



## Environmental Protection Authority

EPA REFERRAL  
FORM

### Referral of a Proposal to the Environmental Protection Authority under Section 38 of the *Environmental Protection Act 1986*.

#### PURPOSE OF THIS FORM

Section 38 of the *Environmental Protection Act 1986* (EP Act) makes provision for the referral to the Environmental Protection Authority (EPA) of a proposal (significant proposals, strategic proposals and proposals under an assessed scheme) by a proponent, a decision making authority (DMA), or any other person.

The purpose of this form is to ensure that EPA has sufficient information about a proposal to make a decision about the nature of the proposal and whether or not the proposal should be assessed under Part IV of the EP Act. Information provided in the referral form must be brief (no more than 30 pages), sharp and succinct to achieve the purposes of this form.

This form does not prevent the referrer from providing a supplementary referral report. Should a referrer choose to submit a supplementary referral report please ensure the following.

- i. Information is short, sharp and succinct.
- ii. Attachments are below eight megabytes (8 MB) as they will be published on the EPA's website (exemptions apply) for public comment. To minimise file size, "flatten" maps and optimise pdf files.
- iii. Cross-references are provided in the referral form to the appropriate section/s in the supplementary referral report.

This form is to be used for all proposals<sup>1</sup> which can be referred to the EPA under section 38 of the EP Act; i.e. referrals from: **proponents** of proposals (significant proposals, strategic proposals, derived proposals, proposals under an assessed scheme); **DMAs** (significant proposals); and **third parties** (significant proposals).

This form is divided into several sections, including; Referral requirements and Declaration; Part A - Information of the proposal and proponent; and Part B Environmental Factors. Guidance on successfully completing this form is provided throughout the form and is also available in the EPA's *Environmental Assessment Guideline for Referral of a Proposal under s38 of the EP Act (EAG 16)*.

#### Send completed forms to

Office of the Environmental Protection Authority  
Locked Bag 10, East Perth WA 6892

or

Email: [Registrar@epa.wa.gov.au](mailto:Registrar@epa.wa.gov.au)

#### Enquiries

Office of the Environmental Protection Authority  
Locked Bag 10, East Perth WA 6892

Telephone: 6145 0800

Fax: 6145 0895

Email: [info@epa.wa.gov.au](mailto:info@epa.wa.gov.au)

Website: [www.epa.wa.gov.au](http://www.epa.wa.gov.au)

<sup>1</sup> Please note that this form consolidates and replaces the following forms: *Referral of a Proposal by the Proponent to the EPA under section 38(1) of the EP Act*; *Referral of a Proposal by a third party to the EPA under section 38(1) of the EP Act*; and *Referral of a development proposal to the EPA by the decision making authority*.

## Referral requirements and Declaration

The following section outlines the referral information required from a proponent, decision making authority and third party.

### (a) Proponents

Proponents are expected to complete all sections of the form and provide GIS spatial data to enable the EPA to consider the referral. Spatial GIS data is necessary to inform the EPA's decision.

The EPA expects that a proponent will address Part B of the form as thoroughly as possible to demonstrate whether or not the EPA's objectives for environmental factors can be met.

If insufficient information is provided the EPA will request more information and processing of the referral will commence once the information is provided or the EPA decides to make a precautionary determination on the available information.

Proponent to complete before submitting form	
Completed all the questions in Part A (essential)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Completed all the questions in Part B	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Completed all other applicable questions	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Included Attachment 1 – any additional document(s) the proponent wishes to provide	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Included Attachment 2 – confidential information (if applicable)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Enclosed an electronic copy of all referral information, including spatial data and contextual mapping but clearly separating any confidential information	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Completed the Declaration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
What is the type of proposal being referred? <i>* a referred proposal seeking to be declared a derived proposal</i>	<input type="checkbox"/> significant <input type="checkbox"/> strategic <input type="checkbox"/> derived* <input type="checkbox"/> under an assessed scheme
Do you consider the proposal requires formal environmental impact assessment?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, what level of assessment? <i>API = Assessment of Proponent Information</i> <i>PER = Public Environmental Review</i>	<input type="checkbox"/> API Category A <input type="checkbox"/> API Category B <input type="checkbox"/> PER


**NB:** The EPA may apply an Assessment on Proponent Information (API) level of assessment when the proponent has provided sufficient information about:

- the proposal;
- the proposed environmental impacts;
- the proposed management of the environmental impacts; and
- when the proposal is consistent with API criteria outlined in the [Environmental Impact Assessment \(Part IV Division 1 and 2\) Administrative Procedures 2012](#).

