



Licence Number	L7038/1997/12
Licence Holder	R.C.G Pty Ltd
ACN	008 781 539
Registered business address	22A Riverview Street SOUTH PERTH WA 6151
Date of amendment	Wednesday, 8 March 2017
Prescribed Premises	Category 13: Crushing of building material Category 62: Solid waste depot Category 63: Class I inert landfill site Category 70: Screening, etc. of material
Premises	Quinns Quarry Part Lot 1153 on Plan 217813 Hester Avenue NEERABUP WA 6031

Amendment

The Chief Executive Officer (CEO) of the Department of Environment Regulation (DER) has amended the above licence in accordance with section 59 of the *Environmental Protection Act 1986* as set out in this Amendment Notice.

Signed 8 March 2017

Alan Kietzmann

MANAGER LICENSING – WASTE INDUSTRIES

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

Amendment Notice

This Notice is issued under 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.

Amendment Description

R.C.G. Pty Ltd (the Licence Holder) was granted an amended licence by DER on 11 November 2016 for the inclusion of crushing operations at the Quinns Quarry facility. The Premises has a capacity of 100,000 per annual period for solid waste storage/sorting, up to 500,000 tonnes per annual period for inert landfilling, up to 200,000 tonnes per annual period for crushing operations and up to 50,000 tonnes per year for screening activities.

The duration of the licence is aligned with the planning approval expiry date of 30 September 2021. The licence was amended by notice on 22 December 2016 to update the Licence Holder's registered business address.

This Amendment Notice is the result of a Licence Holder initiated amendment to authorise filling within 25m of the Premises boundary for the purposes of stabilising the site's western boundary wall. The occupier will require 325,000 tonnes of clean fill and Inert Waste Type 1 for use in the wall stabilisation, which is expected to be completed within a 12 month period. The Licence Holder has not requested an increase in throughput. The Licence Holder also requested clarification of licence wording to ensure offsite sale of processed inert materials is authorised.

Decision

The Delegated Officer considers that the placement of 325,000 tonnes of clean fill and Inert Waste Type 1 within 25m of the premises western boundary does not pose any additional risk to the environment as the construction of the embankment (1:3 gradient) will be largely below ground level despite the activity being closer to the residential area. The proposed freeway separates the residential area from the premises. Existing licence controls and monitoring are considered adequate for the proposed activity. The placement of the material (and compaction) provides necessary stability for road construction near the western boundary of the premises and will not require an increase the throughput of waste to the premises.

The Delegated Officer has determined that the following amendments are required to be made to the licence:

- Table 1.2.2 of the licence has been replaced. Components of the former Table 1.2.2 have been retained within the new table and other components have been included as separate conditions which have been detailed below as they apply. This improves delineation of process controls with waste type.
- Condition 1.2.12 has been included to specify requirements for the wall stabilisation and limits the amount of waste that is authorised to be used for the stabilisation project.
- Condition 1.2.13 has been included on the licence for separation distances between base of landfill and highest groundwater level. This control was previously a requirement of Table 1.2.2.
- Re-numbering of former condition 1.1.12 to condition 1.2.14.
- Conditions 1.2.15 and 1.2.16 have been included to manage dust emissions. These controls were previously a requirement of Table 1.2.2.
- Former conditions 1.2.13 to 1.2.17 have been renumbered to conditions 1.2.17 to 1.2.21.

- Table 2.2.1 regarding the monitoring of inputs and outputs, has been amended to require the monitoring and recording of all Clean Fill and Inert Waste Type 1 being filled for the purposes of wall stabilisation.
- Condition 4.2.2 (and Table 4.2.2) has been included to require the reporting of the waste filled for wall stabilisation which is monitored and recorded under Table 2.2.1.
- Table 4.3.1 has been amended to require the notification to the CEO within three business days of wall stabilisation activities commencing and ceasing.

The Delegated Officer has noted the Licence Holder concern regarding the wording in the Introduction section of the licence document under the “Proposed Operations” heading, it refers to crushed Inert Waste Type 1 material only being landfilled. The Delegated Officer has determined this section does not form part of the licence conditions and therefore not subject to regulatory controls. Condition 1.2.11 (Table 1.2.2) does identify that Inert Waste Type 1 is accepted at the site for crushing, screening and storage prior to removal off-site (i.e. allows for resale of the product) or disposal by landfilling. The Licence Introduction section will be better worded to reflect activities at the next licence re-issue or major amendment.

A detailed risk-assessment is not required as the amendment does not impact on the emissions and discharges from the Premises.

