


Form

Referral of a proposal under s. 38 of the EP Act

PART A: PROPONENT AND REFERRER INFORMATION AND PROPOSAL DESCRIPTION			
Referrer information			
Who is referring this proposal?		<input checked="" type="checkbox"/> Proponent <input type="checkbox"/> Decision-making authority <input type="checkbox"/> Community member/third party	
Name (print) Stephen J Gauld <i>Name of the person or organisation referring</i>		Signature 	
Position	Managing Director and Founder	Organisation	Infinite Green Energy
Email	sjgauld@igeh2.com	Phone	M: + 61 04 9969 9153 T: + 61 08 6268 5000
Address	13/99	St Georges Terrace	
	Perth	WA	6000
Date	17 June 2022		
Does the referrer request that the EPA treat any part of the proposal information in the referral as confidential? <i>Provide confidential information in a separate attachment.</i>		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Does the referrer confirm that they consent to receive correspondence electronically?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Referral declaration for proponent and Authorised representative: I, Stephen J Gauld declare that I am authorised to refer this proposal on behalf of Infinite Blue Energy and further declare that the information contained in this form is true and not misleading. Date: 17/06/2022			
Proponent information			
Name of the proponent/s <i>Include Trading Name if relevant</i>		Infinite Green Energy Group	
Australian Business Number(s)	✓	80 628 842 464	
Pre-referral discussions			
Have you had pre-referral discussions with the EPA (including the EPA Services of DWER)?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<p><i>If so, provide name, date, and overview of discussions.</i></p>	<p>Six pre-referral meetings have been held with the EPA relating to this proposal.</p> <p>A pre-referral meeting was held on 03/09/2020 and five follow up meetings held:</p> <ul style="list-style-type: none"> * 4/02/2021; * 11/02/2021; * 10/03/2021; * 9/04/2021; and * 23/09/2021 <p>The EPA Service contacts are Leanne Thompson and Tonja Boyd.</p>
<p>Proposal information</p>	
<p>Proposal name</p>	<p>Arrowsmith Hydrogen Plant</p>
<p>What is the proposal? (Include general description in the Instructions and template: How to identify the content of a proposal)</p>	<p>Arrowsmith Hydrogen Plant is located 30 km south of Dongara (~300 km north of Perth). Hydrogen Production maximum Extent 23 to 42 tonnes per day by electrolysis using solar, wind energy and water. Hydrogen will be transported offsite by road as cryogenic liquid.</p>
<p>Have you provided electronic spatial data, maps, and figures in the appropriate format?</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>What type of proposal is being referred?</p> <p><i>For significant amendment or derived proposal, provide the associated existing Ministerial statement number/s</i></p> <p><i>For a proposal under an assessed planning scheme, provide the scheme number and name</i></p>	<p><input checked="" type="checkbox"/> significant proposal. <i>Choose which type of significant proposal</i></p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> new proposal <input type="checkbox"/> significant amendment (proposal only) <input type="checkbox"/> significant amendment (conditions only) <input type="checkbox"/> significant amendment (proposal and conditions) <input type="checkbox"/> strategic proposal <input type="checkbox"/> derived proposal <input type="checkbox"/> proposals of a prescribed class <input type="checkbox"/> proposal under an assessed planning scheme
<p>Proposal content: Complete the corresponding template (Proposal Content Document) from the Instructions and template: How to identify the content of a proposal for the type of proposal identified above. The completed form must be submitted with the referral. (refer to attachment 2)</p>	

<p>Alternatives</p>	<p>Please refer to Section 3.3 of the Referral supporting document (ARW-ENV-ADM-IGE-0001-Rev 3). In this section we discuss alternatives</p> <p>A number of alternative locations in the mid-west were evaluated and found to be unsuitable.</p> <p>The current location was selected as the preferred option due to the following:</p> <ul style="list-style-type: none"> ○ Proximity to the coast ○ Abundance of high-quality wind and solar resources ○ Sufficient land area to allow commercial quantities of green hydrogen to be produced ○ Proximity to major road infrastructure ○ Proximity to rail infrastructure ○ Proximity to fibre optic communications ○ Proximity to gas infrastructure ○ Lower quality agricultural land ○ Sufficient water resources <p>Following site selection, site design and layout has considered consultation with stakeholders and outcomes of environmental surveys to avoid and minimise impacts to environmental factors.</p>
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PART B: ASSESSMENT OF ENVIRONMENTAL IMPACTS	
Environmental factors	
<p>What are the likely significant environmental factors for this proposal?</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Benthic Communities and Habitat <input type="checkbox"/> Coastal Processes <input type="checkbox"/> Marine Environmental Quality <input type="checkbox"/> Marine Fauna ✓ Flora and Vegetation <input type="checkbox"/> Landforms <input type="checkbox"/> Subterranean Fauna <input type="checkbox"/> Terrestrial Environmental Quality ✓ Terrestrial Fauna ✓ Inland Waters <input type="checkbox"/> Air Quality <input type="checkbox"/> Greenhouse Gas Emissions ✓ Social Surroundings <input type="checkbox"/> Human Health
<p>For each of the environmental factors identified above, complete the following table, or provide the information in a supplementary report:</p> <p>Please refer to the “AHP1 Section 38 Referral Supporting Documentation”. See summary of sections for each defined Environmental factor below:</p> <ul style="list-style-type: none"> • Flora and Vegetation - Section 7.1. • Terrestrial Fauna – Section 7.2. • Inland waters – Section 7.3. 	