If an API A formal level of assessment is considered appropriate, please refer to Environmental Assessment Guideline No. 14 *Preparation for an Assessment on Proponent Information (Category A) Environmental Review Document EAG 14 (EAG14)*.

## Declaration

I, Cyril Giraud (*full name*) declare that I am authorised on behalf of Holcim (Australia) Pty Ltd (being the person responsible for the proposal) to submit this form and further declare that the information contained in this form is true and not misleading.

Signature: 		Name (print) Cyril Giraud	
Position	National Approvals Manager	Organisation	Holcim (Australia) Pty Ltd
Email	cyril.giraud@holcim.com		
Address	Level 8, 799	Street Name Pacific Highway	
	Chatswood	NSW	2067
Date	14 September 2015		

## (b) Decision-making authority

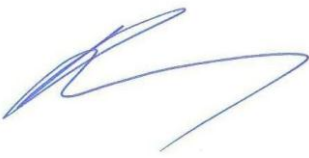
The EPA expects decision-making authorities to complete applicable sections of Part A of the form and provide the proponent an opportunity to provide additional information in Part B of the form where appropriate.

Wherever possible the DMA should obtain relevant spatial information from the proponent and provide this to the EPA with the referral.

DMA to complete before submitting form	
Completed all the questions in Part A (essential)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Provided Part B to the proponent for completion	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Completed all other applicable questions	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Included Attachment 1 – any supporting information	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Enclosed an electronic copy of all referral information, including spatial data and contextual mapping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Completed the below Declaration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Do you consider the proposal requires formal environmental impact assessment?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
What is the type of proposal being referred?	<input type="checkbox"/> significant proposal <input type="checkbox"/> significant proposal under an assessed scheme

## Declaration

I, Phil Gorey (full name) submit this referral to the EPA for consideration of the environmental significance of its impacts.

Signature: 		Name (print): Phil Gorey	
Position	Executive Director, Environment Division	Organisation	Department of Mines and Petroleum
Email	phil.gorey@dmp.wa.gov.au		
Address	Mineral House 100 Plain Street East Perth WESTERN AUSTRALIA 6004		

### (c) Third Party

Third parties are asked to have consideration for the Significance Test outlined in Part A Section 1.5 of this form before referring a significant proposal to the EPA. The EPA will only consider proposals that are likely, if implemented, to have a significant effect on the environment.

Third parties are to provide sufficient information to clearly identify the significant proposal, the proponent, and their reasons for referring the proposal. This can be done by completing as much of Part A of the form as possible, taking into consideration the information available. Third parties may wish to fill in Part B of the form to advance their own views of the significance of the environmental impacts and the need for EPA assessment.

In most cases the EPA will seek additional information from the proponent. This will be to confirm or amend the identity of the proponent, the proposal, and to allow the proponent opportunity to provide its views on the significance of the environmental impacts and the need for EPA assessment.

Third Party to complete before submitting form	
Complete all applicable questions in Part A and B	<input type="checkbox"/> Yes <input type="checkbox"/> No
Completed the Declaration	<input type="checkbox"/> Yes <input type="checkbox"/> No
Do you consider the proposal requires formal environmental impact assessment?	<input type="checkbox"/> Yes <input type="checkbox"/> No

### Declaration

I, ....., (*full name*) submit this referral to the EPA for consideration of the environmental significance of its impacts.

Signature		Name (print)		
Email				
Position		Organisation		
Address	Street No.	Street Name		
	Suburb	State	Postcode	
Date				

## PART A: Information on the proposal and the proponent

All fields of Part A must be completed by the proponent and/or decision-making authority for this document to be processed as a referral. Third party referrers are only expected to fill in the fields they have information for.