In granting this amendment the Delegated Officer has considered the following DER guidance statements:

- *Guidance Statement: Regulatory Principles* (July 2015)
- *Guidance Statement: Setting Conditions* (October 2015)
- *Guidance Statement: Decision Makings* (November 2016)
- *Guidance Statement: Risk Assessment* (November 2016)

Amendment History

Instrument	Issued	Amendment
L7038/1997/12	28/04/2016	Amendment to extend licence duration
L7038/1997/12	19/10/2016	Amendment Notice 1 Amendment to extend licence duration
L7038/1997/12	11/11/2016	Amendment Inclusion of category 13 (crushing of building material)
L7038/1997/12	22/12/2016	Amendment Notice 2 Change of occupier registered address
L7038/1997/12	08/03/2017	Amendment Notice 3: Authorisation of infilling within 25m of premises boundary

Licence Holder’s Comments

The Licence Holder was provided with the draft Amendment Notice on 7 March 2017 for review and comment. The Licence Holder responded on 7 March 2017 waiving the remaining comment period. No comments were submitted on the draft Amendment Notice.

Amendments

1. Condition 1.2.11 of the licence is amended by the deletion of Table 1.2.2 below:

<i>Table 1.2.2: Waste processing</i>		
<i>Waste type</i>	<i>Process(es)</i>	<i>Process limits</i>
<i>Clean Fill</i>	<i>Acceptance, screening and storage prior to removal off-site or disposal by landfilling.</i>	<i>Crushing and screening of Metal Dust and Special Waste Type 1 is not authorised. All processing, storage, containment and landfilling to be maintained in areas designated in the 'Site Layout Map' in Schedule 1.</i>
<i>Inert Waste Type 1</i>	<i>Acceptance, crushing, screening and storage prior to removal off-site or disposal by landfilling.</i>	<i>No waste shall be temporarily stored or landfilled within 25 metres from the boundary of the premises. The separation distance between the base of the landfill and the highest groundwater level shall not be less than 2m.</i>
<i>Metal Dust</i>	<i>Acceptance, validation, and storage prior to removal off-site or disposal by landfilling.</i>	<i>Metal Dust must be maintained in a damp state at all times, or otherwise stabilised to minimise dust emissions. Drilling Slurry must only be stored in a temporary or permanent bunded infrastructure that meets 1×10^{-8} m/s permeability, capable of preventing surface run-off of leachate and slurry and which includes a leachate collection system.</i>
<i>Drilling Slurry</i>	<i>Acceptance, validation and storage prior to removal off-site or disposal by landfilling.</i>	<i>Drilling slurry can only be landfilled at the Premises or re-used once it has dried. Special Waste Type 1 must not to be deposited within 2m of the final tipping surface of the landfill; and</i>
<i>Special Waste Type 1</i>	<i>Acceptance and storage prior to removal off-site or disposal by landfilling.</i>	<i>No works shall be carried out on the landfill that could lead to a release of asbestos fibres. All loads to be wet down prior to unloading, loading and processing. All stockpiles at the premises are limited to 5m or less in height. Operate the infrastructure as specified in Table 1.2.3 to ensure:</i>
<i>Asphalt Waste</i>	<i>Acceptance and storage prior to removal off-site, re-use on-site or disposal by landfilling.</i>	<i>stockpiles and unsealed access roads are maintained in a damp state to prevent dust lift-off; and water spray nozzles on crushing and screening equipment, including conveyors, are functioning when the equipment is in operation. Cease activities when relevant infrastructure specified in Table 1.2.3 fails or during weather conditions where dust emissions cannot be effectively controlled.</i>

and the insertion of Table 1.2.2 below (rewording of the Process limits):

