

Form

Request to amend a proposal during assessment under s 43A of the EP Act

Part A: Proponent information and proposal description			
1. Proponent information			
Name of the proponent/s (including Trading Name if relevant)		Woodside Energy Ltd (Woodside) on behalf of the Browse Joint Venture.	
Australian Company Number(s) <input type="checkbox"/> OR Australian Business Number(s) <input checked="" type="checkbox"/>		63 005 482 986	
Who is requesting a proposal amendment?		<input checked="" type="checkbox"/> Proponent <input type="checkbox"/> Authorised representative (an authorisation from the proponent should be provided).	
Name (print) Kimberly Walpot		Signature:	
Position	Vice President, Browse	Organisation	Woodside Energy
Email		Phone	
Address	11 Mount Street		
	Perth	WA	6000
Date	10 March 2025		
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	
Declaration for proponent and Authorised representative: I, Kimberly Walpot, of Woodside Energy Ltd, declare that I am authorised to refer this request on behalf of the proponent, and further declare that the information contained in this form is true and not misleading. Date: 10/03.2025			
Provide contact details for purposes of the assessment, if different from the above. <i>Include: name, physical address, phone, email.</i>			
2. Pre-request discussions			

<p>Have you had pre-referral discussions with the EPA (including the EPA Services of DWER)?</p> <p><i>If so, provide name, date, and overview of discussions.</i></p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>9 December 2024, [REDACTED] and [REDACTED] : discussed forward plan and EPA expectations that proponent provide a revision to the Browse to NWS Proposal Content Document through a S43A application to incorporate recent proposal updates.</p> <p>Follow up meeting on 22 January 2025 to discuss changes to be included in the S43A application.</p>
<p>3. Proposal information</p>	
<p>Title of the proposal</p>	<p>Proposed Browse to NWS Development (State component)</p>
<p>Description of the proposed amendment/s</p>	<ol style="list-style-type: none"> 1. Reduce the area for the Browse to NWS Project (State waters) development envelope from 1,220 km² to 78 km². 2. Provide an updated location for the 'TRD' drill centre. 3. Reflect Woodside's commitment to utilise dual pyrotechnic shear rams during drilling of Torosa wells. 4. Reflect that Torosa wells will be drilled by mobile offshore drilling units (MODUs) that are moored while drilling. 5. Remove the activity to conduct planned MODU flaring operations at Torosa at night time.
<p>Proposal content document</p>	<p>Refer to Attachment B, which includes the proposed amendments and the revised maximum extent, capacity or range with the amendments included.</p>
<p>Have you provided electronic spatial data, maps, and figures in the appropriate format of the referred proposal before any change request?</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>Part B: Assessment of amendments</p>	
<p>1. Reasons and content for the proposed amendment</p>	
<p>Reasons for the proposed amendment/s</p>	<p>These amendments are proposed to further reduce the risk or potential impact to Scott Reef and surrounds, pygmy blue whales and green turtles.</p> <ol style="list-style-type: none"> 1. Reduce the area for the Browse to NWS Project (State Waters) development envelope (DE): Proposed update to the DE to align to current physical infrastructure locations, inclusive of relevant buffer areas for construction support activities.

	<p>Areas of Scott Reef above the 75m depth contour are outside of the DE.</p> <ol style="list-style-type: none"> 2. Provide an updated location for the 'TRD' drill centre: Proposed update to further reduce the potential impacts of MODU and vessel operational lighting on nesting or hatching turtles. 3. The use of dual pyrotechnic shear rams for well control during drilling of Torosa wells: Proposed update to further reduce the likelihood of a loss of containment event occurring, and to provide enhanced capability to immediately stop the flow of hydrocarbons to the environment in the highly unlikely event of a well loss of containment occurring. 4. Torosa wells will be drilled by MODUs that are moored while drilling: Proposed update to reduce the impact of underwater noise from drilling activities on marine fauna. 5. Remove the activity to conduct planned MODU flaring operations at Torosa at night time: Proposed update to further reduce impact on green turtles and birds inhabiting Scott Reef and Sandy Islet.
Describe the content of the proposed amendment/s to the proposal	<ol style="list-style-type: none"> 1. Reduce the area for the Browse to NWS Project (State waters) development envelope: change to the maximum extent, capacity or range of the Proposal. 2. Provide an updated location for the 'TRD' drill centre: change to the 'maximum extent, capacity or range' of the petroleum production wells (physical elements and construction element). 3. Use of dual pyrotechnic shear rams: change to the activity description for development drilling of Torosa wells (construction element) to add a well control technique. 4. Torosa wells will be drilled by MODUs that are moored while drilling: include additional restrictions on the 'maximum extent, capacity or range' for the use of MODU mooring systems during drilling (construction elements). 5. Remove the activity to conduct planned MODU flaring at Torosa at night time: change to the maximum extent, capacity or range for the construction element 'light emissions – flaring'.