### 1 PROPONENT AND PROPOSAL DESCRIPTION

#### 1.1 The proponent of the proposal

Proponent and/or DMA to complete	
Name of the proponent	Holcim (Australia) Pty Ltd
Joint Venture parties (if applicable)	N/A
Australian Company Number(s)	N/A
Postal Address <i>(Where the proponent is a corporation or an association of persons, whether incorporated or not, the postal address is that of the principal place of business or of the principal office in the State)</i>	Unit 1 18 Brodie - Hall Drive Bentley Western Australia 6102
Key proponent contact for the proposal  <i>Please include: name; physical address; phone; and email.</i>	Ms Joanna Russell 9212 2146 (Address as specified as above).
Consultant for the proposal (if applicable)  <i>Please include: name; physical address; phone; and email.</i>	Laura Todd EnviroWorks Consulting Level 29, 221 St Georges Terrace, Perth WA 6000 9221 9500 laura.todd@enviroworks.com.au

#### 1.2 Proposal

Proposal is defined under the EP Act to mean a “project, plan, programme policy, operation, undertaking or development or change of land use, or amendment of any of the foregoing, but does not include scheme”. Before completing this section please refer to [Environmental Protection Bulletin 17 – Strategic and derived proposals \(EPB 17\)](#) and [Environmental Assessment Guideline for Defining the Key Characteristics of a proposal \(EAG 1\)](#).

Proponent and/or DMA to complete	
Title of the proposal	Air Core Drilling Programme on M70/1248 and M70/1250
What project phase is the proposal at?	<input type="checkbox"/> Scoping <input type="checkbox"/> Feasibility <input checked="" type="checkbox"/> Detailed design <input type="checkbox"/> Other _____
Proposal type  <i>More than one proposal type can be identified, however for filtering purposes it is recommended that only the primary proposal type is identified.</i>	<input type="checkbox"/> <b>Power/Energy Generation</b> <input type="checkbox"/> Hydrocarbon Based – coal <input type="checkbox"/> Hydrocarbon Based – gas <input type="checkbox"/> Waste to energy <input type="checkbox"/> Renewable – wind

**Proponent and/or DMA to complete**

- Renewable – wave
- Renewable – solar
- Renewable – geothermal

**Mineral / Resource Extraction**

- Exploration – seismic
- Exploration – air core drilling
- Development

**Oil and Gas Development**

- Exploration
- Onshore – seismic
- Onshore – geotechnical
- Onshore – development
- Offshore – seismic
- Offshore – geotechnical
- Offshore – development

**Industrial Development**

- Processing
- Manufacturing
- Beneficiation

**Land Use and Development**

- Residential – subdivision
- Residential – development
- Commercial – subdivision
- Commercial – development
- Industrial – subdivision
- Industrial – development
- Agricultural – subdivision
- Agricultural – development
- Tourism

**Linear Infrastructure**

- Rail
- Road
- Power Transmission
- Water Distribution
- Gas Distribution
- Pipelines

**Water Resource Development**

- Desalination
- Surface or Groundwater
- Drainage
- Pipelines
- Managed Aquifer Recharge

**Marine Developments**

- Port
- Jetties
- Marina

Proponent and/or DMA to complete	
	<input type="checkbox"/> Canal <input type="checkbox"/> Aquaculture <input type="checkbox"/> Dredging <i>If other, please state below:</i> <input type="checkbox"/> Other _____
Proponent and/or DMA to complete	
Description of the proposal – describe the key characteristics of the proposal in accordance with <a href="#">EAG 1</a> .	<p>The proposal consists of the creation of 36 air core drill holes on M70/1248 and 6 air core drill holes on M70/1250. These proposed drill holes will have a depth of 18 metres and a 100 metre spacing. The drill holes will be established on drill pads 5 metres in length and width.</p> <p>A total of 8400 metres of access tracks with a ten metre width will be created to support the drilling programme. Forty-two sumps 1 m<sup>3</sup> in size will also be established to support the drilling programme.</p> <p>The project occurs within cleared pine plantation – with minor potential for native vegetation re-growth. The clearing required to support this application has been approved by Native Vegetation Clearing Permit 6617/1 – granted on 6 August 2015.</p> <p>Total amount of clearing approved under Clearing Permit 6617/1 is 10 hectares.</p>
Timeframe in which the proposal is to occur (including start and finish dates where applicable).	The proponent has nominated a timeframe of 14 September 2015 to 31 December 2015.
Details of any staging of the proposal.	This project represents the feasibility stage of the project.
What is the current land use on the property, and the extent (area in hectares) of the property?	<p>The tenements in question occur within State Forest 65 which was previously utilised as a pine plantation (<i>Pinus pinaster</i>), however a review of the area using aerial photography has determined that this area has been cleared of pine trees.</p> <p>Tenement M70/1248 covers an area of 175 hectares and M70/1250 covers an area of 294 hectares.</p>
<p>Have pre-referral discussions taken place with the OEPA?</p> <p>If yes, please provide the case number. If a case number was not provided, please state the date of</p>	The PoW was previously referred to the EPA for liaison on 26 August 2015. The EPA advised on 7 September 2015 that formal referral to the EPA was required since the application area occurred within