Table 1.2.2: Waste processing		
Waste type	Process(es)	Process limits
<i>Clean Fill</i>	<i>Acceptance, screening and storage prior to removal off-site or disposal by landfilling</i>	<ul style="list-style-type: none"> • All loads to be wet down prior to unloading, loading and processing. • All stockpiles are limited to 5m or less in height. • Waste is not authorised to be stored or landfilled within 25 metres from the boundary of the premises unless undertaken for the purposes specified in condition 1.2.12. • Waste may only be stored, contained and landfilled in the 'Current Landfill Area' as depicted in the 'Site Layout Map' in Schedule 1 unless undertaken for the purposes specified in condition 1.2.12.
<i>Inert Waste Type 1</i>	<i>Acceptance, crushing, screening and storage prior to removal off-site or disposal by landfilling</i>	<ul style="list-style-type: none"> • All loads to be wet down prior to unloading, loading and processing. • All stockpiles are limited to 5m or less in height. • Waste is not authorised to be stored or landfilled within 25 metres from the boundary of the premises unless undertaken for the purposes specified in condition 1.2.12. • Waste may only be stored, contained and landfilled in the 'Current Landfill Area' as depicted in the 'Site Layout Map' in Schedule 1 unless undertaken for the purposes specified in condition 1.2.12.
<i>Metal Dust</i>	<i>Acceptance, validation, and storage prior to removal off-site or disposal by landfilling</i>	<ul style="list-style-type: none"> • Crushing and screening of this waste is not authorised. • Waste must be maintained in a damp state at all times, or otherwise stabilised to minimise dust emissions. • All stockpiles are limited to 5m or less in height. • Waste is not authorised to be stored or landfilled within 25 metres from the boundary of the premises. • Waste may only be stored, contained and landfilled in the 'Current Landfill Area' as depicted in the 'Site Layout Map' in Schedule 1.

Table 1.2.2: Waste processing		
Waste type	Process(es)	Process limits
<i>Drilling Slurry</i>	<i>Acceptance, validation and storage prior to removal off-site or disposal by landfilling</i>	<ul style="list-style-type: none"> • <i>Crushing and screening is not authorised.</i> • <i>Waste must only be stored in a temporary or permanent bunded infrastructure that meets 1×10^{-8} m/s permeability, capable of preventing surface run-off of leachate and slurry and which includes a leachate collection system;</i> • <i>Waste can only be landfilled at the Premises or re-used once it has dried.</i> • <i>Waste is not authorised to be stored or landfilled within 25 metres from the boundary of the premises.</i> • <i>Waste may only be stored and contained in the 'Drilling Slurry Pit' and landfilled in the Current Landfill Area' as depicted in the 'Site Layout Map' in Schedule 1.</i>
<i>Special Waste Type 1</i>	<i>Acceptance and storage prior to removal off-site or disposal by landfilling.</i>	<ul style="list-style-type: none"> • <i>Crushing and screening is not authorised.</i> • <i>Special Waste Type 1 must not to be deposited within 2m of the final tipping surface of the landfill;</i> • <i>Waste is not authorised to be stored or landfilled within 25 metres from the boundary of the premises.</i> • <i>Waste may only be stored, contained and landfilled in the 'Asbestos Area' as depicted in the 'Site Layout Map' in Schedule 1.</i>
<i>Asphalt Waste</i>	<i>Acceptance and storage prior to removal off-site, re-use on-site or disposal by landfilling</i>	<ul style="list-style-type: none"> • <i>Waste is not authorised to be stored or landfilled within 25 metres from the boundary of the premises.</i> • <i>All stockpiles are limited to 5m or less in height.</i> • <i>Waste may only be stored and landfilled in the 'Current Landfill Area' as depicted in the 'Site Layout Map' in Schedule 1.</i>

2. The licence has been amended by the inclusion of condition 1.2.12 as shown below:

- 1.2.12 *The Licensee is only authorised to undertake infilling of Clean Fill and Inert Waste Type 1 for the purposes of western boundary wall stabilisation in accordance with the following requirements:*
- Infilling must only occur within the area identified as the Extent of Proposed Batter in the 'Map of wall stabilisation' in Schedule 1; and*
 - A maximum of 325,000 tonnes of waste is used for infill.*

3. The licence has been amended by the inclusion of condition 1.2.13 as shown below:

- 1.2.13 *The Licensee shall ensure that the separation distance between the base of the landfill and the highest groundwater level shall not be less than 2m.*

4. Former licence condition 1.2.12 has been renumbered to condition 1.1.14 as shown in strikethrough and red underline below:

1.2.12~~4~~ The Licensee shall ensure that the infrastructure or equipment specified in Table 1.2.3 is installed and operated in accordance with the specification of that table and located in the area depicted in the Site Layout Map in Schedule 1.

5. The licence has been amended by the inclusion of condition 1.2.15 as shown below:

1.2.15 The Licensee shall operate the infrastructure as specified in Table 1.2.3 to ensure:

- (a) stockpiles and unsealed access roads are maintained in a damp state to prevent dust lift-off; and
- (b) water spray nozzles on crushing and screening equipment, including conveyors, are functioning when the equipment is in operation.