Provide a consolidated updated proposal content document	Refer to Attachment 2, which is a consolidated updated Proposal Content Document.
Alternatives to the proposed amendment/s	The alternatives would be to not make the proposed amendments to the Proposal Content Document. However, these amendments are being proposed as they further reduce the environmental impacts and risks associated with the Proposal.
2. Regulatory information	
Level of assessment	Public Environmental Review
Assessment details	Assessment Number: 2191 Region: Kimberley Referred under EP Act: S38 Industry Sector: Oil and gas There are no changes to the assessment form, content or indicative timing.
Status of assessment	Current Status: Stage 3 (assessment) Last assessment step: Response to submission published Last updated: 27 November 2023
Changes to decision-making authorities or processes	These amendments do not trigger a change to decision-making authorities or processes.
Identify if changes to assessment procedures are required	These amendments do not trigger a change to the assessment procedures.
3. Identification of environmental factors and environmental effects	
Environmental factors	Benthic Communities and Habitats Marine Environmental Quality Marine Fauna
Environmental effects	<p>The amendments are being proposed to further reduce the potential environmental effects on each of the factors identified.</p> <ol style="list-style-type: none"> 1. Reduce the Browse to NSW Project (State waters) development envelope: Removes key benthic habitats (e.g. coral reef) from within the Development Envelope. Impacts to Marine Environment Quality restricted only to deep benthic habits with no impact to benthic primary producers habitats. 2. Provide an updated location for the 'TRD' drill centre: all construction activities are a further ~900m from Sandy Islet. This further reduces the potential for impacts of MODU and vessel operational lighting on nesting or hatching turtles. 3. Use of dual pyrotechnic shear rams during drilling of Torosa wells: to further reduce the likelihood of a loss of containment

	<p>event occurring, and to immediately stop the flow of hydrocarbons to the environment in the highly unlikely event of a well loss of containment occurring. This further reduces the risk to Scott Reef and the surrounding environment (Benthic Communities and Habitats)</p> <p>4. Torosa wells drilled by MODUs that are moored while drilling: this means that less noise will be generated from the MODU during drilling activities, reducing the radius for behavioural disturbance of whales from 4.5 km to 0.5 km during drilling.</p> <p>5. Remove the activity to conduct planned MODU flaring at Torosa at night time: This change eliminates all planned flaring activities from within State Waters. The only lighting impact from activities within State Waters are from vessels.</p>
Mitigation hierarchy	Not applicable. These amendments are not expected to introduce or increase environmental impacts and therefore no further mitigation is required.
Residual Impacts	The proposed amendments are expected to reduce residual environmental impacts.
Specify if additional information is required	No additional information is required, beyond what has been provided to date.
4. Consultation	
Consultation undertaken	The proposed changes reflect feedback received on the proposal during public consultation periods
Outcomes of consultation	Changes reflect general themes of feedback received on the Proposal, regarding concerns of planned and unplanned impacts to the marine environment. Each of the proposal changes seeks to respond to this feedback.
Part C: Additional information	
1. Additional surveys, investigations and other information	
Discuss and provide additional information that has been obtained	<p>The following attachments support the assessment that the proposed amendments reduce the impacts to the relevant environmental factors:</p> <ul style="list-style-type: none"> Attachment C: Independent Review of Well Blowout Risk Management at Torosa. Prepared by Colin Stuart and John Wright. September 2024.. This supports Woodside's commitment to implement

	<p>best practice spill risk mitigation for Torosa noting its proximity to Scott Reef.</p> <ul style="list-style-type: none"> Attachment D: Acoustic Modelling – Woodside Browse to NWS Vessel Noise. Prepared by Jasco Applied Sciences, July 2022. This demonstrates that the extent of underwater noise generated from drilling activities is significantly lower if the MODU is moored while drilling.
2. Discussion of significance	
Change to the significance of the residual impact/s	During the environmental impact assessment process for the Proposal, Woodside did not identify significant residual impacts to environment factors. The proposed amendments further reduce the potential for impacts to all identified environment factors.
Significant effect on the environment	During the environmental impact assessment process for the Proposal, Woodside did not identify any significant residual impacts to any single environment factor. These proposed amendments are expected to reduce the potential for adverse environmental effects and therefore do not introduce a significant effect on the environment.
Environmental outcomes	These proposed amendments reduce the potential for adverse environmental effects to the relevant environmental factors. These amendments further reduce the potential impacts to Scott Reef and the surrounding marine environment, marine turtles and pygmy blue whales so that activities can be managed to a level consistent with the relevant EP Act Principles and relevant EPA environmental factor objectives.
Character of the proposed amendment/s	The character of the proposed amendments will be substantially of the same character as the referred proposal.

Example Table: Other approvals

Decision-making authority. If DMA's are changing from the original referred proposal, please provide detail.	Legislation or Agreement regulating the activity	Approval required (and specify which proposal element the approval is related to)	Whether and how statutory decision-making process can mitigate impacts on the environment? (Yes/No and summary of reasons)