<b>Proponent and/or DMA to complete</b>	
the meeting and names of attendees.	the Gnamara Environmental Protection Policy area.  The PoW application was identified using its Registration ID; 54935.
<b>DMA (Responsible Authority) to complete</b>	
For a proposal under an assessed scheme (as defined in <a href="#">section 3 of the EP Act</a> , applicable only to the proponent and DMA) provide details (in an attachment) as to whether: <ul style="list-style-type: none"> <li><i>The environmental issues raised by the proposal were assessed in any assessment of the assessed scheme.</i></li> <li><i>The proposal complies with the assessed scheme and any environmental conditions in the assessed scheme.</i></li> </ul>	N/A – this proposal relates to mineral exploration activities.

### 1.3 Strategic / derived proposals

*Complete this section if the proposal being referred is a strategic proposal or you are seeking the proposal to be declared a derived proposal. Note: Only a proponent may refer a strategic proposal and seek a proposal to be declared a derived proposal.*

<b>Proponent to complete</b>	
Is this referred proposal a strategic proposal?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are you seeking that this proposal be declared a derived proposal?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If you are seeking that this proposal be declared a derived proposal, what is the Ministerial Statement number (MS #) of the associated strategic proposal?	MS #: _____

## 1.4 Location

Proponents and DMAs must provide spatial data. Please refer to [EAG 1](#) for more detail. The latest spatial data **must** be provided with the referral, displaying the current condition of the proposal area.

Proponent, DMA and Third Party to complete	
Name of the Local Government Authority in which the proposal is located.	City of Wanneroo
Location: a) street address; lot number; suburb; and nearest road intersection; or b) if remote the nearest town; and distance and direction from that town to the proposal site.	M70/1248 and M70/1250.
Have maps and figures been included with the referral (consistent with <a href="#">EAG 1</a> where appropriate)? <i>The types of maps and figures which need to be provided (depending on the nature of the proposal) include:</i> <ul style="list-style-type: none"> <li>maps showing the regional location and context of the proposal; and</li> <li>figures illustrating the proposal elements.</li> </ul>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Proponent and DMA to complete	
Have electronic copies of spatial data been included with the referral? <b>NB:</b> <i>Electronic spatial (GIS or CAD) data, geo-referenced and conforming to the following parameters:</i> <ul style="list-style-type: none"> <li>GIS: polygons representing all activities and named;</li> <li>CAD: simple closed polygons representing all activities and named;</li> <li>datum: GDA94;</li> <li>projection: Geographic (latitude/longitude) or Map Grid of Australia (MGA);</li> <li>format: ESRI geodatabase or shapefile, MapInfo Interchange Format, Microstation or AutoCAD..</li> </ul>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

## 1.5 Significance test and environmental factors

Proponent, DMA and Third Party to complete	
What are the likely significant environmental factors for this proposal?  <i>Note: The proponent believes this environmental factor is unlikely to be impacted significantly, however information is provided on this factor given the project is located in a Public Drinking Water Source Area, which is considered to be a sensitive groundwater receiving environment and is listed within Environmental Protection (Gnangara Mound Crown Land) Policy (1992).</i>	<input type="checkbox"/> Benthic Communities and Habitat <input type="checkbox"/> Coastal Processes <input type="checkbox"/> Marine Environmental Quality <input type="checkbox"/> Marine Fauna <input type="checkbox"/> Flora and Vegetation <input type="checkbox"/> Landforms <input type="checkbox"/> Subterranean Fauna <input type="checkbox"/> Terrestrial Environmental Quality <input type="checkbox"/> Terrestrial Fauna <input type="checkbox"/> Hydrological Processes <input checked="" type="checkbox"/> Inland Waters Environmental Quality