6. The licence has been amended by the inclusion of condition 1.2.16 as shown below:

1.2.16 The licensee shall cease dust generating activities when relevant infrastructure specified in Table 1.2.3 fails or during weather conditions where dust emissions cannot be effectively controlled

7. Former licence conditions 1.2.13 to 1.2.17 have been renumbered to conditions 1.2.17 to 1.2.22 as shown in strikethrough and red underline below:

1.2.13~~7~~ The Licensee may only operate the crushing and screening equipment between the hours of 7am to 5pm Monday to Friday and from 7am to 1pm on Saturday.

1.2.14~~8~~ The Licensee shall manage the landfilling activities to ensure:

- (a) waste is levelled and compacted as soon as practicable after it is discharged; and
- (b) waste is placed and compacted to ensure all faces are stable and capable of retaining rehabilitation material; and
- (c) rehabilitation of a cell or phase takes place within 6 months after disposal in that cell or phase has been completed.

1.2.15~~9~~ The Licensee shall ensure that cover is applied and maintained on landfilled wastes in accordance with Table 1.2.4 and that sufficient stockpiles of cover are maintained on site at all times.

Table 1.2.4: Cover requirements¹

Waste Type	Material	Depth	Timescales
Special Waste Type 1	Clean Fill, Type 1 Inert waste or validated spadeable drilling slurry	300mm	Immediately after deposit
		1000mm	By the end of the working day in which the asbestos waste was deposited
Clean Fill, Inert Waste Type 1, Asphalt Waste, Metal Dust, Spadeable Drilling Slurry	No cover required		

Note 1: Additional requirements for the covering of tyres are set out in Part 6 of the Environmental Protection Regulations 1987.

1.2.16~~20~~ The Licensee shall implement the following security measures at the site:

- (a) erect and maintain suitable fencing to prevent unauthorised access to the site; and

- (b) ensure that any entrance gates to the premises are securely locked when the premises are unattended; and
- (c) undertake regular inspections of all security measures and repair damage as soon as practicable.

1.2.4721 The Licensee shall collect all windblown waste from the boundary to prevent windblown waste from escaping the Premises.

8. Table 2.2.1 of the licence has been amended by the insertion of the red text shown in underline below:

Table 2.2.1: Monitoring and recording of inputs and outputs				
Input/Output	Parameter	Units	Averaging period	Frequency
Waste Inputs	Clean Fill; Inert Waste Type 1; Metal Dust; Drilling Slurry; Special Waste Type 1; and Asphalt Waste.	tonnes	N/A	Each load arriving at the Premises
Waste Outputs	Waste type as defined in the Landfill Definitions			Each load leaving or rejected from the Premises
Product outputs	Crushed and screened products			Each load leaving the Premises
<u>Waste Inputs</u>	<u>Clean Fill and Inert Waste Type 1 infilled in accordance with condition 1.2.12</u>	<u>tonnes</u>	<u>N/A</u>	<u>Each load being filled</u>

9. The licence has been amended by the insertion of condition and table 4.2.2 as shown below:

4.2.2 The Licensee shall submit the information in Table 4.2.2 to the CEO according to the specifications in that table.

Table 4.2.2: Non-annual reporting requirements				
Condition or table (if relevant)	Parameter	Reporting period	Reporting date (after end of the reporting period)	Format or form
Table 2.2.1	Waste infill records demonstrating compliance condition 1.2.12(b)	Not applicable	Within 14 days of the CEO's request	None specified