- Social surroundings – Section 7.4.
- Assessment against other Environmental factors – Section 7.5

Potential environmental impacts – for each environmental factor

1	EPA policy and guidance	As above, please refer to the defined sections within the “AHP1 Section 38 Referral Supporting Documentation”.
2	Receiving environment	
3	Likely environmental impacts	
4	Application of the mitigation hierarchy	
5	Assessment and significance of residual impacts	
6	Likely environmental outcomes	

Holistic impact assessment

Outline the holistic impact assessment for the Proposal. – Refer to Section 10 of the “AHP1 Section 38 Referral Supporting Documentation”.

Cumulative environmental impact assessment

Outline the relevant cumulative environmental impacts of the Proposal (based on scoping). Please refer to the “potential impacts sections” in the “AHP1 Section 38 Referral Supporting Documentation”. See summary of sections for each defined Environmental factor below:

- Flora and Vegetation - Section 7.1.
- Terrestrial Fauna – Section 7.2.
- Inland waters – Section 7.3.
- Social surroundings – Section 7.4.

Assessment against other Environmental factors – Section 7.5

Consultation

Outline the outcomes of consultation on the Proposal and its likely environmental effects. Refer to Table 8

Supporting documents

IBE Section 38 Referral document REV 3
 IBE Construction Environment Plan REV 3
 IBE Rehabilitation Plan REV 3
 IBE Weed and Dieback Hygiene Management Plan REV 3
 IBE Vegetation Management Plan REV 3
 IBE Fauna Management Plan REV 3

6 documents – list of reviewed documents

Has the referrer provided survey information according to the Instructions and Form: IBSA Data Packages and/or the Instructions and form: IMSA Data Packages	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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Conclusion

Do you consider the proposal may have a significant effect on the environment?

The proposal has the potential for limited impacts on several environmental factors, with community interest focussed on the positive impact on the wider environment and local employment. IBE considers the immediate, local environmental impacts to be both minimal and manageable, with a net benefit to the wider environment by enabling greenhouse gas emissions reductions in the transport sector.

Refer to the “AHP1 Section 38 Referral Supporting Documentation” for additional information.

PART B: ASSESSMENT OF ENVIRONMENTAL IMPACTS FOR SIGNIFICANT AMENDMENTS ONLY

Type of significant amendment	<input type="checkbox"/> significant amendment to the approved proposal <input type="checkbox"/> significant amendment to the implementation conditions <input type="checkbox"/> significant amendment to both the proposal and the implementation conditions N/A
Information of the approved proposal	N/A
Combined effects of the approved proposal and significant amendment	N/A
Analysis of existing implementation conditions	N/A
Previous changes to the Proposal and or implementation conditions	N/A
Compliance	N/A
Environmental Performance	N/A
Control of implementation of significant amendment	N/A

PART B: ASSESSMENT OF ENVIRONMENTAL IMPACTS FOR A PROPOSAL UNDER AN ASSESSED SCHEME ONLY

What new environmental issues are raised by the proposal that were not assessed during the assessment of the planning scheme?	N/A
How does the proposal not comply with the assessed scheme and/or the environmental conditions in the assessed planning scheme?	N/A

PART B: ASSESSMENT OF ENVIRONMENTAL IMPACTS FOR DERIVED PROPOSALS ONLY

Demonstrate how the proposal will meet the environmental outcomes defined through the assessment of the strategic proposal	N/A
Provide an analysis of the existing implementation conditions of the related strategic proposal in relation to the derived proposal	N/A

PART C: OTHER APPROVALS AND REGULATION

Decision-making authorities and their approvals

Provide a table list of the decision-making authorities, associated legislation or agreement regulating the activity and the specific approval required. (Example table at the end of form)	Please refer to Table 1 below for summary of additional approvals required.
Provide a summary of the statutory decision-making processes you consider can mitigate the potential impacts of the proposal on the environment. (Note: this should be a summary of the information provided in Part B section 2.4).	Please refer to the “AHP1 Section 38 Referral Supporting Documentation” for description of mitigation measures to be undertaken to mitigate potential impacts on the Environment.