Proponent, DMA and Third Party to complete	
	<input type="checkbox"/> Air Quality & Atmospheric Gases <input type="checkbox"/> Amenity <input type="checkbox"/> Heritage <input type="checkbox"/> Human Health <input type="checkbox"/> Offsets <input type="checkbox"/> Rehabilitation and Decommissioning
Having regard to the Significance Test (refer to Section 7 of the <i>EIA Administrative Procedures 2012</i> ) in what ways do you consider the proposal may have a significant effect on the environment and warrant referral to the EPA?	This project is unlikely to have a significant effect on the environment. It is in cleared pine plantation with limited potential for native vegetation re-growth. A recent flora survey (EnviroWorks Consulting, 2015 – Attachment 1) didn't identify significant flora or vegetation and found the area to have limited fauna habitat value. Whilst the exploration is located within Public Drinking Water Source Area, impacts to surface or groundwater are highly unlikely given mitigation measures proposed (refer to Part B of this referral).

## 1.6 Confidential information

All information will be made publically available unless authorised for exemption under the EP Act or subject to the Freedom of Information Act 1992.

Proponent to complete	
Does the proponent request that the EPA treat any part of the referral information as confidential?  <i>Ensure all confidential information is provided in a separate attachment in hard copy.</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## 2 REGULATORY CONSIDERATIONS

This section applies to the Local, State and Commonwealth regulatory considerations for the referred proposal.

### 2.1 Government approvals

#### 2.1.1 State or Local Government approvals

DMA to complete	
What approval(s) is (are) required from you as a decision-making authority?	Issuance of a Programme of Works Approval in accordance with the <i>Mining Act 1978</i> for the proposed drilling programme.
Is rezoning of any land required before the proposal can be implemented? If yes, please provide details.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## 2.1.2 Regulation of aspects of the proposal

Complete the following to the extent possible.

Proponent to complete	
<p>Do you have legal access required for the implementation of all aspects of the proposal?</p> <p><i>If yes, provide details of legal access authorisations / agreements / tenure.</i></p> <p><i>If no, what authorisations / agreements / tenure is required and from whom?</i></p>	<p><input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No</p> <p>The following mining tenements have been granted and are held by Holcim to allow access for the drilling program - M70/1248 and M70/1250 (refer to Figure 1)</p>

Outline both the existing approvals and approvals that will be / are being sought as a part of this proposal.

Proponent to complete			
Aspects* of the proposal	Type of approval	Legislation regulating this activity	Which State agency /entity regulate this activity?
<b>Clearing</b>	<b>Native Vegetation Clearing Permit – Permit No 6617/1 Granted</b>	<b>EP Act 1986 – Part V</b>	<b>DER / DMP</b>

\*e.g. mining, processing, dredging

## 2.1.3 Commonwealth Government Environment Protection and Biodiversity Conservation Act 1999 approvals

Refer to the [assessment bilateral agreement](#) between the Commonwealth of Australia and the State of Western Australia for assistance on this section.

Proponent to complete	
1. Does the proposal involve an action that may be or is a controlled action under the <i>Environment Protection and Biodiversity Conservation Act 1999</i> (EPBC Act)?	<p><input type="checkbox"/> Yes   <input checked="" type="checkbox"/> No</p> <p><i>If no continue to Part A section 2.1.4.</i></p>
2. What is the status of the decision on whether or not the action is a controlled action?	<p><input type="checkbox"/> Proposal not yet referred</p> <p><input type="checkbox"/> Proposal referred, awaiting decision</p> <p><input type="checkbox"/> Assessed – controlled action</p> <p><input type="checkbox"/> Assessed – not a controlled action</p>
3. If the action has been referred, when was it referred and what is the reference number (Ref #)?	<p>Date: _____</p> <p>Ref #: _____</p>

<b>Proponent to complete</b>	
4. If the action has been assessed, provide the decision in an attachment. Has an attachment been provided?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. Do you request this proposal to be assessed under the bilateral agreement?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Complete the following to the extent possible for the Public Comment of EPBC Act referral documentation.

