewage waste shall be at or below the treatment capacity of 296 m ³ /day
<u>Inert Waste Type 1</u>	<u>Receipt, handling, storage and disposal by landfilling</u>	<ul style="list-style-type: none"> <u>Waste shall be placed and compacted as required to ensure all faces are stable and capable of retaining rehabilitation material once the landfill cell is complete.</u> <u>VOIDS that may be suitable as habitat for fauna are to be eliminated through the selective covering of wastes that may generate voids with quarry fines or soil on at least a weekly basis.</u> <u>No placement of waste is to occur within 10 m of any standing water in the landfill cell until the area has been back-filled to at least 300mm above-water level with clean fill as defined in accordance with the <i>Landfill Waste Classification and Waste Definitions 1996</i>.</u>
<u>Special Waste Type 1</u>	<u>Receipt, handling, storage and disposal by landfilling</u>	<ul style="list-style-type: none"> <u>Special Waste Type 1 received at the premises as part of the Class I landfill activity is to be disposed of immediately within the designated asbestos disposal area within the landfill.</u> <u>Not to be deposited within 2m of the final tipping surface of the landfill.</u> <u>To be covered with 300mm of quarry fines or soil as soon as practicable after deposit and prior to compaction.</u> <u>To be covered with 1000mm of quarry fines or soil by the end of the working day in which the asbestos waste was deposited.</u> <u>No works shall be carried out on the landfill that could lead to a release of asbestos fibres.</u>

5. Table 2.2.1 within Condition 2.2.1 of the Licence is amended by insertion of the red text shown in underline below:

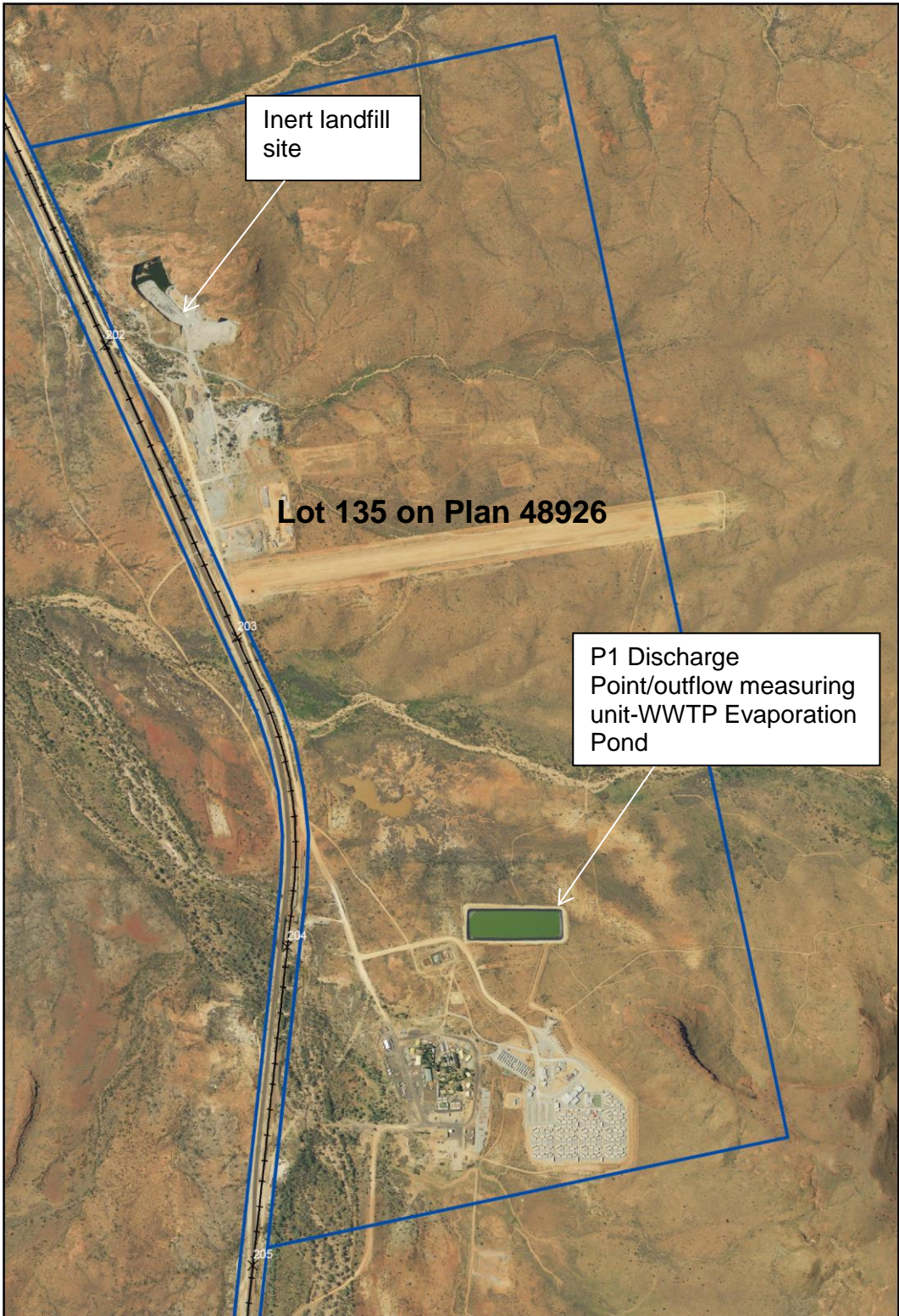
Table 2.2.1: Monitoring of outputs					
Input/Output	Monitoring point reference	Parameter	Units	Averaging period	Frequency
Treated wastewater discharged into the evaporation pond	Outflow Measuring Unit	Volumetric flow rate (cumulative)	m ³ /day	Monthly	Continuous
<u>Waste Inputs</u>	<u>=</u>	<u>Inert Waste Type 1</u> <u>Special Waste Type 1</u>	<u>Estimated tonnes</u>	<u>Monthly</u>	<u>Each load arriving at the premises</u>

6. The Licence is amended by insertion of the red text shown in underline below:

3.1.3 The Licensee shall maintain a register of Special Waste Type 1 (Asbestos waste) disposed of at the Premises which shall include:

- (a) a plan showing the location of any cell that is used for the disposal of Special Waste Type 1 (Asbestos waste) including GPS coordinates;
- (b) the date of the deposit; and
- (c) the name of the person that deposited the waste.

7. The Licence is amended by deletion of the Premises map in Schedule 1 and insertion of the following Premises map in Schedule 1:



Appendix 1: Key documents

	Document title	In text ref	Availability
1	Licence L8362/2009/2 Redmont Camp	L8362/2009/2	accessed at www.dwer.wa.gov.au
2	DER, July 2015. <i>Guidance Statement: Regulatory principles.</i> Department of Environment Regulation, Perth.	DER 2015a	accessed at www.dwer.wa.gov.au
3	DER, October 2015. <i>Guidance Statement: Setting conditions.</i> Department of Environment Regulation, Perth.	DER 2015b	
4	DER, August 2016. <i>Guidance Statement: Licence duration.</i> Department of Environment Regulation, Perth.	DER 2016a	
5	DER, November 2016. <i>Guidance Statement: Risk Assessments.</i> Department of Environment Regulation, Perth.	DER 2016b	
6	DER, November 2016. <i>Guidance Statement: Decision Making.</i> Department of Environment Regulation, Perth.	DER 2016c	