Tenure and Local Government approvals

Location of proposal: 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.	Location of proposal: IBE owned freehold Lots 3, 4, 100 and 6110 in Arrowsmith, 30 km south of Dongara, within the Shire of Irwin, Western Australia (WA)
Name of the Local Government Authority in which the proposal is located.	Shire of Irwin
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
What is the current land use on the property, and the extent (area in hectares) of the property?	Land use in the surrounding area is dominated by agriculture (cropping and grazing). Several oil and gas production facilities operate in the region as well as mineral sand mining near Eneabba and Coolijaroo , numerous sand mines and gravel quarries.
Does the proponent have the legal access required for the implementation of all aspects of the proposal?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

<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>IBE own the location - the freehold Lots 3, 4, 100 and 6110 in Arrowsmith, 30 km south of Dongara, within the Shire of Irwin, Western Australia (WA)</p>
<p>Commonwealth Government approvals</p>	
<p>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>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>No significant impacts on MNES have been identified for this proposal and it has not been referred to the Commonwealth Department of Agriculture, Water and Environment (DAWE) under the EPBC Act. This includes advice IBE has received on potential indirect impacts to Critical Black Cockatoo (CBC) habitat. CBC habitat has been avoided as part of this proposal.</p>
<p>Has the proposed action been referred? If yes, when was it referred and what is the reference number (EPBC No.)?</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Date: _____</p> <p>EPBC No.: _____</p>
<p>If referred, has a decision been made on whether the proposed action is a controlled action? If 'yes', check the appropriate box and provide the decision in an attachment.</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Decision – controlled action</p> <p><input type="checkbox"/> Decision – not a controlled action</p> <p>N/A</p>
<p>If the proposal is determined to be a controlled action, do you request that this proposal be assessed under a Bilateral Agreement or as an accredited assessment?</p>	<p><input type="checkbox"/> Yes - Bilateral <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes – Accredited</p> <p>N/A</p>
<p>Is approval required from other Commonwealth Government/s for any part of the proposal? <i>If yes, describe.</i></p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Approval:</p>
<p>Decision-making authority referrals <u>ONLY</u></p>	
<p>What approval/s, under your authority, are required for this proposal? <i>Please provide details.</i></p>	<p>Refer to Table 1 below "Relevant legislation and other approvals"</p>

Table 1: Relevant legislation and other approvals

Proposal activities	Type of approval	Legislation regulating the activity	Government Department/agency
Groundwater abstraction	26D Licence to construct a bore 5C Licence to take water for groundwater abstraction	<i>Rights in Water and Irrigation Act 1914 (WA)</i>	DWER
If the proposal cannot avoid disturbance of Aboriginal heritage site/s	Section 18 consent to disturb and Aboriginal heritage site	<i>Aboriginal Heritage Act 1972 (WA)</i>	Department of Planning Lands and Heritage
Construction works including concrete batching, depending on amounts, may trigger the requirement for a Works Approval	Works Approval to construct and Licence to Operate a Prescribed Premise as the project falls within a category 31 under Schedule 1 (Licence) of the Environmental Protection Regulations.	<i>EP Act Part V and Environmental Protection Regulations 1987 (WA)</i>	DWER
Planning Approval / Construction of the project	Development Approval and Building Permit will be required for building of the project infrastructure	<i>Planning and Development Act 2005 Building Act 2011 (WA) Local Government Act 1995 (WA)</i>	Shire of Irwin/Joint Development Assessment Panel
Storage of Dangerous Goods	Dangerous Goods Storage Licence Major Hazard Facility Safety Management System if Schedule 1 materials stored over threshold volume (Hydrogen >50 t)	<i>Dangerous Goods Safety Act 2004 (WA) Dangerous Goods Safety (Storage and Handling of Non-explosives) Regulations 2007 (WA)</i>	DMIRS
Sewage treatment plant	Health Department approval If sewage treatment facility >540 L per day	<i>Health Act 1911 (WA)</i>	Department of Health