<b>Proponent to complete</b>	
6. Have you invited the public to comment on your referral documentation?	<input type="checkbox"/> Yes <input type="checkbox"/> No
7. How was the invitation published?	<input type="checkbox"/> newspaper <input type="checkbox"/> website
8. Did the invitation include all of the following?	
(a) brief description of the action	<input type="checkbox"/> Yes <input type="checkbox"/> No
(b) the name of the action	<input type="checkbox"/> Yes <input type="checkbox"/> No
(c) the name of the proponent	<input type="checkbox"/> Yes <input type="checkbox"/> No
(d) the location of the action	<input type="checkbox"/> Yes <input type="checkbox"/> No
(e) the matters of national environmental significance that will be or are likely to be significantly impacted	<input type="checkbox"/> Yes <input type="checkbox"/> No
(f) how the relevant documents may be obtained	<input type="checkbox"/> Yes <input type="checkbox"/> No
(g) the deadline for public comments	<input type="checkbox"/> Yes <input type="checkbox"/> No
(h) available for public comment for 14 calendar days	<input type="checkbox"/> Yes <input type="checkbox"/> No
(i) the likely impacts on matters of national environmental significance	<input type="checkbox"/> Yes <input type="checkbox"/> No
(j) any feasible alternatives to the proposed action	<input type="checkbox"/> Yes <input type="checkbox"/> No
(k) possible mitigation measures	<input type="checkbox"/> Yes <input type="checkbox"/> No
9. Were any submissions received during the public comment period?	<input type="checkbox"/> Yes <input type="checkbox"/> No
10. Have public submissions been addressed? If yes provide attachment.	<input type="checkbox"/> Yes <input type="checkbox"/> No

## 2.1.4 Other Commonwealth Government Approvals

Proponent, DMA and Third Party to complete			
Is approval required from other Commonwealth Government/s for any part of the proposal?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If yes, please complete the table below.</i>	
Agency / Authority	Approval required	Application lodged?	Agency / Local Authority contact(s) for proposal
		<input type="checkbox"/> Yes <input type="checkbox"/> No	
		<input type="checkbox"/> Yes <input type="checkbox"/> No	

## 3. SUPPORTING INFORMATION

Please attach copies of any relevant information on the proposal, supporting evidence and / or existing environmental surveys, studies or monitoring information undertaken and list the documents below.

Proponent, DMA and Third Party to complete			
(1)	<i>Flora Survey and Fauna Habitat Assessment Proposed Sand Quarry Jandabup</i>	<i>EnviroWorks Consulting (2015)</i>	<i>Flora and Fauna Habitat Survey Report</i>
(2)			
(3)			

## PART B: ENVIRONMENTAL FACTORS

The purpose of Part B is to assist the EPA to determine the significance of the likely environmental impacts of the proposal in accordance with the EPA's *Environmental Assessment Guideline for Environmental factors and objectives* (EAG 8) and *Environmental Assessment Guideline for Application of a significant framework in the EIA process* (EAG 9). Referrers completing Part B should refer closely to EAG 8 and EAG 9.

The EPA has prepared [Referral of a Proposal under s38 of the EP Act EAG No.16 - Appendix A](#) (Appendix A) to assist in identifying factors and completing the below table. Further guidance can be found in the guidance and policy documents cited in Appendix A under each factor.

### **How to complete Part B**

For each environmental factor, that is likely to be significantly impacted by the implementation of the proposal, make a copy of the table below and insert a summary of the relevant information relating to the proposal. The table can be broken down into more than one table per factor, if the need arises. For example the hydrological processes factor can be presented in two separate tables, one for surface water and one for groundwater, or similarly one for construction and one for operations.

For complex proposals a supplementary referral report can be provided in addition to the referral form. If this option is chosen the table must still be completed (summaries are acceptable) to assist the Office of the EPA with statistical reporting and filtering proposals for processing.