10. Table 4.3.1 of the licence has been amended by the insertion of the red text shown in underline below:

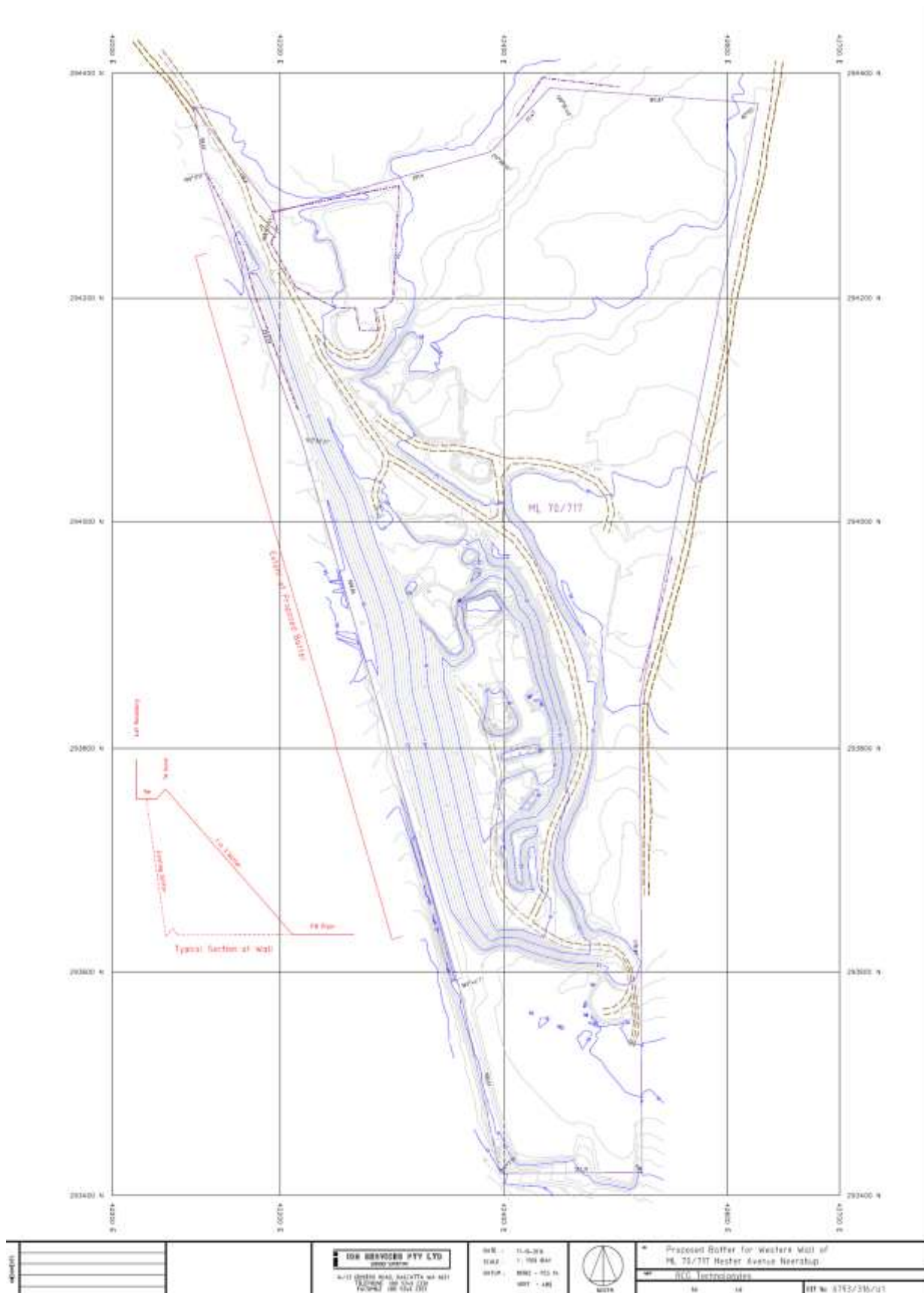
Table 4.3.1: Notification requirements			
Condition or table (if relevant)	Parameter	Notification requirement¹	Format or form²
-	<i>Breach of any limit specified in the Licence</i>	<i>Part A: As soon as practicable but no later than 5pm of the next usual working day.</i> <i>Part B: As soon as practicable</i>	N1
<u>1.2.12</u>	<u>Commencement of infilling activities</u>	<u>Within three business days of infilling commencing.</u>	<u>None specified</u>
<u>1.2.12</u>	<u>Cessation of infilling activities</u>	<u>Within three business days of infilling ceasing.</u>	<u>None specified</u>

Note 1: Notification requirements in the Licence shall not negate the requirement to comply with s72 of the Act

Note 2: Forms are in Schedule 2

11. Schedule 1 of the licence has been amended by the insertion the following map:

Map of wall stabilisation fill area, showing the extend of the proposed batter



Appendix 1: Key Documents

	Document Title	Availability
1	Licence L7038/1997/12 – Quinns Quarry	accessed at http://www.der.wa.gov.au
2	<i>Application for Licence Amendments for Quinns Quarry Licence No. 7038/1997/12</i> , prepared by Bowman and Associates Pty Ltd, 13 February 2017.	
3	DER, July 2015. <i>Guidance Statement: Regulatory principles</i> . Department of Environment Regulation, Perth.	
4	DER, October 2015. <i>Guidance Statement: Setting conditions</i> . Department of Environment Regulation, Perth.	
5	DER, August 2016. <i>Guidance Statement: Licence duration</i> . Department of Environment Regulation, Perth.	
6	DER, November 2016. <i>Guidance Statement: Risk Assessments</i> . Department of Environment Regulation, Perth.	
7	DER, November 2016. <i>Guidance Statement: Decision Making</i> . Department of Environment Regulation, Perth.	