Proponents expecting an API level of assessment must provide information in accordance with the EPA's *Environmental Assessment Guideline for Preparation of an API-A environmental review document* (EAG 14).

For each of the significant environmental factors, complete the following table (Questions 1 – 10).

<b>Proponent to complete. DMA and Third Party to complete to the best of their knowledge.</b>		
1	Factor, as defined in <a href="#">EAG 8</a>	Inland Waters Environmental Quality
2	EPA Objective, as defined in <a href="#">EAG 8</a>	To maintain the quality of groundwater and surface water, sediment and biota so that the environmental values, both ecological and social, are protected.
3	Guidance - what established policies, guidelines, and standards apply to this factor in relation to the proposal?	<ul style="list-style-type: none"> <li>• Environmental Protection (Gnangara Mound Crown Land) Policy (1992)</li> <li>• Administrative agreement between DMP and DoW, for mineral exploration and mining operations in water resource areas of WA (2012)</li> <li>• Guidelines for the Protection of Surface and Groundwater Resources During Exploration Drilling (DMP, 2002)</li> <li>• Water Quality Protection Note 25, Land use compatibility in Public Drinking Water Source Areas (DoW, 2004)</li> <li>• Water Quality Protection Note 36, Protecting public drinking water source areas (DoW, 2009)</li> <li>• State Policy No. 1, Policy and Guidelines for Construction and Silica Sand Mining in Public Drinking Water Source Areas (DoW, 2004) – <a href="#">this policy is relevant to mining, not exploration, but is listed here for information</a></li> <li>• Exploration/Mining Tenement Conditions</li> </ul>

Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
		<ul style="list-style-type: none"> <li>• DMP Program of Works Conditions</li> </ul>
4	<p>Consultation - outline the need for consultation and the outcomes of any consultation in relation to the potential environmental impacts, including:</p> <ul style="list-style-type: none"> <li>• <i>anticipated level of public interest in the impact;</i></li> <li>• <i>consultation with regulatory agencies; and</i></li> <li>• <i>consultation with community.</i></li> </ul>	<p>Holcim is currently in the process of consulting with the DoW on this project, given it is proposed to be located in a Public Drinking Water Source Area (PDWSA). Holcim will ensure all DoW requirements for this project are met.</p> <p>In addition, under Schedule 2 of the “Administrative agreement between DMP and DoW, for mineral exploration and mining operations in water resource areas of WA (2012)”, the DoW requirements for exploration within PDWSA’s have been clearly specified. Holcim will ensure that it meets the requirements within this administrative agreement, as regulated by DMP, in consultation with DoW.</p> <p>It should be noted that under “Water Quality Protection Note 25, Land use compatibility in Public Drinking Water Source Areas (DoW, 2004)” in relation to PDWSA’s, mineral and energy exploration and extractive industries are considered “compatible with conditions”.</p> <p>It is unlikely there will be a significant level of public interest in the impact of this project, given it involves very minor disturbance and is low risk. Therefore consultation with the community is considered unlikely to be required for this exploration project.</p>
5	<p>Baseline information - describe the relevant characteristics of the receiving environment.</p> <p><i>This may include: regional context; known environmental values, current quality, sensitivity to impact, and current level of cumulative impacts.</i></p>	<p>The project is located within a Public Drinking Water Source Area (PDWSA) known as the Gnangara Underground Water Pollution Control Area</p> <p>The Gnangara groundwater mound is a superficial aquifer which is recharged by rainwater. It is significant to Perth in terms of size and public water supply. At present it supplies up to 60% of Perth’s drinking water as well as supplying irrigation for horticulture and agriculture, and for public open space and garden bores.</p> <p>Regional groundwater levels in the superficial aquifer are a smoothed replica of the topography of the area. The water level forms a mound at the highest part of the area which discharges eastward and southward into the Swan River, northward toward Gingin River and westward to the ocean. At low points in the landscape, the water table frequently intersects the land surface to form lakes and swamps.</p>
6	<p>Impact assessment - describe the potential impact/s that may occur to the environmental factor as a result of implementing the proposal.</p>	<p>Potential impacts that could occur to water quality as a result of the project (if not adequately managed include):</p> <ul style="list-style-type: none"> <li>• Contamination of soil and groundwater with hydrocarbons or chemicals due to spills or leaks from the drill rig or support vehicles;</li> <li>• Contamination of soil and groundwater due to inappropriate storage of hydrocarbons or chemicals;</li> <li>• Contamination of the soil or groundwater due to inappropriately disposed waste;</li> </ul>



Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
		<ul style="list-style-type: none"> <li>Contamination of the groundwater due to inappropriately capped/decommissioned drill holes; and/or</li> <li>Contamination of the groundwater due to the drilling process if it involved the use of chemical/hydrocarbon drilling fluids as part of the drill hole construction.</li> </ul>
7	<p>Mitigation measures - what measures are proposed to mitigate the potential environmental impacts? The following should be addressed:</p> <ul style="list-style-type: none"> <li><i>Avoidance - avoiding the adverse environmental impact altogether;</i></li> <li><i>Minimisation - limiting the degree or magnitude of the adverse impact;</i></li> <li><i>Rehabilitate – restoring the maximum environmental value that is reasonably practicable; and</i></li> <li><i>Offsets – actions that provide environmental benefits to counterbalance significant residual environmental impacts or risks of a project or activity.</i></li> </ul>	<p>The following mitigation measures will be applied to this exploration program to mitigate impacts:</p> <ul style="list-style-type: none"> <li>A spill response procedure will be in place to ensure any spills from the drill rig or support vehicles (such as burst hydraulic hose) are immediately contained and cleaned up;</li> <li>All staff will be trained on the spill response procedure;</li> <li>Spill kits will be available at the drilling site;</li> <li>No hydrocarbons or chemicals will be stored on site;</li> <li>All waste will be removed from site;</li> <li>Drill holes will be appropriately decommissioned and capped; and</li> <li>Air core drilling does not require the addition of chemical or hydrocarbon fluids to construct the drill hole. Air core drilling and related methods use hardened steel or tungsten blades to bore a hole into unconsolidated ground. The drill bit has three blades arranged around the bit head, which cut the unconsolidated ground. The rods are hollow and contain an inner tube which sits inside the hollow outer rod barrel. The drill cuttings are removed by injection of compressed air into the hole via the annular area between the innertube and the drill rod. The cuttings are then blown back to surface up the inner tube where they pass through the sample separating system and are collected if needed.</li> </ul>

Proponent to complete. DMA and Third Party to complete to the best of their knowledge.		
8	<p>Residual impacts – review the residual impacts against the EPA objectives.</p> <p><i>It is understood that the extent of any significant residual impacts may be hard to quantify at the referral stage. Referrers are asked to provide, as far as practicable, a discussion on the likely residual impacts and form a conclusion on whether the EPA’s objective for this factor would be met if residual impacts remain. This will require:</i></p> <ul style="list-style-type: none"> <li>• <i>quantifying the predicted impacts (extent, duration, etc.) acknowledging any uncertainty in predictions;</i></li> <li>• <i>putting the impacts into a regional or local context, incorporating knowable cumulative impacts; and</i></li> <li>• <i>comparison against any established environmental policies, guidelines, and standards.</i></li> </ul>	<p>If the mitigation measures are implemented successfully, it is considered unlikely that there will be any residual impacts.</p>
9	<p>EPA’s Objective – from your perspective and based on your review, which option applies to the proposal in relation to this factor? Refer to <a href="#">EAG 9</a></p>	<p><input checked="" type="checkbox"/> <i>meets the EPA’s objective</i></p> <p><input type="checkbox"/> <i>may meet the EPA’s objective</i></p> <p><input type="checkbox"/> <i>is unlikely to meet the EPA’s objective</i></p>
10	<p>Describe any assumptions critical to your conclusion (in Question 9). e.g. <i>particular mitigation measures or regulatory conditions.</i></p>	<p>It is assumed mitigation measures are implemented successfully.</p>

*In circumstances where there was some uncertainty on the level of significance of a particular factor it is recommended that a brief summary (no longer than 1 - 2 paragraphs) is provided on the steps taken to determine why a factor was not considered to be significant.*